

Carte B – Infrastructures de Transport et Sites Existants, Prévus et Supplémentaires Map B – Existing, Planned and Additional Transport Infrastructure and Venues

SITES DE COMPÉTITION ET D'ENTRAÎNEMENT INFRASTRUCTURE DES TRANSPORTS COMPETITION AND TRAINING VENUES TRANSPORT INFRASTRUCTURE CEO - Salle 2 Sambódromo Autoroute – Voie Presidente João Goulart – Ligne Rouge OTC - Hall 2 Motorway – Via Presidente João Goulart – Red Lin Autoroute – Avenue Governador Carlos Lacerda – Ligne Jaune Motorway – Avenue Governador Carlos Lacerda – Yellow Line Parc de Flamengo Centre d'Entrainement du Village Olympique Olympic Village Training Centre Flamengo Park **49** CEO - Saile . OTC - Hall 3 Stade João Havelange João Havelange Stadium CEO - Salle 3 Autoroute – Avenue Brasil Motorway – Avenue Brasil Centre d'Entrainement du Village Olympique Centre d'Entrainement du Village Olympique Autoroute – Tunnel Rebouças/Voie Élevée Fressynet Motorway – Rebouças Tunnel/Fressynet Elevated Way Olympic Village Training Centre Olympic Village Training Cente CEO Athlétisme Autoroute – Voie Élevée Périphérique Centre Aquatique Maria Lenk 50 (T) OTC Track and Field Maria Lenk Aquatic Center Motorway – Perimetral Elevated Way Université Fédérale de Rio de Janeiro Centre d'Education Physique Autoroute – Voie Rapide Barra – Zone Sud Almirante Adalberto Nunes Almirante Adalberto Nunes Federal University of Rio de Janeiro Motorway — Barra-South Zone Expressway Université de l'Armée de l'Air Autoroute – Aterro/Avenue Flamengo Physical Education Center Air Force University Motorway – Aterro/Avenue Flamengo Lagoa Rodrigo de Freitas Lagoa Rodrigo de Freitas 52 Stade Aquatique Olympique Olympic Aquatics Stadium Artère Urbaine – Avenues des Plages de la Zone Sud (T) Major Urban Arterial – South Zone Beach Avenues Riocentro - Pavillon 4 Riocentro - Pavilion 4 Artère Urbaine – Avenue Presidente Vargas/Radiale Ouest Major Urban Arterial – Avenue Presidente Vargas/Radial Oeste Fort de Copacabana (T) ort Copacabana Centre d'Entrainement du Village Olympique Olympic Village Training Centre Artère Urbaine – Avenue Borges de Medeiros/Epitácio Pessoa Major Urban Arterial – Avenue Borges de Medeiros/Epitácio Pessoa CEO - Salle 1 10 Stade Aquatique Olympique Centre d'Entrainement du Village Olympique Artère Urbaine – Avenue das Américas (T) Olympic Village Training Center Maior Urban Arterial – Avenue das Américas Université Fédérale de Rio de Janeiro Federal University of Rio de Janeiro Université Fédérale de Rio de Janeiro Artère Urbaine – Avenue Duque de Caxias Federal University of Rio de Janeiro Major Urban Arteriel – Avenue Duque de Caxias Complexe Sportif Juliano Moreira Juliano Moreira Sports Complexe Parc de Pentathlon Moderne de Deodoro Deodoro Modern Pentathlon Park Réseau Ferroviaire de Banlieue – Ligne Japeri Suburban Rail – Japeri Line Riocentro - Pavillon 2 Centre Aquatique Maria Lenk Aéroport Domestique de Rio (T) 50 Maria Lenk Aquatic Cente Rio Domestic Airport Lagoa Rodrigo de Freitas Centre d'Éducation Physique Artère Urbaine - Avenue Aberlardo Bueno Almirante Adalberto Nunes Almirante Adalberto Nunes (T) Lagoa Rodrigo de Freitas Major Urban Arterial – Avenue Abelardo Bueno Stade Olympique des Eaux Vives Artère Urbaine – Avenue Salvador Allende (T) Physical Education Center Olympic Whitewater Stadium Major Urban Arterial – Avenue Salvador Allende Arène de Deodoro Deodoro Arena Artère Urbaine – Avenue Ayrton Senna Major Urban Arterial – Avenue Ayrton Senna Parc de Flamengo Flamengo Park Centre Olympique de BMX Olympic BMX Center Parc de Pentathlon Moderne de Deodoro Deodoro Modern Pentathlon Park Artère Urbaine – Liaisons au Stade Olympique Major Urban Arterial – Olympic Stadium Links (T) (T) Centre d'Entrainement du Village Olympique Centre Olympique de VTT Olympic Mountain Bike Center Métro – Métro Ligne 1 Subway – Metro Line 1 19 Olympic Village Training Centre Vélodrome Olympique de Rio Rio Olympic Velodrome CEO - Salle 2 Métro - Métro Ligne 2 48 OTC - Hall 2 Centre d'Évaluation de l'Armée Centre d'Entrainement du Village Olympique Réseau Ferroviaire de Banlieue – Ligne Deodoro Army Assessment Center Olympic Village Training Centre Suburban Rail - Deodoro Line Centre Olympique de Tennis Olympic Tennis Center Centre National Équestre Réseau Ferroviaire de Banlieue – Ligne Santa Cruz (T) National Equestrian Center Suburban Rail – Santa Cruz Line Arène de Deodoro Riocentro - Pavillon 3 Riocentro - Pavilion 3 Réseau Ferroviaire de Banlieue – Ligne Sacacuruna Suburban Rail – Sacacuruna Line (T) Deodoro Arena Stade Maracanã Centre National de Tir Réseau Ferroviaire de Banlieue – Ligne Belford Roxo (T) Complexe Sportif Juliano Moreira Sambódromo Aéroport International de Rio (T) Juliano Moreira Sports Complex Sambódromo Rio International Airport Club de Football Zico Fort de Copacabana Métro - Métro Ligne 1 (extension) Fort Copacabana Subway – Metro Line 1 (extension) Zico Football Club Club de Football Vasco Barra Vasco Barra Football Club Centre d'Entrainement du Village Olympique Olympic Village Training Centre BRT – Autoroute – Liaison C BRT – Motorway – Link C Arène Olympique de Rio Rio Olympic Arena Centre d'Évaluation de l'Armée BRT - Artère Urbaine - Couloir T5 Army Assessment Center BRT – Major Urban Arterial – T5 Corridor Marina da Glória Centre d'Entrainement du Village Olympique BRT - Autoroute - Barra-Zone Sud (T) Olympic Village Training Center BRT - Motorway - Barra-South Zone Stade de Copabacana Artère Urbaine – Voie 5 (T) Copacabana Stadium Major Urban Arterial - Via 5 Riocentro - Pavillon 6 Arène Maracanãzinho (T) Riocentro - Pavilion 6 Maracanãzinho Arena HÔTELS DE LA FAMILLE OLYMPIQUE GAMES FAMILY HOTELS Centre d'Entrainement du Village Olympique Olympic Village Training Centre CEO - Salle 4 OTC - Hall 4 A Caesar Park B Sol Ipanema Hotel Centre d'Entrainement du Village Olympique Olympic Village Training Center Complexe Sportif Juliano Moreira Juliano Moreira Sports Complex © Fasano Rio de Janeiro Sofitel Rio de Janeiro Copacabana École Municipale Sergio Buarque de Holanda Université Fédérale de Rio de Janeiro Sergio Buarque de Holanda Municipal School **■** Golden Tulip Regente Complexe Sportif Juliano Moreira École Municipale Carlos Caetano Miragaya **(F)** Windsor Miramar Palace Hotel Juliano Moreira Sports Complex Carlos Caetano Miragaya Municipal School **G** Rio Othon Palace Centre Olympique de Hockey École Municipale Silveira Sampaio H Pestana Rio Atlantica Hotel Olympic Hockey Center Silveira Sampaio Municipal School Windsor Excelsior Copacabana Hotel Centre de Hockey de Deodoro Deodoro Hockey Center Copacabana Palace Hotel





RIO DE JANEIRO 2016



RIO 2016: A SPORTING CELEBRATION

Rio 2016 will provide the best possible environment for peak performances. Athletes will enjoy world-class facilities, including a superb village, all located in one of the world's most beautiful cities, in a compact layout for maximum convenience.

Three key factors underpin the choice of venues: the athlete experience, the sport technical requirements and the legacy fit with the long-term plans of the city.

The result is that athletes will compete in world-class venues in some of the most celebrated locations in the world, including the famous Maracanã Stadium, Copacabana Beach and the Sambódromo – home of the annual *Carnaval* parade.

Competitors at Lagoa Rodrigo de Freitas will race in the shadow of one of the world's most iconic landmarks, the statue of Christ the Redeemer at Corcovado Mountain.

Road events will pass through beaches, lakes and many of Rio's stunning landscape features. Thousands of spectators will line the streets, engaging in the celebrations and inspiring the athletes.

Every sport will be presented to maximize its impact and inspiration.

The competition venues will be clustered in four zones – Barra, Copacabana, Deodoro and Maracanā – connected by a high performance transport ring for spectators and an Olympic Lanes network for accredited personnel.

Nearly half of all athletes will be able to reach their venues in less than 10 minutes and almost 75% will do so in less than 25 minutes.

Of the 34 competition venues, 18 are already operational of which eight will undergo some permanent works, seven will be totally temporary and nine are to be constructed as permanent legacy venues, each underpinned by solid business plans ensuring long-term sustainability. Six of the new venues will be constructed irrespective of the outcome of the 2016 bid.

The most significant legacy projects are the Olympic Training Center (OTC) programs and facilities. The OTC will be a major high performance competition and training center supporting and servicing the athletes of all Olympic and Paralympic disciplines, as well as supporting programs in its neighboring communities to stimulate sports participation and healthy lifestyle.

Athlete training will take place in competition venues and 29 additional training facilities that will provide post-Games benefits to local sports communities. Training facilities for eleven Olympic sports and eight Paralympic sports will be available within walking distance at the Olympic Village Training Center, directly adjacent to the Village.

The Olympic and Paralympic Village, located in the Barra Zone, will provide a secure and comfortable home for all athletes and team officials, including additional officials. The location, on the foreshore of Lake Jacarepaguá, with a backdrop of mountains, will afford views from every apartment over the lake towards some of Rio's finest beaches or to the Pedra Branca National Park.

Village residents will also benefit from several innovative features delivering a unique Village experience. A central pedestrian boulevard of cafes, shops and restaurants, connecting all parts of the Village, will replicate the outdoor lifestyle of Rio's beachside neighborhoods. A dedicated shuttle bus from the Transport Mall will deliver residents to a private, secure Olympic Beach, incorporating its own live site.

With world-class venues as a stage and a unique Village providing space, comfort, high level services and entertainment, Rio 2016 will inspire all Olympians and Paralympians to perform at their best and be part of a celebration that will never be forgotten.

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- A stunning natural stage with all venues in the city
- World-class, cost efficient and sustainable venues
- Pioneering concepts in Sport Presentation
- Unique spirit of celebration and passion for sport
- Legacy for all Olympic and Paralympic sports

INTRODUCTION

Brazilians and *Cariocas*, the warm and engaging people of Rio de Janeiro, are passionate about sport, embracing major events and making sport a part of their everyday experience. Only the magic of sport could bring such a wide and diverse group together to organize, deliver and celebrate the 2007 Pan American and Parapan American Games - an event that featured a uniquely Brazilian atmosphere of celebration.

Rio is considered Brazil's Olympic sports hub. Supported by its beautiful geographic features and complemented by world-class architecture, Rio will provide an amazing stage for the athletes of the world. With a unique Master Plan that features every venue located in the city, Rio 2016 proposes a cost efficient concept in four zones that promotes economic, environmental and social sustainability. The plan benefits from the substantial use of existing venues and requires the construction of a small number of new permanent venues.

The sport and venues plan has been developed based on the following fundamental principles:

- Prioritizing the experience of athletes as the primary driver for all Games planning and delivery
- Showcasing the city and maximizing the Games' broadcast appeal through the strategic location of sports and venues
- A high level of clustering to concentrate the experience, operational and transport efficiencies within each zone
- Maximizing use of existing venues with only 26% of venues to be built
- Ensuring strong legacies for all Olympic and Paralympic sports and for community and youth recreation
- Aligning the venue Master Plan with a broader agenda of urban transformation across the city
- Optimizing the social impact of sport on the city and its people.

Application of these principles will be evident at Games time through Rio 2016's mission to take every sport to a new level, using innovative venue design and unique concepts in Sport Presentation to connect the spectators to the athletes and enhance the Games experience for both.

The application of a Games theme, inspired by Rio's *Carioca* magic and delivered through the use of music, entertainment and video productions across all sports will ensure that everyone attending an event will not only be a spectator but a participant in the 2016 Olympic and Paralympic Games.

In addition, the individuality of each sport will be both respected and featured, and Rio 2016 will work closely with each International Federation (IF) to pioneer an impressive and engaging experience combining entertainment, interaction and information for spectators, while at the same time honoring and inspiring the athletes. To achieve this new benchmark in presentation, Rio 2016 will provide the budget and expertise for creative concepts and innovative technologies that will be developed in full partnership with each IF.

Rio will provide the most spectacular setting for athletes to perform and engage their audiences - live or broadcast - to celebrate Olympic and Paralympic values in a unique Brazilian style that will entertain and excite viewers worldwide.

9.1 COMPETITION SCHEDULE

IDEAL FOR ATHLETES AND ALL GAMES CLIENTS

The proposed competition schedule has been prepared in close consultation with the IFs. At the same time, it also meets the needs of the media and spectators through the best possible spread of medals across the entire program, with two peaks at the weekends to coincide with prime time for spectators and television viewers.

In designing the schedule, Rio 2016 has adhered to the general principles of past Olympic Games schedules as well as considering local conditions. This will ensure maximum impact for the audience, both in the venues and broadcast, and will enable maximum efficiency in the use of existing and temporary venues.

9.2 VENUES

COMPACT, HIGH OUALITY AND SUSTAINABLE

Sustainable venue Master Plan

Competition venues, all of which meet IF technical requirements and IOC and IPC standards, align with the City Master Plan and legacy strategy. The athlete experience is the other primary criterion, with spectacular world-class venues close to the Olympic and Paralympic Village.

The location of venues in the four zones of Barra, Copacabana, Deodoro and Maracanā distributes legacy facilities throughout the local communities, while the concentration of venues within each zone creates operational efficiencies and enhances the spectator experience.

Most venues are already operational, the majority developed or renovated for the 2007 Pan American Games. The iconic Maracanā Stadium and the four venues hosting football in other cities will all be upgraded to Olympic standards for the 2014 FIFA World Cup. Nine new competition venues will be developed as permanent legacy venues. Each is underpinned by a solid business plan ensuring long-term sustainability for Olympic and Paralympic sport development and community participation.



SPORT ET SITES

	03	04	05	06	07	08	09	10	11	12	13
AOÛT	Mer	Jeu	Ven	Sam	Dim	Lun	Mar	Mer	Jeu	Ven	Sam
	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
SPORT / DISCIPLINE	-2	-1	0	Jo	29	30	49	50	69	79	80
Cérémonies											
Athlétisme						1					
Athlétisme										M•W•Q•QF•SF•F(2)	M•W•O•OF•SF
Marathon										2 2. 3(2)	2 2. 3.
Marche											M•F(1)
Aviron				M•W	M•W	M•W	M•W	M•W	M•W		M•W•F(7)
										M•W•SF•F(1)	
Badminton				M•W•Q	M•W•Q	M•W•Q	M•W•QF	M•W•QF	M•W•SF• F(1)		M•W•F(1)
Basketball				W•Q	M•Q	W•Q	M•Q	W•Q	M•Q	W•Q	M•Q
Boxe				М	М	М	М	М	М	М	M
Canoë/kayak		1									
Course en ligne											
Slalom					M•Q	M•SF•F(2)	M•W•Q	M•W•SF•F(2)			
Cyclisme											
BMX											
Piste									F(1)	F(3)	F(1)
Route				M•F(1)	W•F(1)			M•W•F(2)			
VTT											
Sports Équestres											
Concours Complet					M•W•Q	M•W•Q	M•W•Q	M•W•F(2)			
Dressage					2	2	2	(2)		M•W•Q	F(1)
Saut d'obstacles										Mana	1 (1)
				W•F(1)	M•F(1)	\\/ \(\(\(\(\(\(\(\)\)\)\)	M•F(1)	M∙W∙SF•F(2)	\^/ [/]\	M•F(1)	W•F(1)
Escrime)W 0					W•F(1)		. ,	W•F(1)		
Football	W•Q	M•Q		W•Q	M•Q		W•Q	M•Q		W•QF	M•QF
Gymnastique											
Artistique				М	W	M (1)	W (1)		M (1)	W (1)	
Rythmique											
Trampoline								M•Q•F(1)			W•Q•F(1)
Haltérophilie				W•F(1)	M•W•F(2)	M•W•F(2)	M•W•F(2)	M•W•F(2)		M•W•F(2)	W•F(1)
Handball				W•Q	M•Q	W•Q	M•Q	W•Q	M•Q	W•Q	M•Q
Hockey					W•Q	M•Q	W•Q	M•Q	W•Q	M•Q	W•Q
Judo			N	Λ•W•SF•F(2)	M•W•SF•F(2)	M•W•SF•F(2)	M•W•SF•F(2)	M•W•SF•F(2)	M•W•SF•F(2)	M•W•SF•F(2)	
Lutte					,	,					
Libre											
Gréco-romaine										F(2)	F(2)
Sports Aquatiques										1 (2)	1(2)
Marathon											
				W W O CE	N. N. O. CE E(A)	N. N. O. CE. E(A)	14 14 0 CE E(E)	11 11 0 CF F(1)	11 11 O CE E(E))	14.144.5(5)
Natation				M•W•Q•SF	M•W•Q•SF•F(4)	M•W•Q•SF•F(4)	M•W•Q•SF•F(5)			M•W•SF•F(5)	M•W•F(5)
Plongeon							Q•SF	F(1)	Q•SF	F(1)	Q•SF
Natation Synchronisée											
Water Polo				M•Q	W•Q	M•Q	W•Q	M•Q	W•Q	M•Q	W•QF
Pentathlon Moderne											
Taekwondo											
Tennis				M•W	M•W	M•W	M•W	M•W	M•W	M•W	M•W•SF
Tennis de table				M•W	M•W	M•W•QF	M•W•Q•SF	M•W•Q•SF•F(1)	M•W•Q•C•F(1)	M•W	M•W
Tir											
Carabine, Pistolet			Λ	/\•W•Q•F(2)	W•Q•F(1)	M•Q•F(1)	M•Q•F(1)	W•Q•F(1)	W•Q•F(1)	M•Q•F(1)	M•Q•F(1)
Fosse Olympique				M•Q	M•Q•F(1)	W•Q•F(1)	M•Q•F(1)		W•Q•F(1)	M•Q	M•Q•F(1)
Tir à l'arc				M•W• Q	W•F(1)	M•F(1)	W•Q	M•Q	W•F(1)	M•F(1)	(.)
Triathlon				n-Q	77-1(1)	141-1 (1)	₩•F(1)	M•F(1)	14-1(1)		
Voile					Q	Q			.0		Q
					Q .	T Q	Q	Q	Q	Q	Q
Volleyball											
Volleyball (Plage)					W•M•Q	W•M•Q	W•M•Q	W•M•Q	W•M•Q	W•M•Q	W•M•Q
Volleyball				W•Q	M•Q	W•Q	M•Q	W•Q	M•Q	W•Q	M•Q
Nombre de médailles d'or				7	13	15	14	21	15	22	25

TABLE 9.1 - COMPETITION SCHEDULE

	Médailles	21	20	19	18	17	16	15	14
AUGUS	d'Or /	Dim	Sam	Ven	Jeu	Mer	Mar	Lun	Dim
	Gold	Sun	Sat	Fri	Thu	Wed	Tue	Mon	Sun
SPORT / DISCIPLIN	Medals	169	159	149	130	129	110	100	90
Ceremonie									
Athletic									
Track and Field	42		M•W•F(6)	M•W•Q•F(7)	M•W•Q•SF•F(6)	M•W•Q•SF•F(3)	M•W•Q•QF•SF•F(5)	M•W•Q•QF•SF•F(6)	/•W•Q•SF•F(5)
Marathon	2	M•F(1)							W•F(1)
Race Walk	3		M•F(1)			W•F(1)			
Rowin	14								M•W•F(7)
Badminto	5								M•W•F(2)
Basketba	2	M•F(1)	W•F(1)	M•SF	W•SF	M•QF	W∙QF	M•Q	W•Q
Boxin	11	M•F(6)	M•F(5)	M•SF		M•QF	M•QF	M•QF	M•QF
Canoe/Kaya									
Flatwater	12	F(6)	F(6)	Q	Q	Q	Q		
Slalom	4								
Cyclin									
BMX	2					M•F(1)	W•F(1)		
Track	10					,		F(3)	F(2)
Road	4							, ,	. ,
Mountain Bike	2		M•F(1)	W•F(1)					
Equestria			(.)	(4		I			
Eventing	2								
Dressage	2					F(1)		W•M•Q	
Jumping	2			M•W•F(1)	M•W•F(1)	1 (1)	M•W	Welvied	M•W
	10			10(00001(1)	10100001(1)		101.000		M•F(1)
Fencir Footba				NA E/7\	W•F (1)		M∙SF	W∙SF	IVIªI'(I)
	2			M•F(1)	VV•F (I)		IM•2F	M•2L	
Gymnastic	14		CALA					\A/ \A / (E)	VA/ V / / []
Artistic	14		GALA	F/2\	F/3\	W 0	DCD II	W•M (5)	W•M (5)
Rhythmic	2			F(1)	F(1)	W•Q	RG Podium	RG Podium	
Trampoline	2) (F/7)	14 5(2)	1 (E/2)
Weightliftin	15	====					M•F(1)	M•F(1)	M•F(1)
Handba	2	M•F(1)	W•F(1)	M•SF	W•SF	M•QF	W•QF	M•Q	W•Q
Hocke	2		M•F(1)	W•F (1)	M•SF	W•SF	M•QF	W•QF	M•Q
Jud	14								
Wrestlin									
Freestyle	11		M•F(3)	M•F(2)	M•F(2)	W•F(2)	W•F(2)		
Greco-Roman	7								F(3)
Aquatio									
Marathon Swimming	2						M•F(1)	W•F(1)	
Swimming	32								
Diving	8				F(2)	F(2)	F(1)	Q•SF	F(1)
Synchronized Swimming	2		F(1)	F(1)		Р		P	
Water Polo	2		M•F(1)		M•SF	W•F(1)	M•QF	W•SF	M•Q
Modern Pentathlo	2		M•F(1)	W•F(1)					
Taekwond	8	M•W•QF•SF•F(2)	M•W•QF•SF•F(2)	M•W•QF•SF•F(2)	M•W•QF•SF•F(2)				
Tenn	4							F(2)	F(2)
Table Tenn	4						M•SF•F(1)	M•W•QF•SF•F(1)	M•W•QF
Shootin									
Rifle and Pistol	10								M•Q•F(1)
Trap	5								- 17
Archer	4								
Triathlo	2								
Sailir	11			F(2)	F(2)	F(2)	F(2)	F(1)	F(2)
Volleyba	11	l		1 (2)	1 (2)	1 (2)	1 (2)	1 (1)	1 (2)
Beach	2			M•F(1)	W•F(1)	M•SF	W•SF	M•QF	W•QF
	_						W•QF	M•QF M•Q	W•QF W•Q
	2	λ / _α Γ/3\	\\/_E/1\	M-CF				1010()	
Indoor Total gold meda	2	M•F(1)	W•F(1) 31	M•SF 21	W•SF 18	M•QF 13	14	20	33

The most significant legacy project from the bid is the Olympic Training Center (OTC) program and facilities with its headquarters in Barra, next to the Olympic and Paralympic Village. The OTC will include two venues already existing from the 2007 Pan American Games as well as other facilities built in preparation for the 2016 Games. Through a high performance athlete development program incorporating the training programs of Brazil's National Federations, the facilities of the OTC will be used extensively to enhance the preparation of Brazilian and other teams prior to 2012 and 2016. These facilities will be used as competition and training venues during the 2016 Games, and then will revert to training facilities post-Games. The long term operations of the OTC are secured through the generation of revenues from the adjacent mixed use commercial development which, during the Games, will be the site for the IBC/MPC and a Games hotel.

A further noteworthy legacy will be the X Park in Deodoro hosting venues for Cycling (BMX), Cycling (Mountain Bike) and Canoe/Kayak (Slalom). Post-Games, it will become a center for extreme sports, ideally located in one of the most populous and youthful areas of Rio. In legacy mode the X Park venues will fall under the OTC umbrella of facilities, providing training opportunities in the same sports as for the Games with opportunities to extend to other adventure sports.

The remaining seven competition venues, including the outdoor venues in the Copacabana Zone, will be developed as high quality temporary installations.

Finally, many sports that have traditionally been geographically isolated, such as Canoe/Kayak, Rowing and Sailing, will be staged in dramatic locations in the central city in the heart of the entertainment districts, adding to their exposure and allowing their athletes and officials to enjoy the same celebration of sport as those in all the other sports.

High quality venues

The venues constructed for the 2007 Pan American and Parapan American Games were designed using international standards for accessibility, sustainability and technical specification for major events. Many were also designed to accommodate the necessary modifications for the Olympic and Paralympic Games. For all planned and additional venues, a comprehensive process is being undertaken to ensure the same high standards are met.

Sport in the streets

Gross venue capacities meet all IOC requirements and, in some cases, have been increased due to the popularity of certain sports in Brazil. Road events such as Athletics (Race Walk), Cycling (Road) and Triathlon will pass through the beaches and parks of Copacabana Zone with significant crowds lining the routes. The Marathon will follow a route past many of Rio's iconic landscape features, providing an opportunity for thousands of local citizens to engage in the celebration of this famous event. Other open venues, such as Canoe/Kayak, Rowing and Sailing, will attract large crowds in addition to the seated capacities. Live Sites will be strategically located near these venues, as well as throughout the country, to ensure the broader participation of communities and an enhanced experience for spectators.

As part of Rio's full stadiums program, planning will be undertaken to ensure that both reserved and ticketed seating sections will be adjusted as competitions evolve from preliminary rounds through to finals.



Compact training venues

Rio 2016 proposes a compact training venue strategy, using competition venues and a further 29 training venues: a combination of stand-alone and multi-purpose venues, plus a number of facilities in sports clubs, schools and universities (see Table 9.5B). Of key significance is a primary multi-purpose training center (Olympic Village Training Center) constructed adjacent to the Olympic and Paralympic Village with facilities for eleven Olympic and eight Paralympic sports.

An additional multi-purpose training center, the Juliano Moreira Sports Complex, is situated along the main corridor leading to Rio Olympic Park Precinct, 15 minutes from the Olympic and Paralympic Village. This training center will be developed pre-Games as a school and community venue and will provide much needed facilities both to the local community and the region.

A major benefit of the Rio 2016 plan is the full availability of João Havelange Stadium for Athletics (Track and Field) training leading up to and during the Games, as no other events will be held in this venue.

Ready for additional sports

Rio 2016 recognizes the possibility of new sports being added to the Olympic Program and, following detailed analysis for each of the potential sports, confirms its capability to accommodate any of them with respect to competition venues, training venues, transport and other operational or logistical aspects.

TABLE 9.2 - VENUES

		Competition venues	3	Training venues
SPORT/DISCIPLINE/EVENT	Venue	Vanua nama	Cross sonting agent site	Venue name
SPORT/DISCIPLINE/EVENT	number	Venue name	Gross seating capacity	venue name
Athletics (Marathon)	2	Sambódromo	30,000	Olympic Villago Training Contar
	3	- Flamengo Park	5,000	Olympic Village Training Center
Athletics (Race Walk)	2	riailieligo fark	5,000	Olympic Villago Training Contar
	4	João Havelange Stadium	60,000	Olympic Village Training Center
	5	Joan Havetarige Stadium	60,000	João Havelange Stadium OTC Track and Field
Athletics	6	-	<u> </u>	Federal University of Rio de Janeiro
(Track and Field)	2	-	<u> </u>	Olympic Village Training Center
	7	-		Air Force University
Rowing	8	Lagoa Rodrigo de Freitas	14.000	Lagoa Rodrigo de Freitas
Badminton	9	Riocentro - Pavilion 4	6,500	Riocentro - Pavilion 4
Dadiffillitoff	10	OTC - Hall 1	16,000	OTC - Hall 1
	2	OTC - Hall I	-	Olympic Village Training Center
Basketball	11	_	<u> </u>	Juliano Moreira Sports Complex
	6	-		
Roving	12	Riocentro - Pavilion 2	9,000	Federal University of Rio de Janeiro Riocentro - Pavilion 2
Boxing Capac (Vavak (Flatwater)				
Canoe / Kayak (Flatwater)	12	Lagoa Rodrigo de Freitas	14,000	Lagoa Rodrigo de Freitas
Canoe/Kayak (Slalom)	13	Olympic Whitewater Stadium	8,000	Olympic RAAY Contar
Cycling (BMX)	14	Olympic BMX Center	7,500	Olympic Mountain Rika Park
Cycling (Mountain Bike)	15	Olympic Mountain Bike Park	5,000	Olympic Mountain Bike Park
Cycling (Road)	3	Flamengo Park	5,000	-
	16	-	-	Army Assessment Center
Cycling (Track)	17	Rio Olympic Velodrome	5,000	Rio Olympic Velodrome
•	18	National Equestrian Center	14,000	National Equestrian Center
Fencing	19	Deodoro Arena	5,000	Deodoro Arena
	20	Maracanã Stadium	90,000	-
questrian	21	-	-	Zico Football Club
	22	-	-	Vasco Barra Football Club
	- 11	-	-	Juliano Moreira Sports Complex
	23	Mané Garrincha Stadium (Brasília)	76,000	-
	24	-	-	Cave Stadium
Football		-	-	Minas Brasília Tennis Club
	26	-	-	Yacht Club of Brasília
	27	-	-	Cruzeiro Stadium
	28	Mineirão Stadium (Belo Horizonte)	74,000	-
	29	-	-	Toca da Raposa 1
Football	30	-	-	Toca da Raposa 2
		-	-	C. Atlético Mineiro Training Center
	32	-	-	América F.C. Training Center
		Fonte Nova Stadium (Salvador)	60,000	-
	34	-	-	Santiago Park Stadium
Football		-	-	Pituaçu Stadium
	36	-	-	Barradão Stadium
	37	-	-	E.C. Bahia
	38	Morumbi Stadium (São Paulo)	66,000	-
		-	-	São Paulo F.C. Training Center
Football	40	-	-	S.E. Palmeiras Training Center
	41	-	-	C.A. Juventus Stadium
	42	-	-	Nacional A.C. Stadium
Cympactics	43	Rio Olympic Arena	12,000	Rio Olympic Arena
Gymnastics	2	-	-	Olympic Village Training Center
Weightlifting	44	Riocentro - Pavilion 6	6,500	Riocentro - Pavilion 6
	45	OTC - Hall 4	12,000	OTC - Hall 4
	6	-	-	Federal University of Rio de Janeiro
Handball	2	-	-	Olympic Village Training Center
	11	_	_	Juliano Moreira Sports Complex

TABLE 9.2 - VENUES	CONTINUED

		Competition venu	ies	Training venues
	Venue			
SPORT/DISCIPLINE/EVENT	number	Venue name	Gross seating capacity	Venue name
Hockey	46	Olympic Hockey Center	10,000 (Main Pitch) 5,000 (Second Pitch)	Olympic Hockey Center
	47	-	-	Deodoro Hockey Center
	48	OTC - Hall 2	10,000	OTC - Hall 2
udo	2	-	-	Olympic Village Training Center
A/modified	49	OTC - Hall 3	10,000	OTC - Hall 3
Vrestling	2	-	-	Olympic Village Training Center
\ti (Di. :i)	50	Maria Lenk Aquatic Center	6,500	Maria Lenk Aquatic Center
Aquatics (Diving)	51	-	-	Almirante Adalberto Nunes Physical Education Cente
(6	52	Olympic Aquatics Stadium	18,000	Olympic Aquatics Stadium
Aquatics (Swimming)	2	-	-	Olympic Village Training Center
Aquatics	53	Fort Copacabana	5,000	-
Marathon Swimming)	2	-	-	Olympic Village Training Center
	52	Olympic Aquatics Stadium	18,000	Olympic Aquatics Stadium
Aquatics (Synchronized	6	-	-	Federal University of Rio de Janeiro
Swimming)	54	-	-	Deodoro Modern Pentathlon Park
	50	Maria Lenk Aquatic Center	6,500	Maria Lenk Aquatic Center
Aquatics (Water Polo)	51	-	-	Almirante Adalberto Nunes Physical Education Cente
	54	Deodoro Modern Pentathlon Park	15,000	Deodoro Modern Pentathlon Park
Modern Pentathlon	19	Deodoro Arena	5,000	Deodoro Arena
viodeni i entatition	2	-	-	Olympic Village Training Center
	48	OTC - Hall 2	10,000	OTC - Hall 2
Taekwondo	2	ore mail 2	10,000	Olympic Village Training Center
Fennis	55	Olympic Tennis Center	10,000 (Center Court) 5,000 (Show Court 1) 3,000 (Show Court 2) 250 (Match Courts)	Olympic Tennis Center
Table Tennis	56	Riocentro - Pavilion 3	5,000 (Center Court) 2,000 (Preliminaries)	Riocentro - Pavilion 3
Shooting	57	National Shooting Center	1,000 (Trap and Skeet Prelims.) 2,000 (Trap and Skeet Finals) 1,600 (Finals Hall) 1,000 (10m Range) 750 (50m Range) 500 (25m Range)	National Shooting Center
Archery	1	Sambódromo	6,000	Sambódromo
	53	Fort Copacabana	5,000	-
riathlon	2	-	-	Olympic Village Training Center
	16	-	-	Army Assessment Center
Sailing	58	Marina da Glória	10,000	Marina da Glória
/olleyball (Beach)	59	Copacabana Stadium	12,000	Copacabana Stadium
, ,	60	Maracanãzinho Arena	12,000	Maracanãzinho Arena
	2	-	-	Olympic Village Training Center
	11	-	-	Juliano Moreira Sports Complex
/olleyball	61	-	-	Sergio Buarque de Holanda Municipal School
	62	-	-	Carlos Caetano Miragaya Municipal School
	63	-	_	Silveira Sampaio Municipal School
		Total number of competition venues: 34		Total number of additional training venues: 29

9.3 VENUE LOCATIONS

INTEGRATED GAMES MASTER PLAN

The Rio 2016 Master Plan is based on four zones across the city (Barra, Copacabana, Deodoro, Maracanã). The heart of the Games will be Barra, home to 14 Olympic and 13 Paralympic sports as well as the Olympic and Paralympic Village, the IBC/MPC and Barra Media Village.

A high performance, direct and dedicated transport ring will connect all four zones through a combination of existing high capacity rail and metro and a new Bus Rapid Transit (BRT) system for spectators, and an Olympic Lane network for accredited personnel. This will ensure that movement between each of the four zones can be achieved efficiently and with minimized travel times.

SPORTS ET SITES



	19	Arène de Deodoro Deodoro Arena	(T)
	54	Parc de Pentathlon Moderne de Deodoro Deodoro Modern Pentathlon Park	(T)
	<u>^</u>	Centre d'Entrainement du Village Olympiq Olympic Village Training Center	ue
Y	48	CEO - Salle 2 OTC - Hall 2	
	A	Centre d'Entrainement du Village Olympiq Olympic Village Training Center	ue
A.	55	Centre Olympique de Tennis Olympic Tennis Center	(T)
7		Riocentro - Pavillon 3 Riocentro - Pavilion 3	(T)
I	57	Centre National de Tir National Shooting Center	(T)
*	1	Sambódromo Sambódromo	(T)
A STATE OF THE PARTY OF THE PAR	53	Fort de Copacabana Fort Copacabana	
	A	Centre d'Entrainement du Village Olympiq Olympic Village Training Center	ue
	_	Centre d'Évaluation de l'Armée Army Assessment Center	
1	58	Marina da Glória Marina da Glória	(T)
17.	59	Stade de Copabacana Copacabana Stadium	(T)
F		Arène Maracanâzinho Maracanâzinho Arena	
	<u>^</u>	Centre d'Entrainement du Village Olympiq Olympic Village Training Center	ue
	Λ	Complexe Sportif Juliano Moreira Juliano Moreira Sports Complex	
	A	École Municipale Sergio Buarque de Holan Sergio Buarque de Holanda Municipal Schoo	

(T)

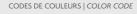
(T)

(T)

(T)

Centre Aquatique Maria Lenk Maria Lenk Aquatic Center

Centre d'Éducation Physique Almirante Adalberto Nunes Almirante Adalberto Nunes Physical Education Center



EXISTANT, pas de constructions

EXISTING, no permanent works required EXISTANT, constructions permanentes nécessaires EXISTING, permanent works required

École Municipale Carlos Caetano Miragaya

Carlos Caetano Miragaya Municipal School

École Municipale Silveira Sampaio Silveira Sampaio Municipal School



SUPPLÉMENTAIRE (Permanent ou Temporaire) ADDITIONAL (Permanent or Temporary)

Stade Maracanã

Club de Football Vasco Barra Vasco Barra Football Club

Club de Football Zico

Complexe Sportif Juliano Moreira Juliano Moreira Sports Complex

< OUVRIR / OPEN

SPORT AND VENUES

INFRASTRUCTURE DES TRANSPORTS | TRANSPORT INFRASTRUCTURE

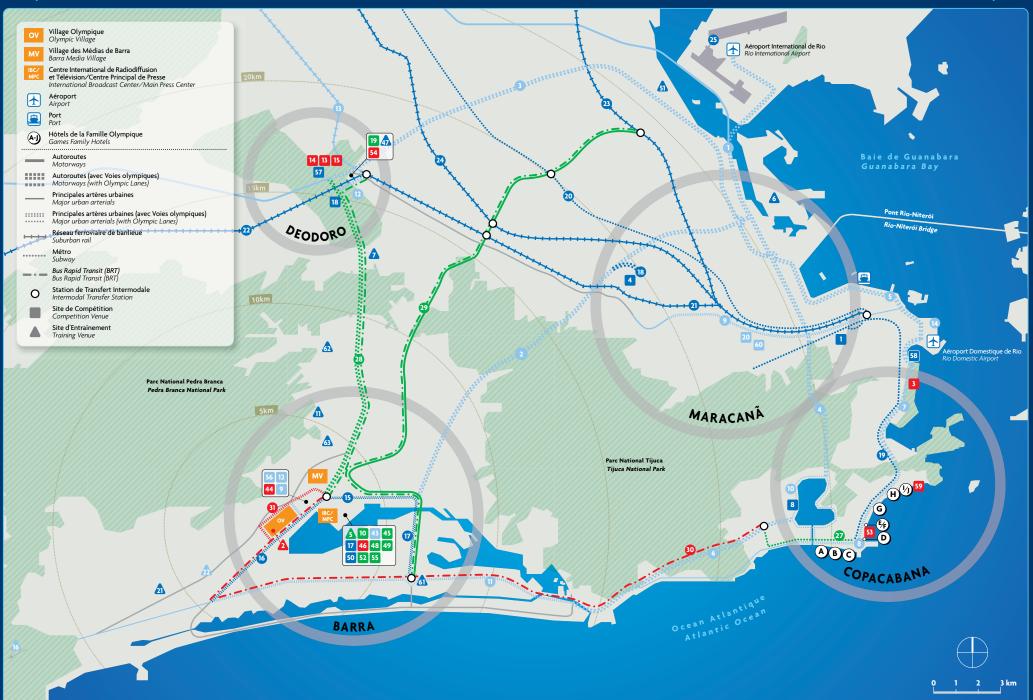
- Autoroute Voie Presidente João Goulart Ligne Rouge

 Motorway Via Presidente João Goulart Red Line
- 2 Autoroute Avenue Governador Carlos Lacerda Ligne Jaune Motorway – Avenue Governador Carlos Lacerda – Yellow Line
- Autoroute Avenue Brasil Motorway – Avenue Brasil
- 4 Autoroute Tunnel Rebouças/Voie Élevée Fressynet
 Motorway Rebouças Tunnel/Fressynet Elevated Way
- Autoroute Voie Élevée Périphérique Motorway – Perimetral Elevated Way
- Autoroute Voie Rapide Barra Zone Sud Motorway – Barra-South Zone Expressway
- Autoroute Aterro/Avenue Flamengo
 Motorway Aterro/Avenue Flamengo
- Artère Urbaine Avenues des Plages de la Zone Sud Major Urban Arterial – South Zone Beach Avenues
- 9 Artère Urbaine Avenue Presidente Vargas/Radiale Ouest Major Urban Arterial – Avenue Presidente Vargas/Radial Oeste
- 10 Artère Urbaine Avenue Borges de Medeiros/Epitácio Pessoa Major Urban Arterial – Avenue Borges de Medeiros/Epitácio Pessoa
- Artère Urbaine Avenue das Américas Major Urban Arterial – Avenue das Américas
- 12 Artère Urbaine Avenue Duque de Caxias Major Urban Arteriel – Avenue Duque de Caxias
- Réseau Ferroviaire de Banlieue Ligne Japeri Suburban Rail – Japeri Line
- Aéroport Domestique de Rio Rio Domestic Airport

- Artère Urbaine Avenue Aberlardo Bueno Major Urban Arterial – Avenue Abelardo Bueno
- Artère Urbaine Avenue Salvador Allende Major Urban Arterial – Avenue Salvador Allende
- Artère Urbaine Avenue Ayrton Senna Major Urban Arterial – Avenue Ayrton Senna
- Artère Urbaine Liaisons au Stade Olympique Major Urban Arterial – Olympic Stadium Links
- Métro Métro Ligne 1 Subway – Metro Line 1
- Métro Métro Ligne 2 Subway – Metro Line 2
- Réseau Ferroviaire de Banlieue Ligne Deodoro
 Suburban Rail Deodoro Line
- Réseau Ferroviaire de Banlieue Ligne Santa Cruz Suburban Rail – Santa Cruz Line
- Réseau Ferroviaire de Banlieue Ligne Sacacuruna Suburban Rail – Sacacuruna Line
- Réseau Ferroviaire de Banlieue Ligne Belford Roxo Suburban Rail – Belford Roxo Line
- Aéroport International de Rio Rio International Airport
- Métro Métro Ligne 1 (extension) Subway – Metro Line 1 (extension)
- BRT Autoroute Liaison C BRT – Motorway – Link C
- BRT Artère Urbaine Couloir T5
 BRT Major Urban Arterial T5 Corridor
- BRT Autoroute Barra-Zone Sud BRT – Motorway – Barra-South Zone
- Artère Urbaine Voie 5 Major Urban Arterial – Via 5



Rio de Janeiro



9.4 VENUE WORKS

LIMITED AND EFFICIENT VENUE CONSTRUCTION

Established pricing benchmarks

The pricing for both permanent and temporary venue works has been undertaken by experienced international and local experts. The Rio 2007 Pan American Games provided valuable benchmarks for future developments which have been studied relative to planned and additional venues. For temporary venues, the pricing approach uses international rates and standards, balanced with the appropriate use of local market resources to ensure implementation with the required quantity and quality.

Existing venues: no permanent works required - 10 (29%)

Most venues constructed for the 2007 Pan American and Parapan American Games were designed in accordance with Olympic and Paralympic requirements. In these cases, and where there is no additional legacy requirement, only temporary adaptations will be made and the venue returned to its original state post-Games.

Existing venues: permanent works required - 8 (24%)

Where significant modifications are required to existing venues and there is a defined legacy, these works will be undertaken permanently. An example is João Havelange Stadium, where the expanded seating capacity of 60,000, a venue evolution identified as part of the initial design, will be a positive legacy.

New permanent venues - 9 (26%)

A small number of venues will be built as new permanent structures. These will include the Olympic Training Center facilities in Barra which will be built irrespective of the bid and the X Park in Deodoro. These developments are important legacy projects which will add to the sporting infrastructure of the city.

Totally temporary - 7 (21%)

Where there is no legacy need, venues will be developed as totally temporary. These will include many of the outdoor and road events, including Cycling (Road), Triathlon and Volleyball (Beach), which will all be held in the Copacabana Zone.

Guaranteed funding

The financing of all venues has been guaranteed by the relevant level of Government (City, State or Federal) depending on the ownership.

Refer to Section 9 of the Guarantees File.

Timely delivery

Construction timelines have been developed based on previous experience in the Brazilian construction industry and the direct experience from the Rio 2007 Pan American Games to ensure compliance with the following principles:

- All permanent venues will be completed a minimum of one year before the Games for test events, with adequate contingencies
- For temporary Games venues, all elements essential for testing will be constructed for test event purposes
- Key legacy projects related to the OTC will be completed to assist with the training of the Brazilian and other teams for the 2012 and 2016 Games. The schedule includes early development of the Olympic Village Training Center to allow relocation of some training activities from the OTC while its Olympic adaptation is underway in 2015-16
- Adequate implementation time for overlay and any other temporary infrastructure.

TABLE 9.4 - URBAN DOMAINS AND COMMON DOMAINS

., ,	ORDAN DOMAINS AND COMMON DOM	2 11 19		
ZONE	Site	Description	Permanent Cost USD 2008 (000)	Temporary Cost USD 2008 (000)
	Urban Domain	Public plaza, pedestrian links between venues, general upgrade of urban areas	25,967	-
Deodoro	X Park Precinct Common Domain	Public spaces, Games overlay (spectator pathways, amenities, etc.)	22,608	4,415
	Urban Domain Public plaza, pe of urban areas X Park Precinct Common Domain Public spaces, C Modern Pentathlon Common Domain Public spaces, C João Havelange Stadium Urban Domain Renovations Renovations, al and general up Rio Olympic Park Precinct Common Domain Appropriation, overlay (specta)	Public spaces, Games overlay (spectator pathways, amenities, etc.)	5,156	3,260
Deodoro		Renovations, appropriation, demolition and transfer of structures and general upgrade of urban areas	66,771	-
	Sambódromo Urban Domain Renovations	Renovations, appropriation, demolition and transfer of structures and general upgrade of urban areas	20,804	-
Barra	Rio Olympic Park Precinct Common Domain	Appropriation, demolition, construction of structures and Games overlay (spectator pathways, amenities, residences, etc.)	216,403	18,155
	ban Domain Public plaza, of urban area of urban area park Precinct Common Domain Public spaces, odern Pentathlon Common Domain Public spaces, and General urban Domain Renovations Public spaces, and general urban Domain Renovations Public spaces, and general urban Domain Renovations Public plaza, of urban area values, and general urban Domain Appropriation overlay (specific possible propriation overlay (specific possible propriation overlay (specific possible propriation overlay (specific possible propriation overlay (specific propriation overlay (specific propriation overlay (specific propriation overlay (specific plaza, of urban area of urban area propriation overlay (specific plaza, of urban area propriation overlay (specific plaza, of urban area propriation overlay (specific plaza, of urban area propriation overlay (specific plaza) (specific	Games overlay (spectator pathways, amenities, etc.)	-	3,830

TABLE 9.4.1 – EXISTING VENUES, NO PERMANENT WORKS REQUIRED (IN USD MILLION)

		F	inancing c	of works					Works so	chedule
		Cost	of tempo	rary wo	rks				Temporal	ry works
		Total cost of	oco	OG	G Other		Original	Date(s) of any		
VENUE	SPORT(S)	works USD 2008	USD 2008	%	USD 2008 %		date of construction	completed upgrade(s)	Start date	Finish date
Riocentro - Pavilion 2	Boxing	4,848	4,848	100	-	0	1977	2007	2015	2016
Riocentro - Pavilion 3	Table Tennis	6,469	6,469	100	-	0	1977	2007	2015	2016
Riocentro - Pavilion 4	Badminton	6,354	6,354	100	-	0	1977	2007	2015	2016
Rio Olympic Arena	Gymnastics	4,094	4,094	100	-	0	2007	N/A	2015	2016
Maracanãzinho Arena	Volleyball	2,737	2,737	100	-	0	1953	2007	2015	2016
Maracanã Stadium¹	Ceremonies, Football	5,572	5,572	100	-	0	1950	2007/2014	2015	2016
Mané Garrincha Stadium (Brasília) ²	Football	3,726	3,726	100	-	0	1974	2013	2015	2016
Mineirão Stadium (Belo Horizonte) ²	Football	3,726	3,726	100	-	0	1965	2013	2015	2016
Fonte Nova Stadium (Salvador) ²	Football	3,726	3,726	100	-	0	1951	2013	2015	2016
Morumbi Stadium (São Paulo) ²	Football	3,726	3,726	100	-	0	1960	2013	2015	2016
TOTAL		44,978	44,978							

^{1.} Maracanā Stadium was upgraded for the 2007 Pan American Games and will undergo additional renovation prior to the 2014 FIFA World Cup and is therefore considered 'existing'

TABLE 9.4.2 – EXISTING VENUES, PERMANENT WORKS REQUIRED (IN USD MILLION)

						Finan	cing of W	orks						Works Schedule			e
		Permanent works					Temporary works				Total		Permanent works		Temporary works		
		Total perm.	OC	OG	Othe	Other		occ	OG Oth		er	cost	Original				
VENUE	SPORT(S)	works USD 2008	USD 2008	%	USD 2008	%	temp. works USD 2008	USD 2008	%	USD 2008	%	works USD 2008	date of construc-	Start date	Finish date	Start date	Finish date
Rio Olympic Velodrome	Cycling (Track)	35,067	-	0	35,067	100	4,640	4,640	100	-	0	39,707	2007	2013	2015	2015	2016
Maria Lenk Aquatic Center	Aquatics (Diving), Aquatics (Water Polo)	8,645	-	0	8,645	100	6,199	6,199	100	-	0	14,844	2007	2010	2011	2015	2016
Sambódromo	Athletics (Mara- thon), Archery	13,455	-	0	13,455	100	9,276	9,276	100	-	0	22,731	1984	2013	2015	2015	2016
João Havelange Stadium	Athletics (Track and Field)	41,271	-	0	41,271	100	11,207	11,207	100	-	0	52,478	2007	2013	2015	2015	2016
National Shooting Center	Shooting	2,645	-	0	2,645	100	4,951	4,951	100	-	0	7,596	2007	2010	2011	2015	2016
National Equestrian Center	Equestrian	10,740	-	0	10,740	100	9,603	9,603	100	-	0	20,343	2007	2010	2011	2015	2016
Lagoa Rodrigo de Freitas	Rowing, Canoe/ Kayak (Flatwater)	2,260	-	0	2,260	100	18,331	18,331	100	-	0	20,591	1953	2014	2015	2015	2016
Marina da Glória	Sailing	9,480	-	0	9,480	100	12,604	12,604	100	-	0	22,084	1979	2014	2015	2015	2016
TOTAL		123,563			123,563		76,811	76,811		0		200,374					

for the purposes of the 2016 Bid

2. Football stadiums to be used in regional cities outside Rio de Janeiro, will be upgraded to FIFA requirements for the 2014 FIFA World Cup and are therefore considered 'existing' for the purposes of the 2016 Bid. Cities to be confirmed upon FIFA's final decision for 2014 World Cup host cities

TABLE 9.4.3 – VENUES TO BE BUILT - PERMANENT (IN USD MILLION)

						Finar	ncing of w	orks						Works s	chedul	e	
		Permanent works				Temporary works				Total	Permanent works		Temporary works				
			OC	OCOG Other		er	Total temp.	temp. OCOG		OCOG Other		ner	cost				
VENUE	SPORT(S)	works USD 2008	USD 2008	%	USD 2008	%	works USD 2008	USD 2008	%	USD 2008	%	works USD 2008	Start date	Finish date	Start date	Finish date	
OTC - Hall 1 (Planned)	Basketball		-	0			7,958	7,958	100	-	0	56,768	2009	2011	2015	2016	
OTC - Hall 2 (Planned)	Judo, Taekwondo	105 240	-	0	195.240	100	8,188	8,188	100	-	0	56,998	2009	2011	2015	2016	
OTC - Hall 3 (Planned)	Wrestling	195,240	-	0	195,240	100	7,884	7,884	100	-	0	56,694	2009	2011	2015	2016	
OTC - Hall 4 (Planned)	Handball		-	0			9,459	9,459	100	-	0	58,269	2009	2011	2015	2016	
Deodoro Arena (Planned)	Modern Pentathlon, Fencing	41,110	-	0	41,110	100	4,986	4,986	100	-	0	46,096	2009	2011	2015	2016	
Olympic Tennis Center (Planned)	Tennis	46,115	-	0	46,115	100	16,693	16,693	100	-	0	62,808	2013	2015	2015	2016	
Olympic Aquatics Stadium (Planned)	Aquatics (Swimming), Aquatics (Synchro- nized Swimming)	37,877	-	0	37,877	100	16,687	16,687	100	-	0	54,564	2013	2015	2015	2016	
Olympic Whitewater Stadium (Additional)	Canoe/Kayak (Slalom)	26,160	-	0	26,160	100	4,819	4,819	100	-	0	30,979	2012	2015	2015	2016	
Olympic BMX Center (Additional)	Cycling (BMX)	6,585	-	0	6,585	100	5,704	5,704	100	-	0	12,289	2012	2015	2015	2016	
IBC (Additional)	-	110,455	-	0	110,455	100	19,560	19,560	100	-	0	130,015	2013	2015	2015	2016	
MPC (Additional)	-	92,477	-	0	92,477	100	16,255	16,255	100	-	0	108,732	2013	2015	2015	2016	
TOTAL		556,019			556,019		118,193	118,193		0		674,212					

TABLE 9.4.4 – VENUES TO BE BUILT – TEMPORARY ONLY (IN USD MILLION)

TABLE 3.4.4 VENGES TO BE BO	TEI - TEMII OKAKI ONEI (III 03D MILELI	011						
				Works schedule				
		Co	ost of tempo		Temporary works			
		Total cost of	OCOG		Other			
VENUE	SPORT(S)	works USD 2008	USD 2008	%	USD 2008	%	Start date	Finish date
Copacabana Stadium	Volleyball (Beach)	10,782	10,782	100	N/A	N/A	2015	2016
Fort Copacabana	Aquatics (Marathon Swimming), Triathlon	9,735	9,735	100	N/A	N/A	2015	2016
Flamengo Park	Athletics (Race Walk), Cycling (Road)	8,827	8,827	100	N/A	N/A	2015	2016
Riocentro - Pavilion 6	Weightlifting	17,980	17,980	100	N/A	N/A	2015	2016
Olympic Hockey Center	Hockey	12,351	12,351	100	N/A	N/A	2015	2016
Olympic Mountain Bike Park	Cycling (Mountain Bike)	8,409	8,409	100	N/A	N/A	2014	2016
Deodoro Modern Pentathlon Park	Modern Pentathlon	10,362	10,362	100	N/A	N/A	2015	2016
TOTAL		78,446	78,446		0			

9.5 VENUE USE

FULL COMPLIANCE WITH IOC, IPC AND IFS

Venue use agreements

A venue use agreement has been established with each venue owner, addressing all IOC and IPC requirements. Venue ownership falls into three categories:

- Government-owned and operated: venue use agreements have been signed by Government (City, State or Federal) with no requirement for additional sub-agreements
- Government-owned with private concession/operator: the Governments have accepted full responsibility to negotiate any contracts and sub-contracts in compliance with the venue use agreement

 Privately-owned: for privately-owned venues, Rio 2016 has negotiated directly with the venue owner and has obtained the required venue use agreement.

International Federation agreements

IF agreements have been obtained for competition venues following extensive dialogue and consultation with each IF to ensure the highest standard of technical design.

Refer to Section 9 of the Guarantees File for Guarantees and IF agreements.

TABLE 9.5A - COMPETITION VENUE USE AND OWNERSHIP

COMPETITION VENUES		Use of venue		Owne	Ver Guara	IF Agreement				
VENUE NAME (Existing/new venue)	Names of sports and disciplines/ number of events	Current use	Post-Games use	Current ownership	Post-Games ownership	Venue use	Com- mer- cial rights	IF name	Yes	No
BARRA CLUSTER										
Riocentro - Pavilion 2 (Existing Venue)	Boxing (11 events)	Exhibition Center	Exhibition Center	CG / PV concession	CG / PV concession	✓	✓	AIBA	✓	
Riocentro - Pavilion 3 (Existing Venue)	Table Tennis (4 events)	Exhibition Center	Exhibition Center	CG / PV concession	CG / PV concession	✓	✓	ITTF	√	
Riocentro - Pavilion 4 (Existing Venue)	Badminton (5 events)	Exhibition Center	Exhibition Center	CG / PV concession	CG / PV concession	✓	✓	BWF	√	
Riocentro - Pavilion 6 (Temporary Venue)	Weightlifting (15 events)	-	-	-	-	√	✓	IWF	√	
Rio Olympic Arena (Existing Venue)	Gymnastics (Artistic), Gymnastics (Rhythmic), Gymnastics (Trampoline) (18 events)	Multipurpose Arena	Multipurpose Arena	CG / PV concession	CG / PV concession	√	√	FIG	✓	
Rio Olympic Velodrome (Existing Venue)	Cycling (Track) (10 events)	Multipurpose Arena	Multipurpose Arena	CG/BOC concession	CG/BOC concession	✓	✓	UCI	✓	
Maria Lenk Aquatic Center (Existing Venue)	Aquatics (Diving), Aquatics (Water Polo) (10 events)	Multipurpose Arena	Multipurpose Arena	CG/BOC concession	CG/BOC concession	✓	✓	FINA	√	
OTC - Hall 1 (New Venue)	Basketball (2 events)	-	Olympic Training Center	-	FG / BOC	√	√	FIBA	√	
OTC - Hall 2 (New Venue)	Judo (14 events) Taekwondo (8 events)	-	Olympic Training Center	-	FG / BOC	√	√	FIJ WTF	√	
OTC - Hall 3 (New Venue)	Wrestling (18 events)	-	Olympic Training Center	-	FG / BOC	√	✓	FILA	√	
OTC - Hall 4 (New Venue)	Handball (2 events)	-	Olympic Training Center	-	FG / BOC	√	✓	IHF	√	
Olympic Aquatics Stadium (New Venue)	Aquatics (Swimming and Synchronized Swimming) (34 events)	-	Olympic Training Center	-	FG / BOC	√	✓	FINA	√	
Olympic Hockey Center (Temporary Venue)	Hockey (2 events)	-	-	-	-	✓	✓	FIH	√	
Olympic Tennis Center (New Venue)	Tennis (4 events)	-	Olympic Training Center	-	FG / BOC	√	✓	ITF	✓	

 $FG = Federal \ Government, \ SG = State \ Government, \ CG = City \ Government, \ PV = Private, \ BOC - Brazilian \ Olympic \ Committee, \ PPP = Public-Private \ Partnership$

TABLE 9.5A - COMPETITION VENUE USE AND OWNERSHIP

CONTINUED

TABLE 9.5A – COMPET	ITTON VENUE USE AN	ID OWNERSHIP						()	NTIN	JED
COMPETITION VENUES		Use of	venue	Owne	ership	Ver Guara	IF Agreement			
VENUE NAME (Existing/new venue)	Names of sports and disciplines/ number of events	Current use	Post-Games use	Current ownership	Post-Games ownership	Venue use	Com- mer- cial rights	IF name	Yes	No
DEODORO CLUSTER										
National Shooting Center (Existing Venue)	Shooting (15 events)	Olympic Training Center	Olympic Training Center	FG	FG	✓	✓	ISSF	✓	
National Equestrian Center (Existing Venue)	Equestrian (6 events)	Olympic Training Center	Olympic Training Center	FG	FG	✓	✓	FEI	✓	
Deodoro Modern Pentathlon Park (Temporary Venue)	Modern Pentathlon (2 events)	-	-	-	-	√	✓	UIPM	✓	
Deodoro Arena (New Venue)	Fencing (10 events)	-	Olympic Training Center	-	FG	✓	✓	FIE	✓	
Olympic Mountain Bike Park (Temporary Venue)	Cycling (Mountain Bike) (2 events)	-	-	-	-	√	√	UCI	√	
Olympic Whitewater Stadium (New Venue)	Canoe/Kayak (Slalom) (4 events)	-	Comunity Park and Olympic Training Center	-	FG	√	√	ICF	√	
Olympic BMX Center (New Venue)	Cycling (BMX) (2 events)	-	Comunity Park and Olympic Training Center	-	FG	√	√	UCI	√	
MARACANÃ CLUSTER										
Maracanã Stadium (Existing Venue)	Ceremonies/Football (2 events)	Football Stadium	Football Stadium	SG	SG/PPP	✓	✓	- FIFA	✓	
Maracanãzinho Arena (Existing Venue)	Volleyball (2 events)	Multipurpose Arena	Multipurpose Arena	SG	SG/PPP	✓	✓	FIVB	✓	
Sambódromo (Existing Venue)	Archery (4 events) Athletics (Marathon) (2 events)	Carnaval and Events	Carnaval and Events	CG	CG	✓	✓	IAAF FITA	✓	
COPACABANA BEACH CL	LUSTER									
Copacabana Stadium (Temporary Venue)	Volleyball (Beach) (2 events)	-	-	-	-	✓	✓	FIVB	√	
Fort Copacabana (Temporary Veune)	Aquatics (Marathon Swimming) (2 events) Triathlon (2 events)	-	-	-	-	✓	✓	FINA ITU	✓	
FLAMENGO PARK CLUST	ER									
Marina da Glória (Existing Venue)	Sailing (11 events)	Marina	Marina	CG / PV concession	CG / PV concession	✓	✓	ISAF	✓	
Flamengo Park (Temporary Venue)	Athletics (Race Walk) (3 events), Cycling (Road) (4 events)	-	-	-	-	✓	✓	IAAF UCI	✓	
STAND ALONE VENUES										
João Havelange Stadium (Existing Venue)	Athletics (Track and Field) (42 events)	Football Stadium	Football Stadium	CG / PV concession	CG / PV concession	✓	✓	IAAF	✓	
Lagoa Rodrigo de Freitas (Existing Venue)	Canoe/Kayak (Flatwater) (12 events) Rowing (14 events)	Rowing/Canoe venue and commercial space	Rowing/Canoe venue and commercial space	SG/PV concession	SG/PV concession	√	✓	FISA ICF	✓	
Mané Garrincha Stadium (Brasília) (Existing Venue)	Football (2 events)	Football Stadium	Football Stadium	SG	SG/PPP	√	✓	FIFA	✓	
Mineirão Stadium (Belo Horizonte) (Existing Venue)	Football (2 events)	Football Stadium	Football Stadium	SG	SG/PPP	√	√	FIFA	✓	
Fonte Nova Stadium (Salvador) (Existing Venue)	Football (1 event)	Football Stadium	Football Stadium	SG	SG/PPP	√	√	FIFA	√	
Morumbi Stadium (São Paulo) (Existing Venue)	Football (2 events)	Football Stadium	Football Stadium	PV	PV	√	√	FIFA	√	

FG = Federal Government, SG = State Government, CG = City Government, PV = Private, BOC - Brazilian Olympic Committee, PPP = Public-Private Partnership

TABLE 9.5B - TRAINING VENUE USE AND OWNERSHIP

TRAINING VENUES	Use of	venue	Own	ership	
VENUE NAME (Existing/new venue)	NAME OF SPORT/DISCIPLINE/EVENT	Current use	Post-Games use	Current ownership	Post-Games ownership
		Army Assessment Center	Army Assessment Center	Federal Government	Federal Governmen
Almirante Adalberto Nunes Physical Education Center (existing)	Aquatics (Diving), Aquatics (Water Polo)	Navy Physical Education Center	Navy Physical Education Center	Federal Government	Federal Governmen
Air Force University (existing)	Athletics (Track and Field)	Air Force University	Air Force University	Federal Government	Federal Governmen
Carlos Caetano Miragaya Municipal School (existing)	Volleyball	Public School	Public School	City Government	City Governmen
Sergio Buarque de Holanda Municipal School (existing)	Volleyball	Public School	Public School	City Government	City Governmen
Silveira Sampaio Municipal School (existing)	Volleyball	Public School	Public School	City Government	City Governmen
Olympic Training Center - Track and Field (new venue)	Athletics (Track and Field)	-	Olympic Training Center	-	Federal Governmen / BOC
Olympic Village Training Center (temporary venue)	Athletics (Marathon), Athletics (Race Walk), Modern Pentathlon, Aquatics (Marathon Swimming), Gymnastic (Artistic), Gymnastic (Rhythmic), Gymnastic (Trampoline), Handball, Taekwondo, Triathlon, Aquatics (Swimming), Athletics (Track and Field), Basketball, Judo, Volleyball, Wrestling	-	-	-	-
São Paulo F.C. Training Center (existing)	Football	Sporting Club	Sporting Club	Private	Private
S.E. Palmeiras Training Center (existing)	Football	Sporting Club	Sporting Club	Private	Private
Nacional A.C. Stadium (existing) Football		Sporting Club	Sporting Club	Private	Private
C.A. Juventus Stadium (existing)	Football	Sporting Club	Sporting Club	Private	Private
Toca da Raposa 1 (existing)	Football	Sporting Club	Sporting Club	Private	Private
Toca da Raposa 2 (existing)	Football	Sporting Club	Sporting Club	Private	Private
C. Atlético Mineiro Training Center (existing)	Football	Sporting Club	Sporting Club	Private	Private
América F.C. Training Center (existing)	Football	Sporting Club	Sporting Club	Private	Private
E.C. Bahia (existing)	Football	Sporting Club	Sporting Club	Private	Private
Barradão Stadium (existing)	Football	Sporting Club	Sporting Club	Private	Private
Santiago Park Stadium (existing)	Football	Sporting Club	Sporting Club	Private	Private
Pituaçu Stadium (existing)	Football	Sporting Club	Sporting Club	Private	Private
Yacht Club of Brasília (existing)	Football	Sporting Club	Sporting Club	Private	Private
Minas Brasília Tennis Club (existing)	Football	Sporting Club	Sporting Club	Private	Private
Cruzeiro Stadium (existing)	Football	Sporting Club	Sporting Club	Private	Private
CAVE Stadium (existing)	Football	Sporting Club	Sporting Club	Private	Private
Deodoro Hockey Center (existing)	Hockey	Hockey Training Center	Hockey Training Center	Federal Government	Federal Governmer
Federal University of Rio de Janeiro (existing)	Aquatics (Synchronized Swimming), Athletics (Track and Field), Handball, Basketball	Federal University	Federal University	Federal Government	Federal Governmer
Vasco Barra Football Club (existing)	Football	Football Club	Football Club	Private	Private
Zico Football Club (existing)	Football	Football Club	Football Club	Private	Private
Juliano Moreira Sports Complex (existing)	Basketball, Football, Handball, Volleyball	Federal Institution	Federal Institution	Federal Government	Federal Governmer

9.6 VENUES OWNED BY PUBLIC AUTHORITIES

PUBLIC VENUES AT NO COST

The Federal, State and City Governments have guaranteed to provide all Government-owned venues free of charge and free of any commercial rights issues to Rio 2016.

Refer to section 9 of the guarantees file.

9.7 VENUE BLOCK AND CLUSTER PLANS

CLIENT REQUIREMENTS AND EXPECTATIONS MET

Block planning has been undertaken with Games-experienced international and national experts in consultation with representatives from key Games clients.

9.7.1 VENUE PLANNING PRINCIPLES

Venue block plans were designed based on the following established and tested generic planning principles:

- Keeping the athlete experience as the primary driver, followed by that of other Games clients
- Meeting all IF, IOC and IPC technical, spatial and operational requirements
- Being consistent with Olympic and Paralympic Games planning principles and level of service expectations
- Designing for the appropriate levels of security
- Ensuring client-dedicated transport load zones and parking areas
- Ensuring efficient operations including the necessary affinities and separation between clients

- Ensuring the best atmosphere for all through the optimal relationship between the seating bowls and field of play
- Incorporating accessibility standards throughout, including for seating.

Block plans for each competition venue follow.

9.7.2 EFFICIENCY THROUGH CLUSTERS AND PRECINCTS

Within Rio's four venue zones, there are five venue clusters (containing four precincts) that have been planned recognizing the operational impacts and efficiencies for each:

- Barra Zone
 - Barra Cluster, including Rio Olympic Park Precinct and Riocentro Precinct
- Copacabana Zone
 - Copacabana Beach Cluster
 - Flamengo Park Cluster
- Maracanã Zone
 - Maracanã Cluster, including Maracanã Precinct
- Deodoro Zone
 - Deodoro Cluster including the X Park Precinct

Rio 2016's cluster design will add vibrancy to the Games experience, with celebration sites within each cluster to engage the broader community. Clusters will also take advantage of operational and logistical efficiencies, and will allow the easy circulation of accredited personnel on shuttles between venues within the cluster.

Refer to the block plans for each cluster.



SPORT ET SITES







Sites Paralympiques | Paralympic Venues



ZONE DE BARRA | BARRA ZONE

SITES OLYMPIQUES DE ZONE | ZONE OLYMPIC VENUES



BADMINTON BADMINTON



BASKETBALL BASKETBALL



BOXE ROXING



CYCLISME (Piste)



CYCLING (Track)



GYMNASTIQUE (Artistique) GYMNASTICS (Artistic)



GYMNASTIQUE (Rythmique) GYMNASTICS (Rhythmic)



GYMNASTIQUE (Trampoline) GYMNASTICS (Trampoline)



HALTÉROPHILIE WEIGHTLIFTING



HANDBALL



HOCKEY





WRESTLING



SPORTS AQUATIQUES (Natation) AQUATICS (Swimming)



SPORTS AQUATIQUES (Natation Synch)
AQUATICS (Sync. Swimming)



SPORTS AQUATIQUES



(Plongeon)
AQUATICS (Diving)



SPORTS AQUATIQUES (Water-polo) AQUATICS (Water Polo)



TAEKWONDO TAEKWONDO



TENNIS



TENNIS DE TABLE



SITES PARALYMPIQUES DE ZONE | ZONE PARALYMPIC VENUES



FAUTEUIL ROULANT WHEELCHAIR BASKETBALL

BASKETBALL EN



CYCLISME (Piste) CYCLING (Track)

















TENNIS DE TABLE TABLE TENNIS



FAUTEUIL ROULANT WHEELCHAIR TENNIS



VOLLEYBALL (Assis) VOLLEYBALL (Sitting)

Le centre des Jeux Olympiques et Paralympiques de Rio 2016 sera la zone de Barra, une région en pleine, et un site naturel spectaculaire, avec ses lacs, ses montagnes et ses parcs. Le Village olympique et paralympique, le Parc olympique de Rio, Riocentro, le CIRTV et le CPP, ainsi que le Village des médias de Barra sont tous situés dans la zone de Barra, et c'est là que la moitié de toutes les compétitions se dérouleront. Plusieurs sites dans la zone de Barra seront construits en adaptant de façon temporaire ou en faisant l'extension des installations du Centre d'entraînement olympique, est des projets d'héritage sportif majeur de la candidature de Rio 2016.

HÉRITAGE

Barra bénéficiera énormément des Jeux, avec de nouveaux sites, une meilleure qualité de la desserte des transports publics, des logements privés et sociaux supplémentaires, et la réhabilitation de l'environnement, des cours d'eau et des parcs, qui sont tous des priorités du gouvernement dans cette région.

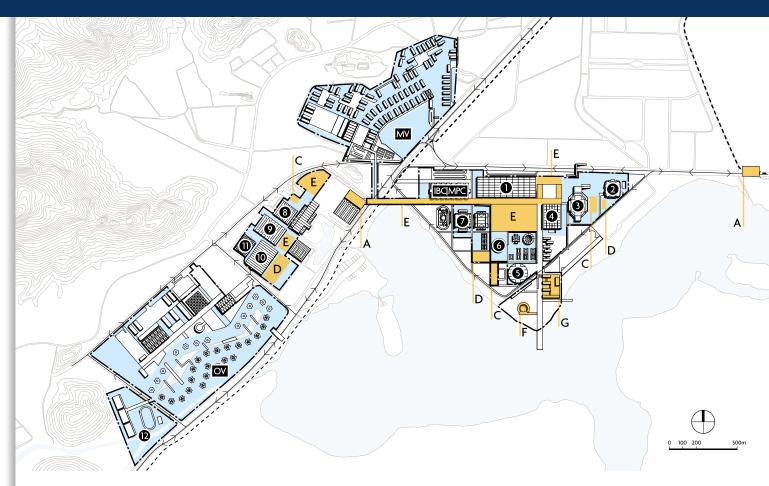
The heart of the Rio 2016 Olympic and Paralympic Games will be Barra, Rio's fastest growing region and a spectacular natural stage with lakes, mountains and parks. The Olympic and Paralympic Village, Rio Olympic Park, Riocentro, the IBC/ MPC and the Barra Media Village are all located in the Barra Zone and half of all athletes will compete there. Many venues in Barra will be delivered through the temporary adaptation or expansion of Olympic Training Center facilities, the major sport legacy project of the bid.

LEGACY

Barra will benefit significantly from the Games with new venues, improved transport connectivity, additional private and social housing and environmental remediation of the waterways and parks, all of which are Government priorities for this region.

B1 NOYAU DE BARRA | *BARRA CLUSTER*







- • Périmètre de Sécurité
 Secure Perimeter
- Voie de Transport Accréditée Accredited Transport Route
- - Transport Public BRT
 Public Transport BRT
 - A Terminal de Transport Public Public Transport Terminal
 - B Zones de Stationnement Parking Areas
 - C Aire de Radio et Télédiffusion Broadcast Compounds
 - D Aire d'Opération Operational Compounds
 - E Place des Spectateurs Spectator Plaza
- F Live Site
- G Hospitalité des Sponsors Sponsor Hospitality
- H Installations des Athlètes Athletes Facilities
- OV Village Olympique Olympic Village
- MV Village des Médias Media Village
- IBC/ Centre International de Radio et
 MPC Télédiffusion/Centre Principal de Presse
 International Broadcast Center
 and Main Press Center

- CEO Salles 1 à 4 OTC Halls 1 to 4
- 2 Centre Aquatique Maria Lenk Maria Lenk Aquatic Center
- 3 Arène Olympique de Rio Rio Olympic Arena
- 4 Stade Aquatique Olympique Olympic Aquatics Stadium
- 5 Vélodrome Olympique de Rio Rio Olympic Velodrome
- 6 Centre Olympique de Tennis Olympic Tennis Center
- Centre Olympique de Hockey
 Olympic Hockey Center
 Riocentro Pavillon 2
- Riocentro Pavilion 2

 Riocentro Pavillon 3
- Riocentro Pavilion 3

 Riocentro Pavillon 4
- Riocentro Pavilion 4

 Riocentro Pavillon 6
 Riocentro Pavilion 6
- 12 Centre d'Entrainement du Village Olympique Olympic Village Training Center

SITES DE COMPÉTITION COMPETITION VENUES RIOCENTRO - PAVILION 4 **RIOCENTRO - PAVILLON 4** Badminton Badminton CEO - SALLE 1 OTC - HALL 1 Basketball Basketball RIOCENTRO - PAVILLON 2 RIOCENTRO - PAVILION 2 Boxe Boxing VÉLODROME OLYMPIQUE DE RIO RIO OLYMPIC VELODROME Cyclisme (Piste) Cycling (Track) RIO OLYMPIC ARENA ARÈNE OLYMPIQUE DE RIO Gymnastiques (Artistique, Ritmique et Trampoline) Gymnastics (Artistic, Rhythmic and Trampoline) RIOCENTRO - PAVILLON 6 RIOCENTRO - PAVILION 6 Haltérophilie Weightlifting OTC - HALL 4 CEO - SALLE 4 Handball OLYMPIC HOCKEY CENTER CENTRE OLYMPIOUE DE HOCKEY Hockey Hockey CEO - SALLE 2 OTC - HALL 2 Judo, Taekwondo Judo, Taekwondo OTC - HALL 3 CEO - SALLE 3 Wrestling Lutte CENTRE AQUATIQUE MARIA LENK MARIA LENK AQUATIC CENTER Sports Aquatiques (Plongeon, Water Polo) Aquatics (Diving, Water Polo) STADE AQUATIQUE OLYMPIQUE OLYMPIC AQUATICS STADIUM Aquatics (Swimming, Synchronized Swimming) Sports Aquatiques (Natation, Natation Synchronisée) CENTRE OLYMPIQUE DE TENNIS OLYMPIC TENNIS CENTER Tennis RIOCENTRO - PAVILLON 3 RIOCENTRO - PAVILION 3 Tennis de Table Table Tennis INFRASTRUCTURE DE TRANSPORT TRANSPORT INFRASTRUCTURE Artère Urbaine ::15:: Major Urban Arterial Avenue Abelardo Bueno Artère Urbaine Avenue Salvador Allende Major Urban Arterial Avenue Salvador Allende BRT – Motorway Link C BRT – Autoroute Liaison C BRT – Artère Urbaine Couloir T5 BRT – Major Urban Arterial T5 Corridor BRT – Autoroute Barra-Zone Sud Artère Urbaine Voie 5 Major Urban Arterial Via 5 Village Olympique Olympic Village Centre Principal de Presse/ Centre International de Radiodiffusion et Télévision Main Press Center/ International Broadcast Center Village des Médias de Barra Barra Media Village ROUTES D'ACCÈS ET PÉRIMÈTRES ACCESS ROUTES & PERIMETERS

Périmètre de sécurité

Routes d'accès publiques

Routes d'accès avec accréditation

Live Site

Entrées avec accréditation

Entrée publique

Secure perimeter

Public access routes

Accredited entries

Accredited access routes

Public entry

Live Site



EXIST



SPORT ET SITES



BASKETBALL | BASKETBALL & BASKETBALL EN FAUTEUIL ROULANT | WHEELCHAIR BASKETBALL (RUGBY EN FAUTEUIL ROULANT | WHEELCHAIR RUGBY (

CEO - SALLE 1 | OTC - HALL 1

Centre d'entraînement olympique (CEO) – Le Salle 1 sera le site de basketball olympique, de basketball en fauteuil roulant et de rugby en fauteuil roulant. Ce site est dans l'enceinte du Parc olympique de Rio où se dérouleront neuf autres sports, à moins de cinq minutes du Village olympique et paralympique, et près du CIRTV et du CPP. Ce site aura une capacité en places assises de 16 000 places, dont 5 000 sont des places assises permanentes et 11 000 des places assises temporaires.

Le CEO disposera de 40 000m² d'espace en salle en mode d'héritage, y compris des installations permanents pour le basketball qui incluront des installations pour les athlètes et les entraîneurs et quatre terrains permanents. Le maintien de 5 000 places permanentes dans le Salle 1 fournira à le CEO une installation pour les compétitions locales et régionales.

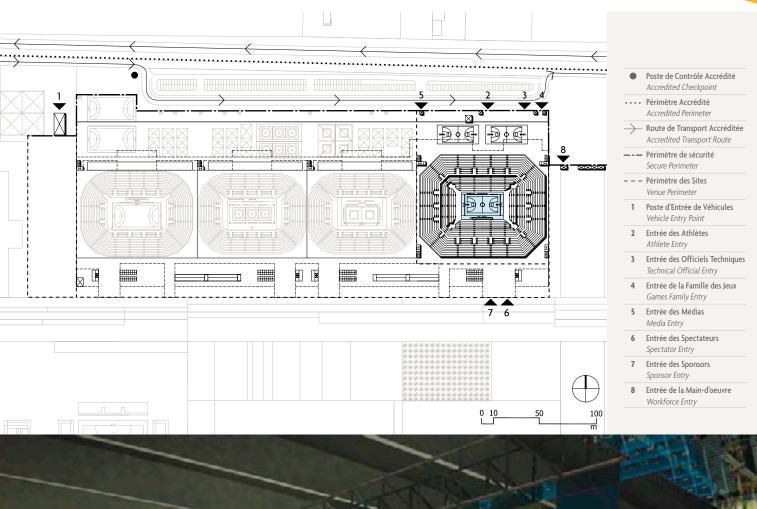
Olympic Training Center (OTC) – Hall 1 will be the venue for Olympic Basketball, Wheelchair Basketball and Wheelchair Rugby. The venue is located in Rio Olympic Park Precinct with nine other sports and is within five minutes of the Olympic and Paralympic Village and walking distance from the IBC/MPC. The venue will have a seating capacity of 16,000 with 5,000 permanent seats and 11,000 temporary.

The OTC will accommodate 40,000m² of indoor space in legacy mode, including permanent facilities for Basketball which will include athlete and coach facilities and four permanently installed courts. The retention of 5,000 permanent seats in Hall 1 will provide the OTC with a facility for local and regional competitions.

CAPACITÉ D'ACCUEIL CAPACITY

Salle 1 Hall 1	16,000
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SPORT ET SITES



CEO - SALLE 2 | OTC - HALL 2

Le Centre d'entraînement olympique (CEO) - Salle 2 sera le site du judo et du taekwondo olympiques, ainsi que du judo et de la boccia paralympiques, avec une capacité d'accueil de 10 000 places. Le site sera dans l'enceinte du Parc olympique de Rio avec neuf autres sports, et à cinq minutes du Village olympique et paralympique et à une courte distance à pied du CIRTV et du CPP.

HÉRITAGE

Le CEO offrira 40 000m² d'espace d'entraînement en salle, pour 12 sports olympiques, après les Jeux. Le judo aura des installations d'entraînement permanentes dans le Salle 2, y compris des vestiaires pour les athlètes, des installations pour les entraîneurs, et six tatamis permanents d'entraînement, ce qui constitue un héritage important pour le judo au Brésil.

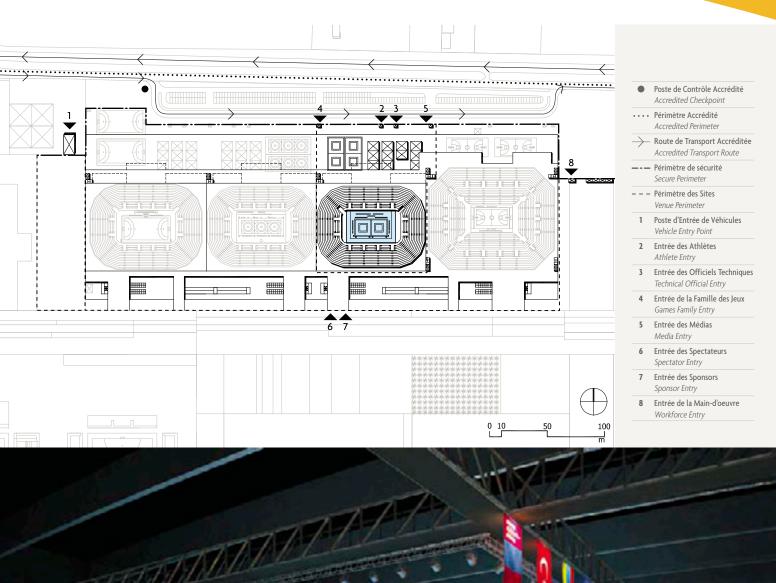
Olympic Training Center (OTC) - Hall 2 will be the venue for Olympic Judo and Taekwondo and Paralympic Judo and Boccia with a capacity of 10,000 seats. The venue will be located within the Rio Olympic Park Precinct with nine other sports and within five minutes of the Olympic and Paralympic Village and walking distance from the IBC/MPC.

LEGACY

The OTC will accommodate 40,000m² of indoor training space for 12 Olympic sports after the Games. Judo will have permanent training facilities within Hall 2, including dedicated athlete change rooms, coaching facilities and six permanent training mats ensuring a strong legacy for Judo in Brazil.

CAPACITÉ D'ACCUEIL	CAPACITY
CALACITE D'ACCOLIL	CAIACIII





SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER TAEKWONDO | TAEKWONDO 🍪 BOCCIA | BOCCIA 🥨

CEO - SALLE 2 | OTC - HALL 2

Le Salle 2 du Centre d'entraînement olympique (CEO) sera le site du judo et du taekwondo olympiques et du judo et de la boccia paralympiques. Il aura une capacité d'accueil de 10 000 places assises. Ce site sera situé à l'intérieur de l'enceinte du Parc olympique de Rio, où se dérouleront les compétitions de neuf autres sports, et se trouvera à cinq minutes du Village olympique et paralympique et à quelques pas du CIRTV et du CPP.

HÉRITAGE

Après les Jeux, le CEO aura 40 000m² d'espace d'entraînement couvert à l'usage de 12 sports. Quant au taekwondo brésilien, il héritera d'installations d'entraînement permanentes à l'intérieur du Salle 2 qui comprendront des vestiaires pour les athlètes, des équipements d'entraînement et quatre tapis d'entraînement permanents.

Olympic Training Center (OTC) - Hall 2 will be the venue for Olympic Judo and Taekwondo and Paralympic Judo and Boccia with a capacity of 10,000 seats. The venue will be located within the Rio Olympic Park Precinct with nine other sports and within five minutes of the Olympic and Paralympic Village and walking distance from the IBC/MPC.

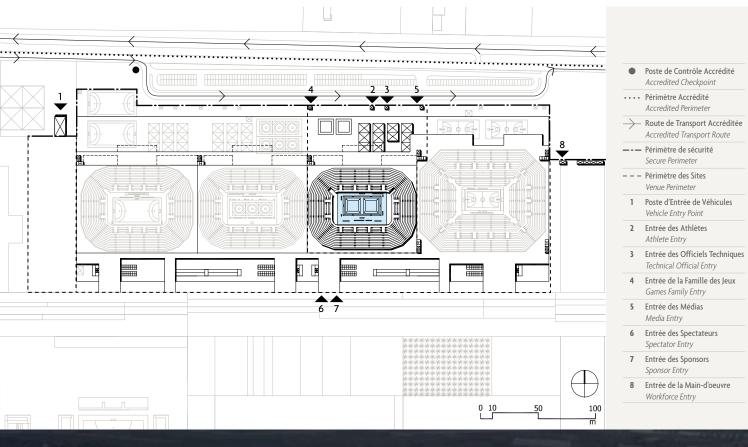
LEGACY

The OTC will accommodate 40,000m² of indoor training space for 12 sports after the Games. Taekwondo will have permanent training facilities within Hall 2, including dedicated athlete change rooms, coaching facilities and four permanent training mats ensuring a strong legacy for Taekwondo in Brazil.

CAPACITÉ D'ACCUEIL	CAPACITY
CALACITE D'ACCOLIL	CAIACIII

Salle 2 Hall 2	10,000
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	DEODORO MARACAN	Ã	DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
*	turing I	Village Village	4 KM	5 MIN.
<u></u>	IBC MPC OV, ILLIANTINI	CIRTV/CPP IBC/MPC	0.4 KM	5 MIN. (À PIED) 5 MIN. (WALK)
	BARRA COPACABAN	Hôtels Principaux Main Hotels	30 KM	35 MIN.





SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER

LUTTE | WRESTLING SSS VOLLEYBALL (ASSIS) | VOLLEYBALL (SITTING)

CEO - SALLE 3 | OTC - HALL 3

Le Salle 3 du Centre d'entraînement olympique (CEO) sera le site de la lutte olympique et du volleyball (assis) paralympique. Il aura une capacité d'accueil de 10 000 places assises. Ce site sera situé à l'intérieur de l'enceinte du Parc olympique de Rio, où se dérouleront les compétitions de neuf autres sports, et sera à cinq minutes du Village olympique et paralympique, et à quelques pas du CIRTV et du CPP.

HÉRITAGE

Après les Jeux, le CEO aura 40 000m² d'espace d'entraînement en salle à l'usage de 12 sports. Quant à la lutte brésilienne, elle héritera d'installations d'entraînement permanentes à l'intérieur du Salle 2 qui comprendront des vestiaires pour les athlètes, des équipements d'entraînement et six tapis d'entraînement permanents.

Olympic Training Center (OTC) - Hall 3 will be the venue for Olympic Wrestling and Paralympic Volleyball (Sitting) with a capacity of 10,000 seats. The venue will be within the Rio Olympic Park Precinct with nine other sports and within five minutes of the Olympic and Paralympic Village and walking distance from the IBC/MPC.

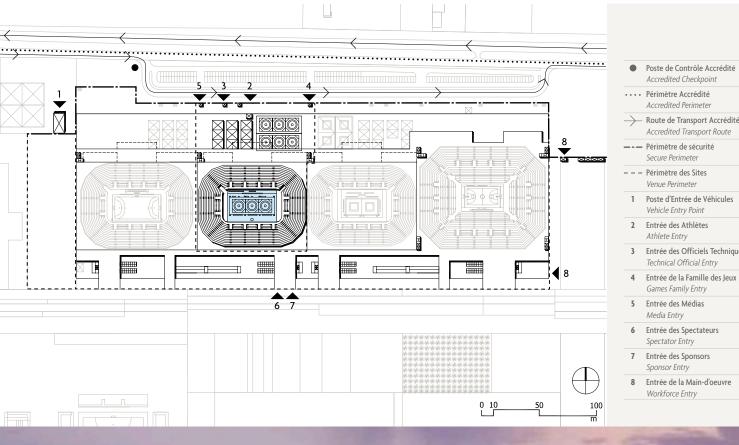
LEGACY

The OTC will accommodate 40,000m² of indoor training space for 12 Olympic sports after the Games. Wrestling will have permanent training facilities within Hall 2, including dedicated athlete change rooms, coaching facilities and six training mats, ensuring a strong legacy for Wrestling in Brazil.

CAPACITÉ D'ACCUEIL CAPACITY

Salle 3 | *Hall 3* 10,000





- Route de Transport Accréditée
- Entrée des Officiels Techniques



SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER

HANDBALL | HANDBALL 888 GOALBALL | GOALBALL 6

CEO - SALLE 4 | OTC - HALL 4

Le Centre d'entraînement olympique (CEO) - Salle 4 sera le site de handball olympique et de goalball paralympique, avec une capacité d'accueil de 12 000 places. Le site sera situé dans l'enceinte du Parc olympique de Rio, avec neuf autres sports, à cinq minutes du Village olympique et paralympique, et à courte distance à pied du CIRTV et du CPP. En plus des installations permanentes pour les athlètes et les officiels, le site aura également des places temporaires et des zones de soutien.

HÉRITAGE

Le CEO offrira 40 000m² d'espace d'entraînement en salle pour 12 sports olympiques après les Jeux. Le handball aura des installations permanentes d'entraînement dans le Hall 4, y compris des vestiaires pour les athlètes, des installations pour les entraîneurs et deux courts permanents, ce qui constitue un important héritage pour le handball au Brésil.

Olympic Training Center (OTC) - Hall 4 will be the venue for Olympic Handball and Paralympic Goalball with a capacity of 12,000 seats. The venue will be located within the Rio Olympic Park Precinct with nine other sports and within five minutes of the Olympic and Paralympic Village and walking distance from the IBC/MPC. Permanent athlete and officials facilities will be supplemented by temporary seating and support areas.

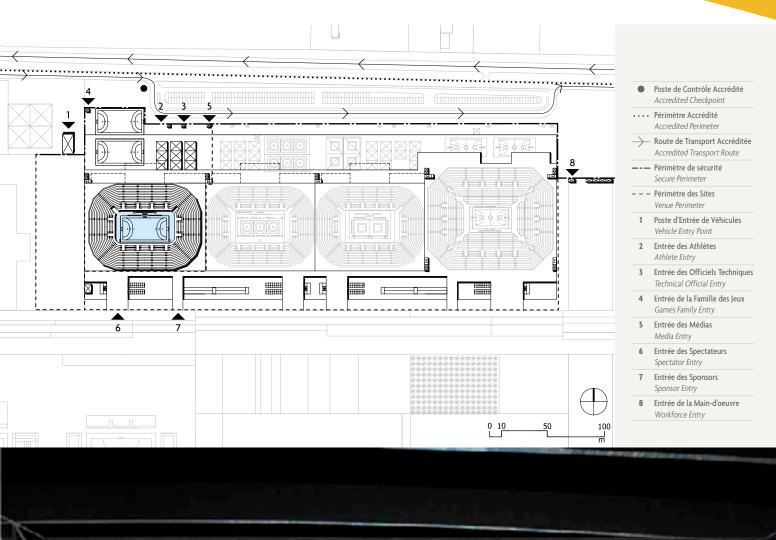
LEGACY

The OTC will accommodate 40,000m² of indoor training space for 12 Olympic sports after the Games. Handball will have permanent training facilities within Hall 4, including dedicated athlete change rooms, coaching facilities and two permanent courts, ensuring a strong legacy for Handball in Brazil.

CAPACITÉ D'ACCUEIL CAPACITY

Salle 4 | *Hall 4* 12,000

	DEODORO MARACANĂ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
<u>*</u>	Interior I	Village Village	4 KM	5 MIN.
%	IBC MPC OV, ITTITUTE	CIRTV/CPP IBC/MPC	0.4 KM	5 MIN. (À PIED) 5 MIN. (WALK)
	BARRA COPACABANA	Hôtels Principaux Main Hotels	30 KM	35 MIN.



SPORT ET SITES



CENTRE OLYMPIQUE DE HOCKEY | OLIMPIC HOCKEY CENTER

Le Centre olympique de hockey accueillera le hockey olympique ainsi que le football à 5 et à 7 sur deux terrains. Le Centre olympique de hockey est situé dans le Parc olympique de Rio, jouxte du Village olympique et paralympique, du CIRTV et du CPP et d'autres installations clés. Les places et installations temporaires seron utilisées répondre aux exigences des Jeux Olympiques.

HÉRITAGE

Un terrain sera maintenu pour le hockey au sein du CEO après les Jeux.

The Olympic Hockey Center will host Olympic Hockey and Paralympic 5-a-side and 7-a-side Football. The Olympic Hockey Center is located within Rio Olympic Park in close proximity to the Olympic and Paralympic Village, IBC/MPC and other key facilities. Temporary seating and facilities will be used to meet Olympic Games requirements.

LEGACY

One pitch will be retained for Hockey as a part of the Olympic Trainning Center after the Games.

CAPACITÉ CAPACITY

Terrain principal Pitch 1	10,000
Deuxième terrain Pitch 2	5,000

	DEODORO MARACANĂ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
1	and the state of t	Village Village	7 KM	10 MIN.
\$	IBC MPC OV, ITHITHITH	CIRTV/CPP IBC/MPC	0.3 KM	5 MIN. (À PIED) 5 MIN. (WALK)
	BARRA COPACABANA	Hôtels Principaux Main Hotels	30 KM	35 MIN.



SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER

TENNIS | TENNIS 989 TENNIS EN FAUTEUIL ROULANT | WHEELCHAIR TENNIS (

CENTRE OLYMPIQUE DE TENNIS | OLYMPIC TENNIS CENTER

Le Centre olympique de tennis sera le site des épreuves du tennis olympique et du tennis paralympique en fauteuil roulant. Il sera construit dans le cadre du Centre d'entraînement olympique (CEO), lui-même un héritage d'importance issu de la candidature de Rio aux Jeux Olympiques. Pendant les Jeux, le site de 10 hectares comportera 16 courts. L'infrastructure permanente sera complétée par l'adjonction de gradins et d'installations temporaires pour répondre aux besoins des Jeux. Le Centre olympique de tennis est situé à l'intérieur de l'enceinte du Parc olympique de Rio, à proximité du Village olympique et paralympique, du CIRTV et du CPP et d'autres installations clés.

HÉRITAGE

Après les Jeux, dix courts seront conservés dans le cadre du CEO, ce qui sera un héritage pour ce sport et représentera également un site très demandé pour les compétitions internationales de tennis au Brésil.

The Olympic Tennis Center will be the venue for Olympic Tennis and Paralympic Wheelchair Tennis. It will be constructed as part of the Olympic Training Center (OTC), a key legacy of the Rio Olympic Bid. For the Olympic Games, a total of 16 courts will be provided across a site area of 10 hectares. Temporary seating and facilities will be used to supplement permanent infrastructure to meet Games requirements. The Olympic Tennis Center is located within the Rio Olympic Park Precinct in close proximity to the Olympic and Paralympic Village, IBC/MPC and other key facilities.

LEGACY

After the Games, ten courts will be maintained as a part of the OTC providing a strong legacy for the sport, and also providing a much needed competition venue for major tennis events in Brazil.

TEMPS DE VOYAGE

10 MIN. (WALK)

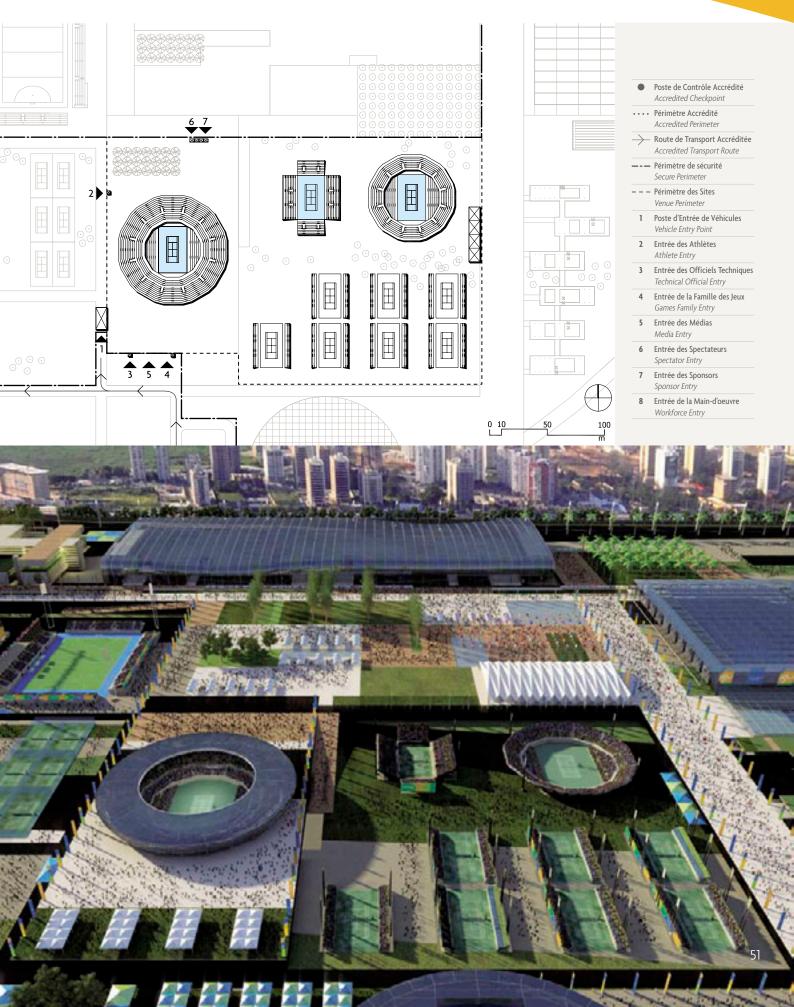
10 MIN. 10 MIN. (À PIED)

35 MIN.

CAPACITÉ D'ACCUEIL CAPACITY

Court central Center Court	10,000
Court N° 1 Match Court 1	5,000
Court N° 2 Match Court 2	3,000
Courts Nos 3 à 9 Match Courts 3-9	250

	DEODORO	MARACANÃ		DISTANCE DISTANCE
A.		inninini E	Village Village	6 KM
2.	IBC MPC OV, III, III, II		CIRTV/CPP IBC/MPC	0.7 KM
	BARRA	COPACABANA	Hôtels Principaux Main Hotels	29 KM



SPORT ET SITES



VÉLODROME OLYMPIQUE DE RIO | RIO OLYMPIC VELODROME

Le Vélodrome olympique de Rio sera le site des épreuves de piste du cyclisme olympique et paralympique. Ce site, construit initialement pour les Jeux Panaméricains de 2007, fera l'objet d'importants réaménagements pour le rendre conforme aux normes olympiques. Il sera situé à l'intérieur du Parc olympique de Rio, près du CIRTV et du CPP, et à dix minutes du Village olympique et paralympique.

HÉRITAGE

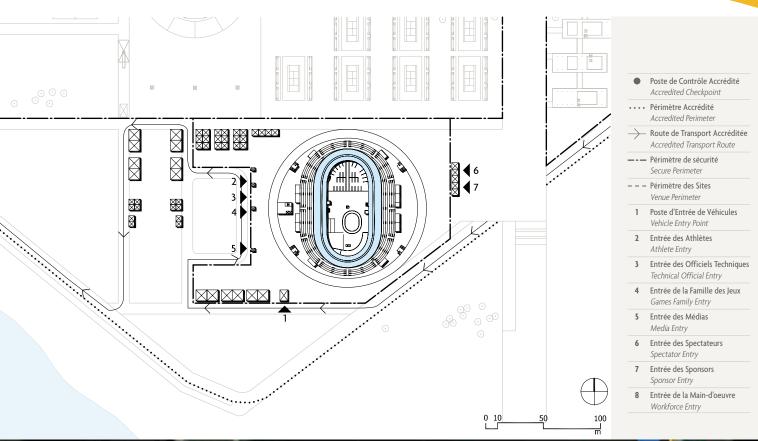
Le site fera partie intégrante du Centre d'entraînement olympique (CEO), l'un des héritages les plus importants de la candidature de Rio 2016; il est actuellement géré par le Comité Olympique Brésilien. Le Vélodrome olympique de Rio représentera un héritage durable pour le cyclisme de piste au Brésil. Rio Olympic Velodrome will be the venue for Olympic and Paralympic Cycling (Track). The venue, originally constructed for the 2007 Pan American Games, will undergo a major redevelopment to meet Olympic requirements. The venue will be located within the Rio Olympic Park Precinct near the IBC/MPC and within ten minutes of the Olympic and Paralympic Village.

IFGACY

The venue will be an integral part of the Olympic Training Center (OTC), one of the important legacies of the Rio 2016 Bid, and is currently managed by the Brazilian Olympic Committee. The Rio Olympic Velodrome will leave a lasting legacy for Cycling (Track) in Brazil.

CAPACITÉ D'ACCUEIL	CAPACITY

	DEODORO	MARACANÃ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
		inning I	Village Village	6 KM	10 MIN.
80	IBC MPC OV,,,,,,,,,,,,,	<i>y</i>	CIRTV/CPP IBC/MPC	0.8 KM	10 MIN. (À PIED) 10 MIN. (WALK)
	BARRA	COPACABANA	Hôtels Principaux Main Hotels	28 KM	35 MIN.





SPORT ET SITES



Le Centre Aquatique Maria Lenk sera le site des sports aquatiques (plongeon et water-polo). Le site fut construit pour les Jeux Panaméricains de 2007. Le terrain de jeu a été conçu conformément aux exigeances de la FINA pour les grandes compétitions internationales et requiert quelques aménagements mineurs pour les Jeux Olympiques de 2016.

CENTRE AQUATIQUE MARIA LENK | MARIA LENK AQUATIC CENTER

Le Centre Aquatique Maria Lenk appartient à la municipalité de Rio et est géré par le Comité Olympique Brésilien. Ce site sera totalement intégré au Centre d'entraînement olympique (CEO) comme centre d'excellence pour toutes les disciplines des sports aquatiques et servira également de cadre pour les compétitions régionales et internationales. Maria Lenk Aquatic Center will be the venue for Aquatics (Diving) and Aquatics (Water Polo). The venue was constructed for the 2007 Pan American Games. The field of play was designed in accordance with FINA requirements for major international competitions, and requires minimal modification for the 2016 Olympic Games.

LEGACY

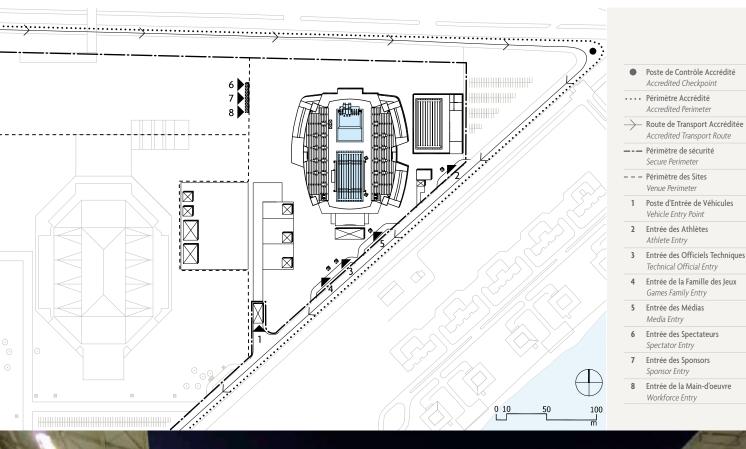
The Maria Lenk Aquatic Center is owned by the City of Rio and is currently managed by the Brazilian Olympic Committee. The venue will be fully integrated into the Olympic Training Center (OTC) as a center of excellence for all Aquatics disciplines, as well as being used for regional and international competitions.

CAPACITÉ D'ACCUEIL	CADACITY
CAPACITE D'ACCUEIL	CAPACITI

Centre Aquatique Maria Lenk | Maria Lenk Aquatic Center

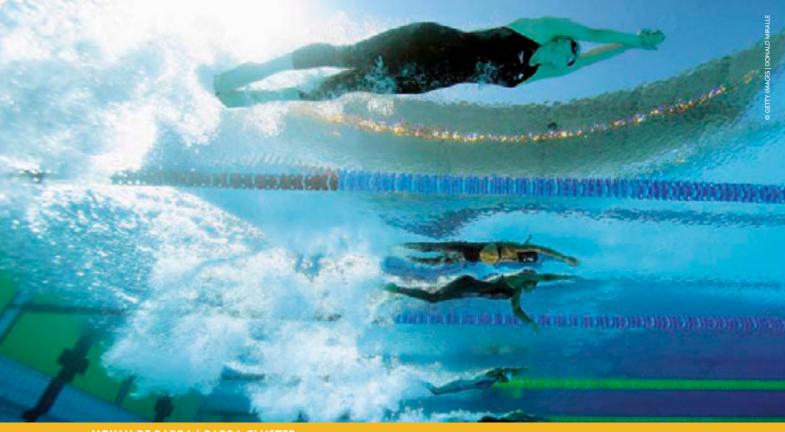
6,500

	DEODORO	MARACANÃ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
4		inning E	Village Village	5 KM	5 MIN.
د	IBC MPC OV		CIRTV/CPP IBC/MPC	1 KM	5 MIN.
	BARRA	COPACABANA	Hôtels Principaux Main Hotels	28 KM	35 MIN.





SPORT ET SITES



NOYAU DE BARRA | *BARRA CLUSTER*

S. AQUATIQUES (NATATION ET NATATION SYNC.) | AQUATICS (SWIMMING AND SYNC. SWIMMING) $\stackrel{\text{\tiny{$\otimes}}}{}$ NATATION | SWIMMING $\stackrel{\text{\tiny{$\omega}}}{}$

STADE AQUATIQUE OLYMPIQUE | OLYMPIC AQUATICS STADIUM

Le Stade Aquatique Olympique sera le site des sports aquatiques Olympiques (natation et natation synchronisée) et de la natation paralympique. Le site sera construit dans l'enceinte du Parc olympique de Rio, avec 18 000 places temporaires dans une structure permanente. Au cœur du Parc olympique de Rio, le site sera à dix minutes du Village olympique et paralympique et à courte distance à pied du CIRTV et du CPP.

LEGACY

La structure du Stade Aquatique Olympique sera maintenue après Jeux et fera partie du Centre d'entraînement olympique (CEO). Une fois que tous les sièges auront été enlevés, le Centre sera remis à niveau et transformé en installations pour des locaux administratifs et des bureaux de recherche de le CEO.

The Olympic Aquatics Stadium will be the venue for Olympic Aquatics (Swimming) and Aquatics (Synchronized Swimming) and Paralympic Swimming. The venue will be constructed at the Rio Olympic Park Precinct with 18,000 temporary seats within a permanent structure. In the heart of Rio Olympic Park, the venue will be ten minutes from the Olympic and Paralympic Village and walking distance from the IBC/MPC.

LEGACY

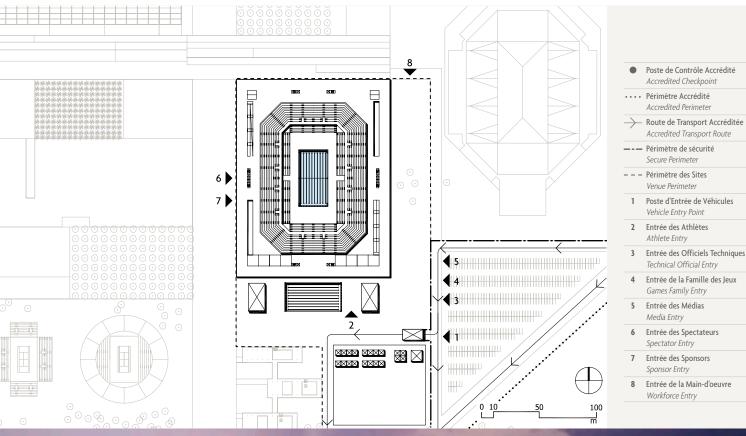
The Olympic Aquatics Stadium structure will be retained after the Games, becoming an integral part of the Olympic Training Center (OTC). With all seating removed, the facility will be retrofitted to accommodate key administrative and research facilities for the OTC.

CAPACITÉ D'ACCUEIL	CAPACITY

Stade Aquatique Olympique | Olympic Aquatics Stadium 18,000



	DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
Village Village	6 KM	10 MIN.
CIRTV/CPP IBC/MPC	0.8 KM	10 MIN. (À PIED) 10 MIN. (WALK)
Hôtels Principaux Main Hotels	28 KM	35 MIN.





SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER

GYMNASTIQUE | GYMNASTICS SS BASKETBALL EN FAUTEUIL ROULANT | WHEELCHAIR BASKETBALL (

ARÈNE OLYMPIQUE DE RIO | RIO OLYMPIC ARENA

L'Arène olympique de Rio sera le site de toutes les disciplines de la gymnastique olympique et du basketball paralympique en fauteuil roulant. Achevé pour les Jeux Panaméricains de 2007, ce site a été conçu pour la gymnastique olympique. Il accueillera les trois disciplines de la gymnastique, ainsi que le Gala s'inspirant des programmes préférés de la FIG. Ce site est situé à l'intérieur de l'enceinte du Parc olympique de Rio, où se dérouleront les épreuves de dix autres sports, et est à cinq minutes du Village olympique et paralympique.

HEERITAGE

L'Arène olympique de Rio est la propriété de la ville de Rio de Janeiro et est placée sous la gestion de GL Events. Elle est beaucoup utilisée pour accueillir des manifestations sportives de grande ampleur, des concerts et des activités culturelles. C'est le plus grand espace couvert de Rio. Après les Jeux, l'Arène olympique de Rio continuera d'être une ressource importante de la ville pour y attirer et organiser d'importantes manifestations.

Rio Olympic Arena will be the venue for Olympic Gymnastics and Paralympic Wheelchair Basketball. Completed for the 2007 Pan American Games, the venue was designed for Olympic Gymnastics. The same venue will host Artistic, Rhythmic and Trampoline disciplines as well as the Gala event based on the preferred program of FIG. The venue is located within the Rio Olympic Park Precinct with ten other sports and within five minutes of the Olympic and Paralympic Village.

LEGACY

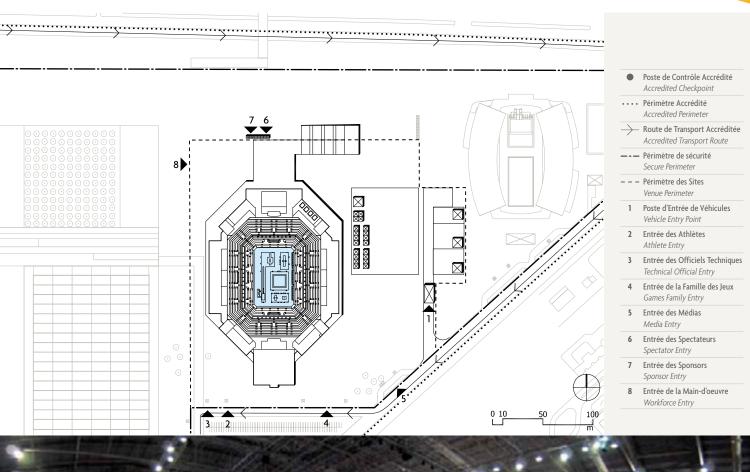
Rio Olympic Arena is owned by the City of Rio de Janeiro and operated by GL Events. It is used extensively for major sporting events, concerts and cultural activities and is Rio's largest indoor arena. After the Games, Rio Olympic Arena will continue to be an important asset for the city in attracting and hosting major events.

CAPACITÉ	D'ACCUEIL	CAPACITY

Arène Olympique de Rio | *Rio Olympic Arena*

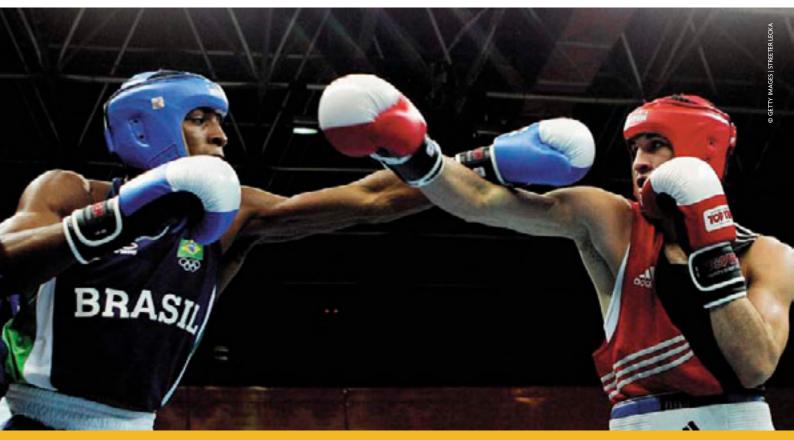
12,000







SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER
BOXE | BOXING SSS

RIOCENTRO - PAVILLON 2 | RIOCENTRO - PAVILION 2

Le Pavillon 2 du Riocentro sera le site de la boxe olympique. Il peut accueillir 9 000 spectateurs. Sa superficie de 13 000m² permettra d'y créer, dans une aire séparée, des installations réservées à l'entraînement pour les boxeurs. Riocentro est contigu au Village olympique et paralympique, donc à quelques pas de ce dernier, et à cinq minutes de marche de l'enceinte du Parc olympique de Rio, du CIRTV et du CPP.

HÉRITAGE

Riocentro continuera d'être le principal centre des expositions et des congrès de Rio, les rénovations prévues, activées en raison des Jeux, créant des bénéfices immédiats en matière de possibilités et de viabilité à long terme. Quant à la boxe brésilienne, elle héritera d'installations permanentes dans le Centre d'entraînement olympique adjacent.

Riocentro - Pavilion 2 will be the venue for Olympic Boxing. With a capacity of 9,000 seats and an overall area of 13,000m², Pavilion 2 will also accommodate all Boxing training facilities in a separate and dedicated area. Riocentro is directly adjacent to and within walking distance of the Olympic and Paralympic Village and within five minutes of Rio Olympic Park Precinct and the IBC/MPC.

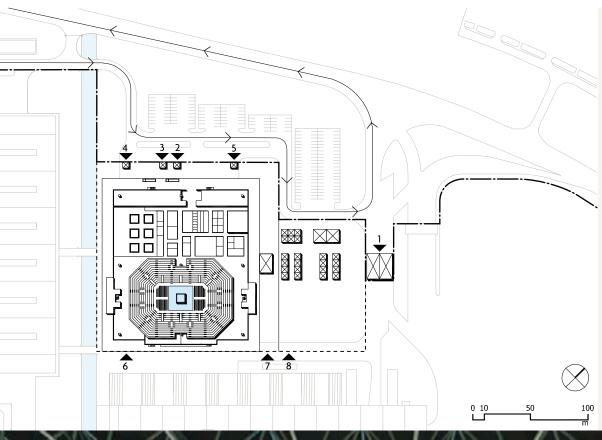
LEGACY

Riocentro will continue as Rio's premier exhibition and convention center, with planned improvements accelerated by the Games, leaving immediate benefits for improved feasibility and sustainability. Boxing will have permanent training facilities at the adjacent Olympic Training Center ensuring a legacy for Boxing in Brazil.

CARACITÉ DIA COLIFIA	CARACITY
CAPACITÉ D'ACCUEIL	CAPACITY

Pavillon 2 Pavilion 2	9,000

	DEODORO MARA	CANÃ	DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
	The street of th	Village Village	2 KM	5 MIN.
500	IBC MPC OV, IIIIIIIIIIIIII	CIRTV/CPP IBC/MPC	2 KM	5 MIN.
	BARRA COPACA	Hôtels Principaux Main Hotels	32 KM	40 MIN.



- Poste de Contrôle Accrédité
 Accredited Checkpoint
- •••• Périmètre Accrédité
- Route de Transport Accréditée

 Accredited Transport Route
- —-— Périmètre de sécurité
 Secure Perimeter
- - Périmètre des Sites Venue Perimeter
- 1 Poste d'Entrée de Véhicules Vehicle Entry Point
- 2 Entrée des Athlètes Athlete Entry
- 3 Entrée des Officiels Techniques
- Technical Official Entry

 4 Entrée de la Famille des Jeux
- Games Family Entry

 5 Entrée des Médias
- Media Entry
- 6 Entrée des Spectateurs Spectator Entry
- 7 Entrée des Sponsors Sponsor Entry
- 8 Entrée de la Main-d'oeuvre Workforce Entry



SPORT ET SITES



RIOCENTRO - PAVILLON 3 | RIOCENTRO - PAVILION 3

Le Pavillon 3 du Riocentro sera le site du tennis de table olympique et paralympique. Pour les Jeux Olympiques, un concept unique sera introduit pour le tennis de table, avec un court central pouvant accueillir 5 000 personnes et conçu pour créer une atmosphère exceptionnelle pour les joueurs comme pour les spectateurs. Sa superficie totale de 25 000m² permettra également d'y organiser toutes les séances d'entraînement de tennis de table. Il est à quelques pas du Village olympique et paralympique, qui lui est contigu, et à cinq minutes de marche de l'enceinte du Parc olympique de Rio, du CIRTV et du CPP.

HÉRITAGE

Riocentro continuera d'être le principal centre des expositions et des congrès de Rio, les rénovations prévues, activées en raison des Jeux, créant des bénéfices immédiats en matière de possibilités et de viabilité à long terme. Quant au tennis de table brésilien, il héritera d'installations permanentes dans le Centre d'entraînement olympique (CEO) adjacent.

Riocentro - Pavilion 3 will be the venue for Olympic and Paralympic Table Tennis. For the Olympic Games, a unique concept will be introduced for Table Tennis with a 5,000 seat Center Court designed to provide an outstanding atmosphere for both athletes and spectators. With an overall size of 25,000m², Riocentro - Pavilion 3 will also accommodate all Table Tennis training. It is within walking distance of the adjacent Olympic and Paralympic Village and within five minutes of Rio Olympic Park Precinct and the IBC/MPC.

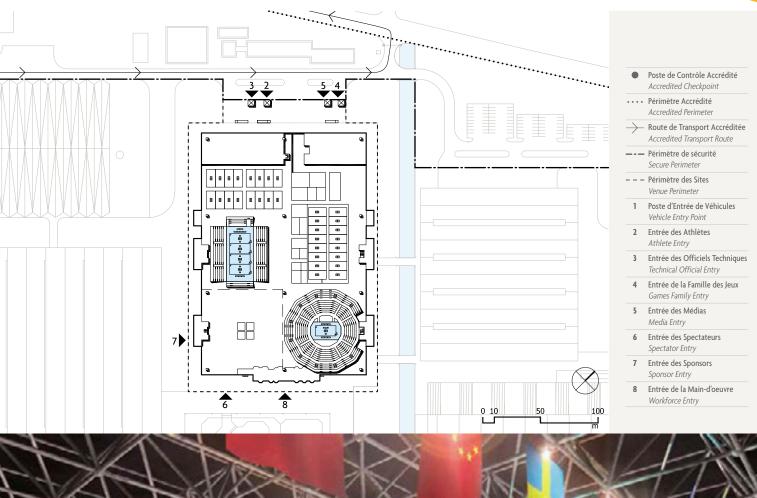
LEGACY

Riocentro will continue as Rio's premier exhibition and convention center, with planned improvements being accelerated by the Games leaving immediate benefits for improved feasibility and sustainability. Table Tennis will have permanent training facilities at the adjacent Olympic Training Center (OTC) ensuring a legacy for Table Tennis in Brazil.

CAPACITÉ CAPACITY

Court Central Center Court	5,000
Court Preliminaires Preliminaries Court	2,000

	DEODORO MARACANÃ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
	O. Indiana	Village Village	2 KM	5 MIN.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IBC MPC OV. INTRINGUE	CIRTV/CPP IBC/MPC	2 KM	5 MIN.
	BARRA COPACABANA	Hôtels Principaux Main Hotels	32 KM	40 MIN.





SPORT ET SITES



NOYAU DE BARRA | BARRA CLUSTER
HALTÉROPHILIE | WEIGHTLIFTING SSS HALTÉROPHILIE | POWERLIFTING (

RIOCENTRO - PAVILLON 6 | RIOCENTRO - PAVILION 6

Le Pavillon 6 du Riocentro accueillera les épreuves d'haltérophilie olympique et de haltérophilie paralympique. Ce stade couvert temporaire construit pour l'occasion a une capacité de 6 500 places. Sa superficie totale de 14 000m² permettra également d'y organiser toutes les séances d'entraînement d'haltérophilie et de haltérophilie. Riocentro est à quelques pas du Village olympique et paralympique et à cinq minutes de marche de l'enceinte du Parc olympique de Rio, du CIRTV et du CPP.

HÉRITAGE

Riocentro continuera d'être le principal centre des expositions et des congrès de Rio, les rénovations prévues, activées en raison des Jeux, créant des bénéfices immédiats en matière de possibilités et de viabilité à long terme. Quant à l'haltérophilie et à la dynamophilie brésiliennes, elles hériteront d'installations permanentes dans le Centre d'entraînement olympique (CEO) adjacent.

Riocentro – Pavilion 6 will host Olympic Weightlifting and Paralympic Powerlifting. A purpose built temporary indoor stadium at Riocentro with a capacity of 6,500. with an area of 14,000m², Pavilion 6 will also accommodate all Weightlifting and Powerlifting training facilities. Riocentro is located within walking distance of the Olympic and Paralympic Village and within five minutes of the Rio Olympic Park Precinct and the IBC/MPC.

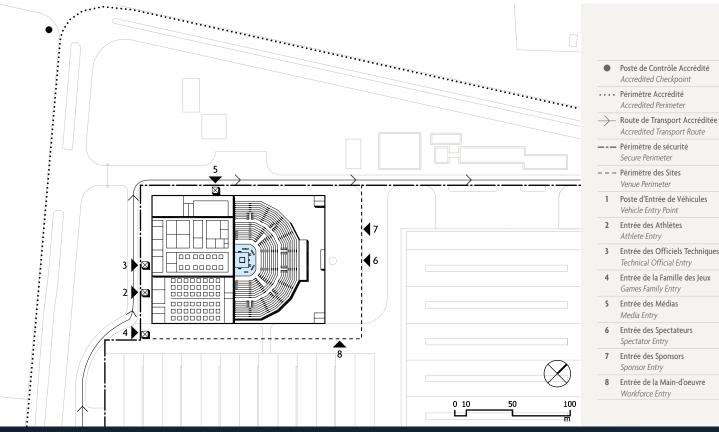
LEGACY

Riocentro will continue as Rio's premier exhibition and convention center, with planned improvements being accelerated by the Games leaving immediate benefits for improved feasibility and sustainability. Weightlifting and Powerlifting will have permanent training facilities at the adjacent Olympic Training Center (OTC), ensuring a legacy in Brazil.

CAPACITÉ D'ACCUEIL	CAPACITY

Pavillon 6 Pavilion 6	6,500
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Entrée des Officiels Techniques



SPORT ET SITES



RIOCENTRO - PAVILLON 4 | RIOCENTRO - PAVILION 4

Le Pavillon 4 du Riocentro sera le site du badminton olympique et pourra accueillir 6 500 spectateurs. Il a une hauteur intérieure de 12 mètres et est pourvu d'un système de climatisation à basse pression. Sa superficie totale de 25 000m² permettra également d'y organiser toutes les séances d'entraînement de badminton. Il est à quelques pas du Village olympique et paralympique, qui lui est contigu, et à cinq minutes de marche de l'enceinte du Parc olympique de Rio, du CIRTV et du CPP.

HÉRITAGE

Riocentro continuera d'être le principal centre des expositions et des congrès de Rio, les rénovations prévues, activées en raison des Jeux, créant des bénéfices immédiats en matière de possibilités et de viabilité à long terme. Quant au badminton brésilien, il héritera d'installations permanentes dans le Centre d'entraînement olympique adjacent.

Riocentro - Pavilion 4 will be the venue for Olympic Badminton with a capacity of 6,500 spectators. Pavilion 4 has an internal height of 12m and a low velocity air conditioning system. With an overall area of 25,000m², the venue will also accommodate all Badminton training. It is within walking distance of the adjacent Olympic and Paralympic Village and within five minutes of the Rio Olympic Park Precinct and the IBC/MPC.

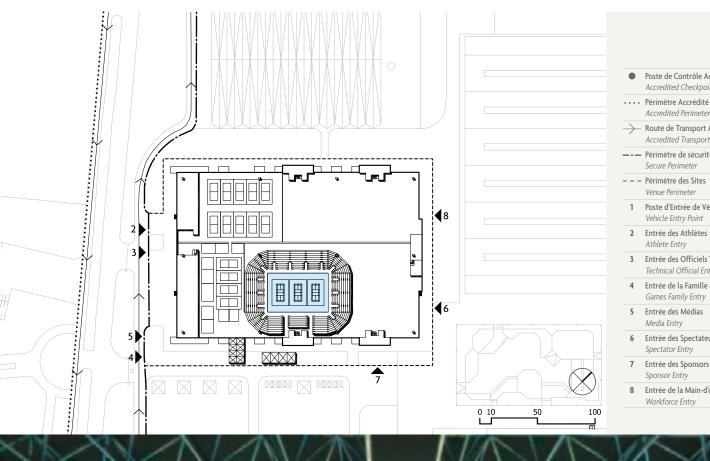
LEGACY

Riocentro will continue as Rio's premier exhibition and convention center with planned improvements being accelerated by the Games leaving immediate benefits for improved feasibility and sustainability. Badminton will have permanent training facilities at the adjacent Olympic Training Center ensuring a legacy for Badminton in Brazil.

CAPACITÉ D'ACCUEIL	CAPACITY
CALACITE D'ACCOLIL	CALACILI

Pavillon 4 Pavilion 4	6,500
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- Poste de Contrôle Accrédité Accredited Checkpoint
- · · · · Périmètre Accrédité
- Route de Transport Accréditée Accredited Transport Route
- Périmètre de sécurité
- Périmètre des Sites
- 1 Poste d'Entrée de Véhicules
- Entrée des Officiels Techniques Technical Official Entry
- Entrée de la Famille des Jeux Games Family Entry
- Entrée des Spectateurs Spectator Entry
- Entrée de la Main-d'oeuvre Workforce Entry













SITES OLYMPIQUES DE ZONE | ZONE OLYMPIC VENUES

AVIRON

CANOË/KAYAK (Course en ligne) CANOE/KAYAK (Flatwater)

VOLLEYBALL (Plage) VOLLEYBALL (Beach)

SPORTS AQUATIQUES (Marathon) AQUATICS (Marathon Swimming)

TRIATHLON TRIATHLON

VOILE SAILING

ATHLÉTISME (Marche) ATHLETICS (Race Walk)

CYCLISME (Route) CYCLING (Road)

SITES PARALYMPIQUES DE ZONE | ZONE PARALYMPIC VENUES

AVIRON

VOILE

ATHLÉTISME (Marathon) ATHLETICS (Marathon)

CYCLISME (Route) CYCLING (Road)

LÉGENDES DES SITES | VENUES CAPTIONS

Sites Olympiques Olympic Venues



Sites Paralympiques Paralympic Venues

Zone de Copacabana, avec ses plages, ses montagnes et ses célèbres icônes, y compris le Mont du Pain de sucre (Pão de Açúcar) et Corcovado, sera un emplacement spectaculaire pour les épreuves en plein air. Le volleyball (plage), les sports aquatiques (marathon) et le triathlon se dérouleront sur la plage de Copacabana, l'aviron et le canoë/kayak (course en ligne) à Lagoa Rodrigo de Freitas, le cyclisme (route) et l'athlétisme (marche) au Parc de Flamengo et la voile à Marina da Glória. Avec environ 2 millions d'habitants dans cette région de la ville, toutes les épreuves recevront le soutien de grandes foules pendant toute la période des Jeux.

HÉRITAGE

La réhabilitation et la protection de l'environnement de cette zone, y compris des baies et autres cours d'eau, sont des priorités pour la ville. Le plan directeur de Rio 2016 soutiendra les initiatives stratégiques faisant partie de cette réhabilitation.

The Copacabana Zone, with its beaches, mountains and famous icons including Sugar Loaf and Corcovado, will be a spectacular location for outdoor events. Volleyball (Beach), Aquatics (Marathon Swimming) and Triathlon will be located at Copacabana Beach, Rowing and Canoe/Kayak (Flatwater) at Lagoa Rodrigo de Freitas, Cycling (Road) and Athletics (Race Walk) at Flamengo Park and Sailing at Marina da Glória . With approximately 2 million inhabitants in this region of the city, all events will be supported by significant crowds throughout the Games.

The remediation and protection of the unique environmental assets of this zone, including the bays and other waterways, is a priority of the city. The Rio 2016 Master Plan will support the strategic initiatives involved with this remediation.

SPORT ET SITES



LAGOA RODRIGO DE FREITAS | LAGOA RODRIGO DE FREITAS

AVIRON | ROWING & CANOË/KAYAK (COURSE EN LIGNE) | CANOE/KAYAK (FLATWATER) &

Lagoa Rodrigo de Freitas sera le site de l'aviron olympique et paralympique, et du canoë/kayak olympique (course en ligne). Le site se trouve au centre de Rio, dans le cadre spectaculaire des montagnes, de la forêt de Tijuca et de la statue du Christ le rédempteur à Corcovado. Il est à dix minutes des hôtels et des plages de Copacabana et de Ipanema. Une caractéristique de sa conception sera l'installation d'un ponton temporaire de 10 000 places, garantissant une bonne ambiance dans la zone d'arrivée.

HÉRITAGE

En tant site que traditionnel pour l'aviron et le canoë à Rio, la modernisation proposée du site laissera un héritage important, qui inclura l'hébergement des athlètes qui s'y entraînent et des installations rénovées, y compris une nouvelle tour d'arrivée et un nouveau hangar. Les clubs locaux et la Fédération Nationale qui utilisent le site bénéficieront énormément de sa modernisation.

Lagoa Rodrigo de Freitas will be the venue for Olympic and Paralympic Rowing and Olympic Canoe/Kayak (Flatwater). The venue is located in the heart of Rio with a spectacular backdrop of mountains, the Tijuca Forest and Christ the Redeemer statue at Corcovado. It is within ten minutes of the hotels and beaches of Copacabana and Ipanema. A feature of the design will be the installation of a temporary pontoon with 10,000 seats ensuring a great atmosphere in the finish zone.

LEGACY

14,000

As the traditional home of Rowing and Canoeing in Rio, the proposed venue upgrade will leave an important legacy which will include accommodation for athlete training and renovated facilities including a new finish tower and boatshed. The local clubs and National Federation that use the venue will benefit significantly from the enhancements.

CAPACITÉ	D'ACCUEIL	CAPACITY
CALACITE	DACCOLIL	CALACITI

Lagoa Rodrigo de Freitas | Lagoa Rodrigo de Freitas

DEODORO MARACANÁ

Village

Vil

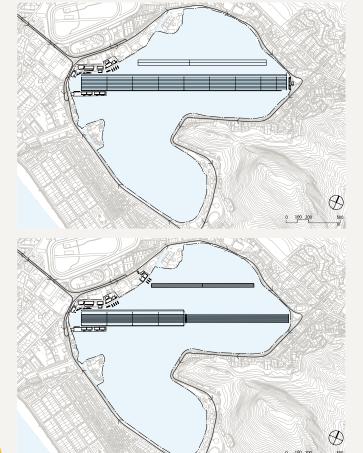


SPORT ET SITES

SUITE CONTINUED

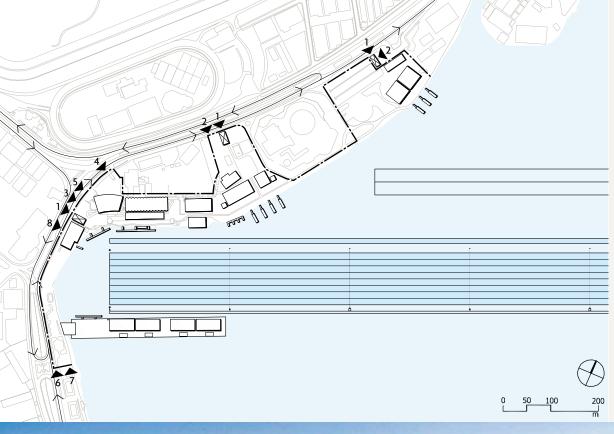
AVIRON | ROWING 💖 🌜 CANOË/KAYAK (COURSE EN LIGNE) | CANOE/KAYAK (FLATWATER) 💖





Aviron Parcours *Rowing Course*

Canoë/Kayak (course en ligne) Parcours Canoe/Kayak (flatwater) Course



- Poste de Contrôle Accrédité
 Accredited Checkpoint
- •••• Périmètre Accrédité
- Route de Transport Accréditée

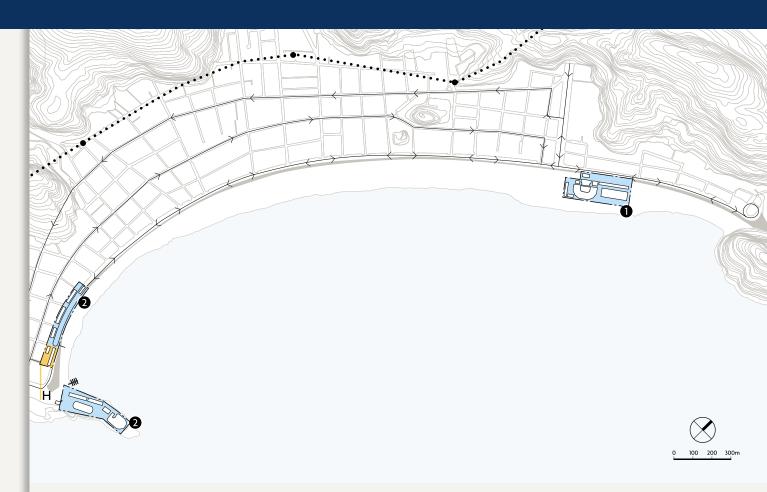
 Accredited Transport Route
- --- Périmètre de sécurité
 Secure Perimeter
- - Périmètre des Sites Venue Perimeter
- 1 Poste d'Entrée de Véhicules Vehicle Entry Point
- 2 Entrée des Athlètes
- Athlete Entry
- 3 Entrée des Officiels Techniques Technical Official Entry
- 4 Entrée de la Famille des Jeux Games Family Entry
- 5 Entrée des Médias
- 6 Entrée des Spectateurs Spectator Entry
- 7 Entrée des Sponsors Sponsor Entry
- 8 Entrée de la Main-d'oeuvre Workforce Entry

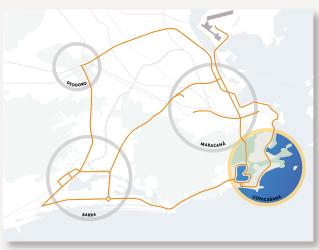




B2 NOYAU DE LA PLAGE DE COPACABANA | *COPACABANA BEACH CLUSTER*







- --- Périmètre de Sécurité
 Secure Perimeter
- Voie de Transport Accréditée
 Accredited Transport Route
- •••• Transport Public Métro Public Transport – Metro
- A Terminal de Transport Public
- B Zones de Stationnement Parking Areas
- C Aire de Radio et Télédiffusion Broadcast Compounds
- D Aire d'Opération
 Operational Compounds
- E Place des Spectateurs
- F Live Site
- G Hospitalité des Sponsors
- H Installations des Athlètes Athletes Facilities
- 1 Stade de Copacabana Copacabana Stadium
- 2 Fort de Copacabana Fort Copacabana

SITES DE COMPÉTITION COMPETITION VENUES

FORT DE COPACABANA Sports Aquatiques (Marathon) Triathlon

FORT COPACABANA Aquatics (Marathon Swimming) Triathlon

STADE DE COPACABANA Volleyball (Plage)

COPACABANA STADIUM Volleyball (Beach)

INFRASTRUCTURE DE TRANSPORT TRANSPORT INFRASTRUCTURE

Autoroute Aterro/Avenue Flamengo Motorway Aterro/Avenue Flamengo

Artère Urbaine Avenues des Plages de la Zone Sud

Major Urban Arterial South Zone Beach Avenues

. Subway Metro Line 1 Métro ... 19

ROUTES D'ACCÈS ET PÉRIMÈTRES ACCESS ROUTES & PERIMETERS

Périmètre de sécurité Secure perimeter

VOIE SPÉCIALE Utilisée par les véhicules de la FO pendant les compétitions de Sports Aquatiques (Marathon), Athletisme (Marathon), Cyclisme (Route) et Triathlon

SPECIAL ROUTE Used by OF vehicles only during Sports Aquatics (Marathon Swimming), Athletics (Marathon), Cycling (Road) and Triathlon.

Entrée publique

Spectator entry

Routes d'accès publiques

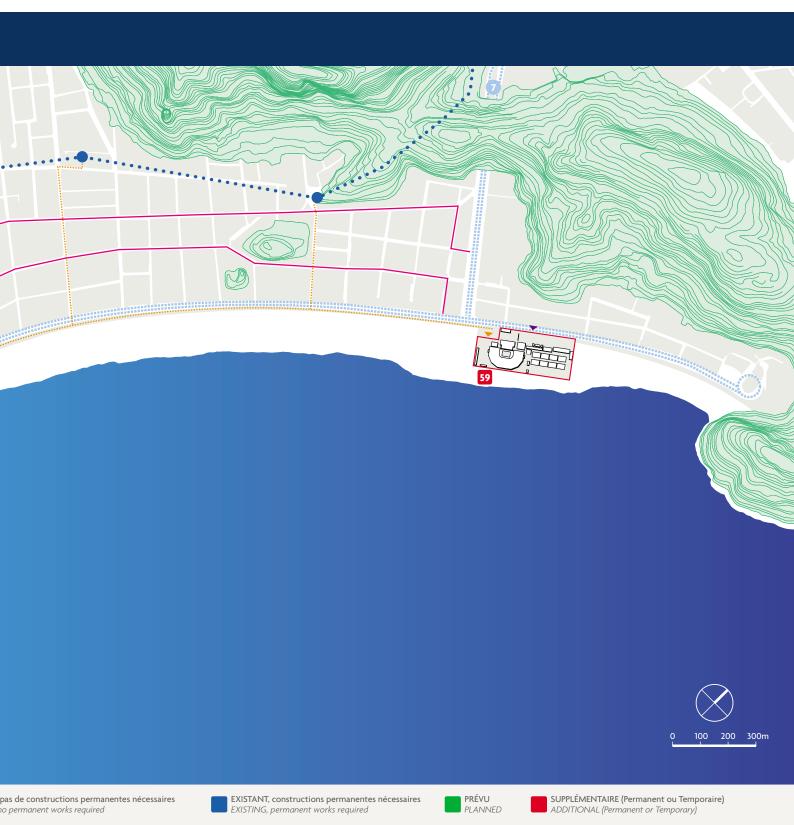
Public access route

Entrée avec accréditation

Accredited entry

Routes d'accès avec accréditation ----- Accredited access route





SPORT ET SITES



STADE DE COPACABANA | COPACABANA STADIUM

La plage de Copacabana sera le site du le volleyball olympique (plage). Le site sera un stade temporaire au nord de la plage, sur un emplacement régulièrement utilisé pour de grandes compétitions et d'une largeur requise pour un stade de 12 000 places. Le cadre spectaculaire créera une ambiance spéciale pour les athlètes et les spectateurs sur l'un des sites le plus exceptionnels et dynamiques de Rio.

HÉRITAGE

Puisque le stade temporaire sera enlevé après les Jeux, il n'y a pas d'héritage spécifique lié à l'installation. Dans un sens beaucoup plus large, l'opportunité de participation offerte à la communauté sur ce site est importante et en fera un site de grands événements pour les sports en plein air, ainsi qu'une destination pour le divertissement, dans la logique du mode de vie sain pour lequel Rio est célèbre.

Copacabana Beach will be the location for Olympic Volleyball (Beach). The venue will be a temporary stadium at the north end of the beach, in a location regularly used for major competitions with the required width for a 12,000 seat stadium. The spectacular backdrops will provide a special atmosphere for athletes and spectators in one of Rio's most exciting and vibrant locations.

LEGACY

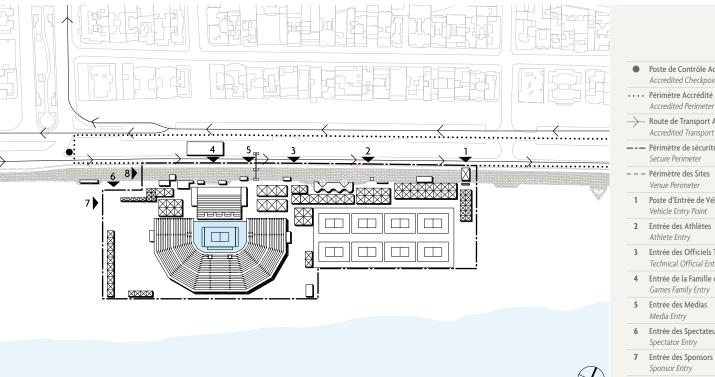
As the temporary stadium will be removed following the Games, there is no specific legacy related to the installation. In a broader sense the community engagement opportunity at this venue is significant and will reinforce a major event site for outdoor sports and a recreational destination aligned to the healthy lifestyle for which Rio is famous.

CARACITÉ DIA COLIFIA	CARACITY
CAPACITÉ D'ACCUEIL	CAPACITY

Stade de Copacabana | Copacabana Stadium

12,000

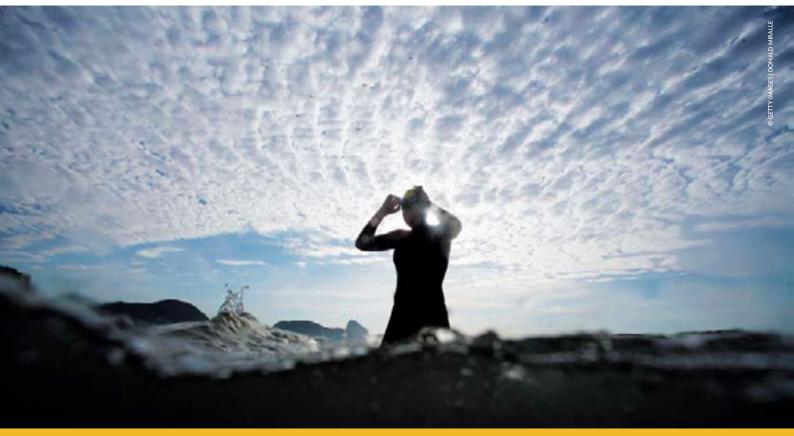
DEODORO MARACANÃ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
and the state of t	Village Village	35 KM	45 MIN.
IBC MPC OV, June 1997	CIRTV/CPP IBC/MPC	32 KM	40 MIN.
BARRA COPACABANA	Hôtels Principaux Main Hotels	3 KM	5 MIN.



- Poste de Contrôle Accrédité Accredited Checkpoint
- > Route de Transport Accréditée Accredited Transport Route
- Périmètre de sécurité
- Périmètre des Sites
- 1 Poste d'Entrée de Véhicules Vehicle Entry Point
- Entrée des Athlètes
- Entrée des Officiels Techniques Technical Official Entry
- Entrée de la Famille des Jeux Games Family Entry
- 5 Entrée des Médias
- 6 Entrée des Spectateurs Spectator Entry
- Entrée des Sponsors
- Entrée de la Main-d'oeuvre Workforce Entry



SPORT ET SITES



NOYAU DE LA PLAGE DE COPACABANA | COPACABANA BEACH CLUSTER SPORTS AQUATIQUES (MARATHON) | AQUATICS (MARATHON SWIMMING)

FORT DE COPACABANA | FORT COPACABANA

Le Fort de Copacabana est le site désigné pour les sports aquatiques olympiques (marathon). Le parcours est situé en eaux calmes protégées par le cap du Fort de Copacabana, qui donne sur des vues spectaculaires au nord de la plage. Cinq mille places temporaires seront installées sur le cap, garantissant des vues fantastiques de l'ensemble du parcours.

HÉRITAGE

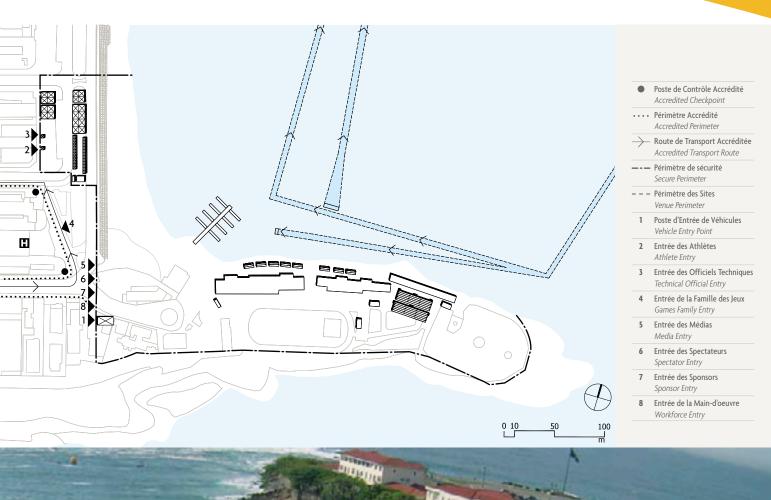
Bien que ce site soit temporaire, quelques rénovations seront faites à l'intérieur du fort. Une nouvelle jetée sera construite pour soutenir les opérations des Jeux, ce qui constituera un héritage important pour la plage de Copacabana et les divers services d'urgence qui opèrent à partir de cette zone.

Fort Copacabana is the venue for Olympic Aquatics (Marathon Swimming). The course is located in calm waters sheltered by the headland of Fort Copacabana, which is elevated with spectacular views to the north of the beach. Five thousand temporary seats will be installed on the headland ensuring fantastic views of the entire course.

LEGACY

While the venue is primarily temporary, some renovations within the Fort will be undertaken. A new pier will be constructed to support Games operations, providing a valuable legacy for Copacabana Beach and the various emergency services operating from this area.

CARACITÉ DIA COLIFIA	CARACITY
CAPACITÉ D'ACCUEIL	CAPACITY



SPORT ET SITES



NOYAU DE LA PLAGE DE COPACABANA | COPACABANA BEACH CLUSTER
TRIATHLON | TRIATHLON SS

FORT DE COPACABANA | FORT COPACABANA

Le Fort de Copacabana est le site désigné pour le triathlon olympique. Situé au sud de la plage de Copacabana, ce site est régulièrement utilisé pour les compétitions internationales de triathlon. Le parcours de la phase de natation est situé en eaux calmes protégées par le cap. Les parcours de phases de course et de vélo s'étendent le long de la plage, garantissant une grande ambiance de la part des milliers de spectateurs. Cinq mille places temporaires seront construites le long de Avenida Atlântica, en face de la plage.

HÉRITAGE

Bien que ce site soit temporaire, quelques rénovations seront faites à l'intérieur du fort. Une nouvelle jetée sera construite pour soutenir les opérations des Jeux, ce qui constituera un héritage important pour la plage de Copacabana et les divers services d'urgence qui opèrent à partir de cette zone.

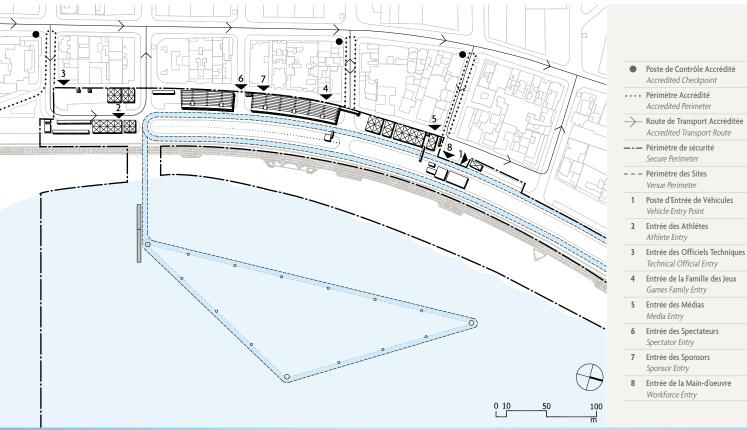
Fort Copacabana is the venue for the Olympic Triathlon. Located at the south end of Copacabana Beach, this location is regularly used for international Triathlon competitions. The swim course is located in calm waters sheltered by the headland. The run and cycle courses extend along the beachfront, ensuring a vibrant atmosphere will be created by many thousands of spectators. Five thousand temporary seats will be constructed along Avenida Atlântica facing the beachfront.

LEGACY

While the venue is primarily temporary, some renovations within the Fort will be undertaken. A new pier will be constructed to support Games operations, providing a valuable legacy for Copacabana Beach and the various emergency services operating from this area.

CAPACITÉ	D'ACCUEIL	CAPACITY







SPORT ET SITES

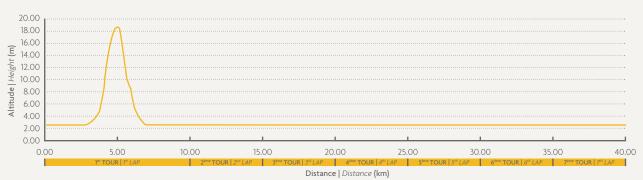
> SUITE CONTINUED
TRIATHLON | TRIATHLON %



PARCOURS DU TRIATHLON | TRIATHLON COURSE

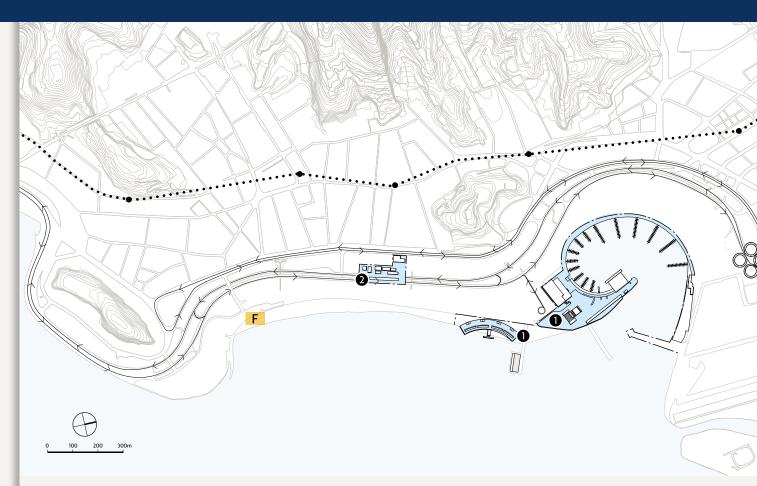


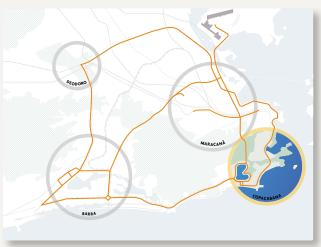
TRIATHLON (CYCLISME) – ÉLÉVATION | TRIATHLON (CYCLING) – ELEVATION



B3 NOYAU DU PARC DE FLAMENGO | *FLAMENGO PARK CLUSTER*







- --- Périmètre de Sécurité Secure Perimeter
- → Voie de Transport Accréditée Accredited Transport Route
- · · · · Transport Public Métro Public Transport – Metro
- Terminal de Transport Public Public Transport Terminal
- B Zones de Stationnement

Parking Areas

- C Aire de Radio et Télédiffusion Broadcast Compounds
- D Aire d'Opération
- Place des Spectateurs Spectator Plaza
- F Live Site Live Site
- G Hospitalité des Sponsors Sponsor Hospitality
- H Installations des Athlètes
- 1 Marina da Glória Marina da Glória
- 2 Parc de Flamengo Flamengo Park

SITES DE COMPÉTITION COMPETITION VENUES

PARC DE FLAMENGO Athlétisme (Marche) Cyclisme (Route)

FLAMENGO PARK Athletics (Race Walk) Cycling (Road)

MARINA DA GLÓRIA Voile

MARINA DA GLÓRIA Sailing

INFRASTRUCTURE DE TRANSPORT TRANSPORT INFRASTRUCTURE

Autoroute Aterro/Avenue Flamengo Aterro/Avenue Flamengo

Métro Ligne 1 ... 19 .. Subway
Metro Ligne 1

ROUTES D'ACCÈS ET PÉRIMÈTRES ACCESS ROUTES & PERIMETERS

Périmètre de sécurité Secure perimeter

VOIE SPÉCIALE Utilisée par les véhicules de la FO pendant les compétitions d'Athletisme (Marche et Marathon) et de Cyclisme (Route)

SPECIAL ROUTE Used by OF vehicles only during Athletics (Marathon and Race Walk) and Cycling (Road).

Entrée publique



Spectator entry

Routes d'accès publiques

Public access routes

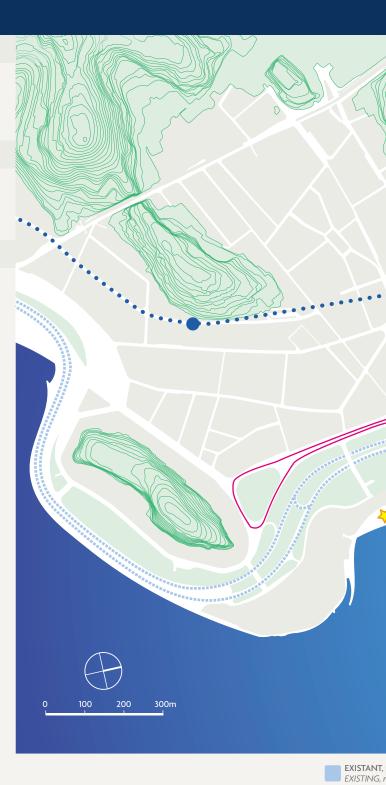
Entrées avec accréditation

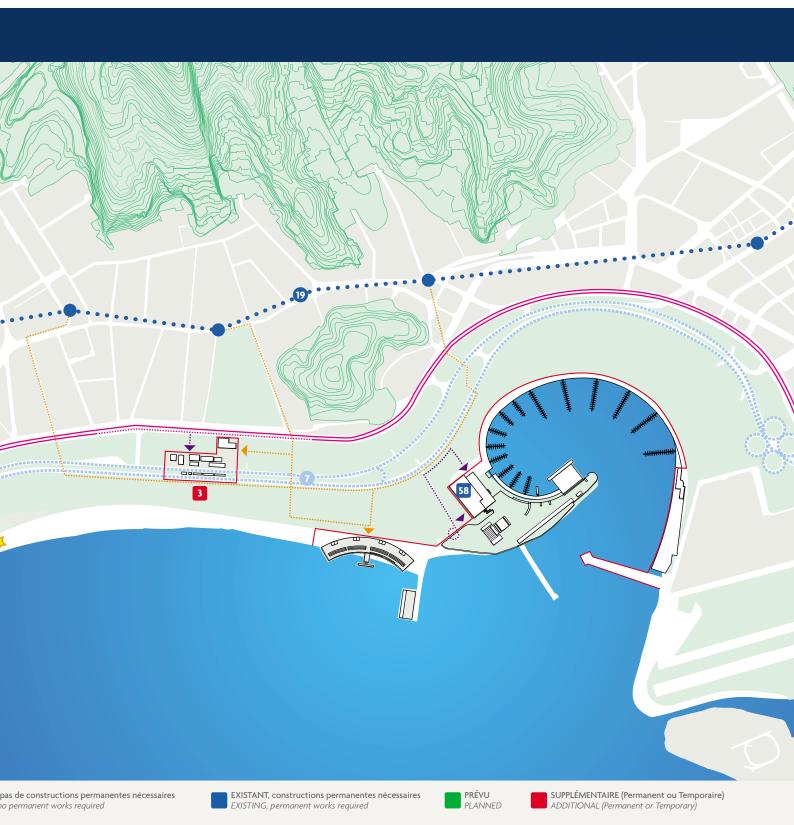
Accredited entries

Routes d'accès avec accréditation ----- Accredited access routes

Live Site

Live Site





SPORT ET SITES



NOYAU DU PARC FLAMENGO | FLAMENGO PARK CLUSTEF

MARINA DA GLÓRIA | MARINA DA GLÓRIA

La Marina da Glória sera le site des compétitions olympiques et paralympiques de voile. Le site est situé à proximité du centre de la ville dans le Parc de Flamengo, endroit d'exception avec une vue splendide du Pain de Sucre et du Corcovado. Une particularité d'intérêt est l'incorporation d'un stade temporaire de 10 000 places sur la plage de Flamengo, directement en face du parcours de match proposé.

HÉRITAGE

Le site subira d'importantes renovations avant les Jeux de 2016, y compris le développement d'une nouvelle zone de compétition, et l'ajout d'un nouveau pavillon d'exposition attenant au bloc administratif existant. Ces modifications permettront de disposer d'un site amélioré pour la pratique de la voile et des opportunités pour le long terme, et il pourra être adapté pour de nombreux autres événements nautiques.

Marina da Glória will be the venue for Olympic and Paralympic Sailing. The venue is located near the center of the city in Flamengo Park, with the picturesque backdrops of Sugar Loaf Mountain and Corcovado providing a wonderful stage. An exciting feature is the incorporation of a temporary 10,000 seat stadium on Flamengo Beach directly in front of the proposed gold medal course.

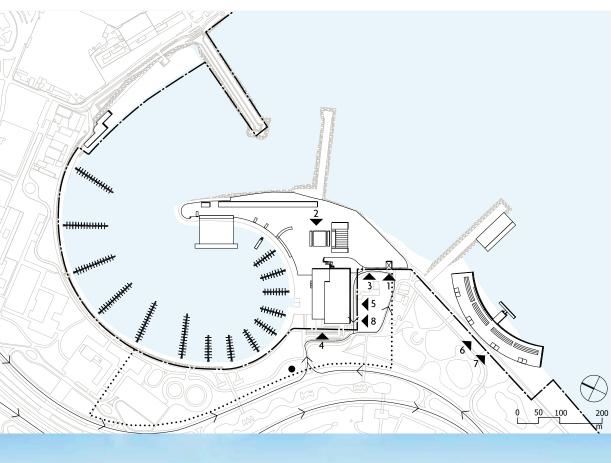
LEGACY

Prior to the 2016 Games, the venue will undergo extensive permanent renovations, including the development of a new competition area and the addition of a new exhibition pavilion adjacent to the existing administration block. These modifications will provide enhanced sailing facilities and opportunities in the longer term, and may be adapted for many other on-water events.

CAPACITÉ D'ACCUEIL CAPA	CITY

Stade de Voile | Sailing Stadium 10,000

DEODORO MARACANÃ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
and a state of the	Village Village	42 KM	50 MIN.
IBC MPC OV. AUTHORITY	CIRTV/CPP IBC/MPC	39 KM	50 MIN.
BARRA COPACABANA	Hôtels Principaux Main Hotels	10 KM	10 MIN.



- Poste de Contrôle Accrédité
 Accredited Checkpoint
- • Périmètre Accrédité
- Route de Transport Accréditée Accredited Transport Route
- —-— Périmètre de sécurité
 Secure Perimeter
- - Périmètre des Sites Venue Perimeter
- 1 Poste d'Entrée de Véhicules Vehicle Entry Point
- 2 Entrée des Athlètes Athlete Entry
- 3 Entrée des Officiels Techniques Technical Official Entry
- 4 Entrée de la Famille des Jeux Games Family Entry
- 5 Entrée des Médias Media Entry
- **6** Entrée des Spectateurs Spectator Entry
- 7 Entrée des Sponsors Sponsor Entry
- 8 Entrée de la Main-d'oeuvre Workforce Entry



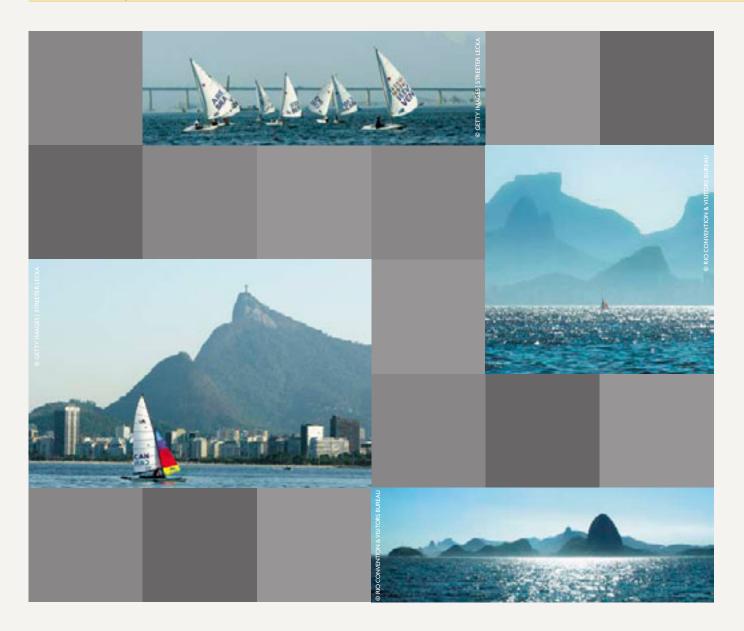
SPORT ET SITES

SUITE CONTINUED
VOILE | SAILING (C)





PARCOURS DU VOILE | SAILING COURSE



VOILE – COORDONNÉES GÉOGRAPHIQUES DES PARCOURS SAILING – GEOGRAPHIC COORDINATES OF THE RACING AREAS

ZONE DE RÉGATE RACE AREA	COORDONNÉES PARCOURS COORDINATE OF THE COURSE CENTRE	RAYON RADIUS
1	22° 58.47′ S 43° 08.00′ W	0.75 Milles Nautiques Nautical Miles
2	22° 58.17′ S 43° 06.21′ W	0.75 Milles Nautiques Nautical Miles
3	22° 53.01′ S 43° 09.12′ W	0.60 Milles Nautiques Nautical Miles
4	22° 55.19′ S 43° 08.52′ W	0.60 Milles Nautiques Nautical Miles
5	22° 55.43′ S 43° 09.53′ W	0.40 Milles Nautiques Nautical Miles

SPORT ET SITES



NOYAU DU PARC FLAMENGO | FLAMENGO PARK CLUSTER

CYCLISME (ROUTE) | CYCLING (ROAD)

ATHLÉTISME | ATHLETICS (MARCHE | RACE WALK)

(MARATHON)

(MARATHON)

5,000

PARC DE FLAMENGO | FLAMENGO PARK

Le Parc de Flamengo est le site proposé pour le cyclisme olympique et paralympique (route), l'athlétisme olympique (marche) et l'athlétisme paralympique (marathon). Il est situé près du célèbre Pain de Sucre (Pão de Açúcar), et s'étend le long des rives des baies de Botafogo et de Guanabara, donnant un cadre dramatique à ces épreuves. Le parcours du cyclisme (route) a été conçu en mettant l'accent sur son exigence technique, et comprend les plages et les parcs de la zone de Copacabana, où plusieurs milliers de spectateurs pourront assister à l'événement.

HÉRITAGE

Le site du Parc de Flamengo sera totalement temporaire, mais les Jeux continueront la tradition du parc et de la zone sud de la ville en accueillant des épreuves majeures sur route et en suscitant l'intérêt des communautés locales dans le sport et les activités de loisirs.

Flamengo Park is the proposed venue for Olympic and Paralympic Cycling (Road) and Olympic Athletics (Race Walk) and Paralympic Athletics (Marathon). Flamengo Park is located close to the famous Sugarloaf Mountain, and stretches along the shores of Botafogo and Guanabara Bays, providing a dramatic backdrop for these events. The courses for Cycling (Road) have been designed to ensure they are technically challenging and include the beaches and parks of the Copacabana area, where many thousands of spectators will enjoy the event.

LEGACY

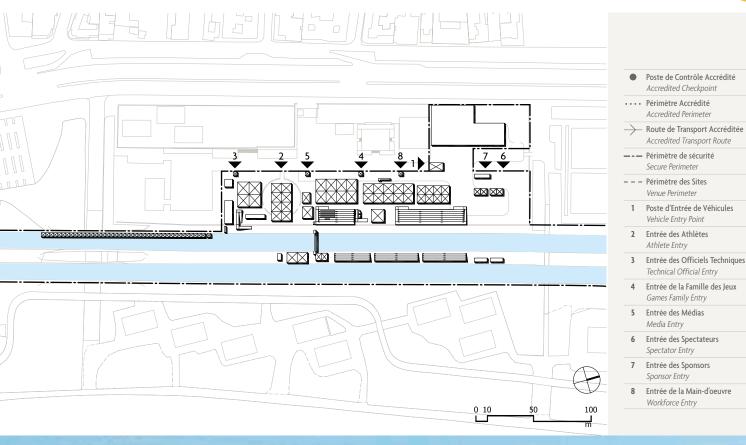
The Flamengo Park venue will be fully temporary, but the Games will continue the tradition of Flamengo Park and the city's southern zone are in hosting major road events and engaging the local communities into sport and leisure activities.

CAPACITÉ CAPACITY

Places Assises Temporaires | Temporary Seating

DEODORO MARACANÁ

Village
Vill





SPORT ET SITES

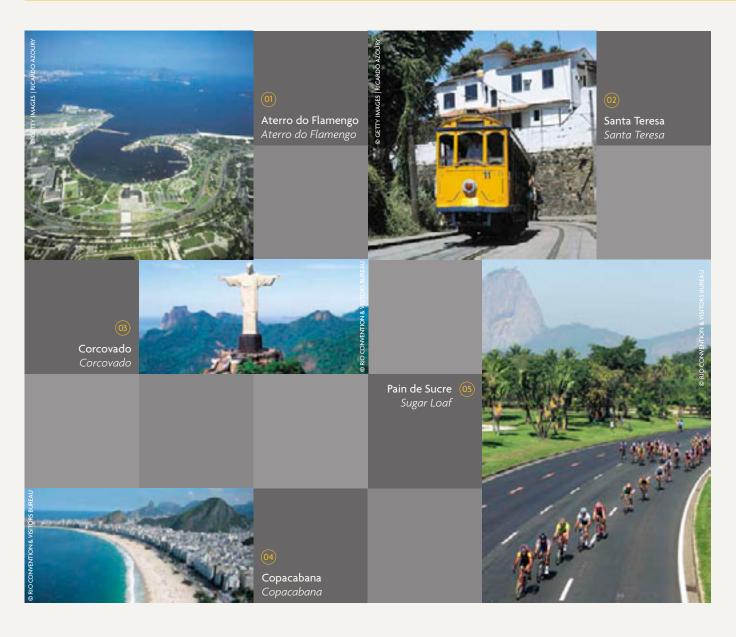
SUITE CONTINUED

CYCLISME (ROUTE) | CYCLING (ROAD)



9

PARCOURS DU CYCLISME | CYCLING COURSE



PARCOURS DU CYCLISME ROUTE – ÉLÉVATION ROAD RACE COURSE – ELEVATION



PARCOURS DU CONTRE-LA-MONTRE – ÉLÉVATION TIME TRIAL COURSE – ELEVATION



SPORT ET SITES









ZONE DE MARACANĂ | MARACANĂ ZONE

SITES OLYMPIQUES DE ZONE | ZONE OLYMPIC VENUES



FOOTBALL FOOTBALL



VOLLEYBALL VOLLEYBALL



ahtlétisme (marathon) *athletics (marathon)*



TIR À L'ARC *ARCHERY*



ATHLÉTISME ATHI FTICS

SITES PARALYMPIQUES DE ZONE | ZONE PARALYMPIC VENUES



TIR À L'ARC ARCHERY



ATHLÉTISME ATHLETICS

LÉGENDES DES SITES | VENUES CAPTIONS



Sites Olympiques Olympic Venues



Sites Paralympiques Paralympic Venues

La zone de Maracanã accueillera cinq sports et disciplines. Les sites incluent le Stade João Havelange et la célèbre enceinte de Maracana qui accueillera les Cérémonies d'ouverture et de clôture, les matchs de football et le volleyball. Le Sambódromo, où se déroule le défilé annuel du Carnaval sera transformé en site pour le tir à l'arc et l'athlétisme (marathon), pendant la période des Jeux. La zone de Maracanã a un important corridor de trains et de métros connectant tous les sites.

La zone de Maracanã comprend certains des icônes les plus célèbres de Rio, y compris le Stade Maracanã et Sambódromo. Le port de Rio est également situé dans cette zone et constitue un élément clé dans le projet de régénération. Cette zone de la ville est une priorité dans les plans de rénovation urbaine de la municipalité et du gouvernement fédéral.

The Maracanã Zone will host five sports and disciplines. Venues include the João Havelange Stadium and the famous Maracanã Precinct which will host Opening and Closing Ceremonies, Football and Volleyball. The Sambódromo, home of the annual Carnaval parade will be transformed into a venue for Archery and Athletics (Marathon) during the Games. The Maracanã Zone has a substantial corridor of rail and metro connecting all venues.

LEGACY

The Maracanã Zone contains some of the most famous icons in Rio, including the Maracanã Stadium and Sambódromo. In addition, the Port of Rio is located in this zone and is a key city regeneration project. This area of the city has been prioritized for urban renewal by the City and Federal Governments.

SPORT ET SITES



STADE JOÃO HAVELANGE | JOÃO HAVELANGE STADIUM ATHLÉTISME | ATHLETICS

Le Stade João Havelange sera le site des compétitions d'athlétisme olympique et paralympique. Construit à l'occasion des Jeux Panaméricains de 2007, sa capacité d'accueil permanente passera de 45 000 à 60 000 places pour les Jeux Olympiques et Paralympiques. De nombreux aménagements urbains seront faits autour de l'enceinte du stade.

HÉRITAGE

Le Stade João Havelange est la propriété de la ville de Rio et sera pendant longtemps stade majeus pour les grandes compétitions d'athlétisme au Brésil. Le stade a un locataire permanent qui est club de football de Botafogo, ce qui en garanti la pleine utilisation et la viabilité à long terme. Les projets d'aménagement urbain prévus font partie d'un effort combiné à long terme de la ville et du gouvernement fédéral pour revitaliser toute la zone aux alentours du site.

João Havelange Stadium will be the venue for Olympic and Paralympic Athletics (Track and Field) competition. The stadium was constructed for the 2007 Pan American Games and its capacity will be permanently increased from 45,000 to 60,000 for the Olympic and Paralympic Games. Extensive urban improvements will be implemented around the stadium precinct.

LEGACY

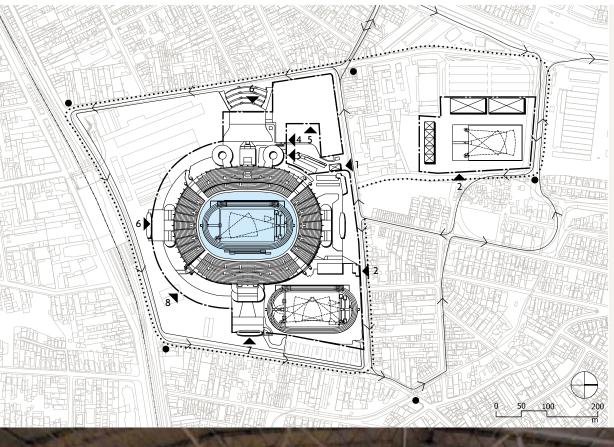
João Havelange Stadium is owned by the City of Rio and will remain the premier Athletics Stadium in Brazil for major competitions. The stadium has a permanent tenant in the Botafogo Football Club, ensuring full use and sustainability. The planned urban renewal projects are part of a combined long-term effort by the City and Federal Governments to revitalize the wider zone surrounding the venue.

CAPACITÉ D'ACCUEIL	CADACITY
CAPACITE D'ACCUEIL	CAPACITI

Stade João Havelange | João Havelange Stadium

60,000

DEODORO	MARACANÃ	1	DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
On	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Village Village	22 KM	25 MIN.
IBC MPC OV		CIRTV/CPP IBC/MPC	18 KM	20 MIN.
BARRA	COPACABANA	Hôtels Principaux Main Hotels	29 KM	35 MIN.



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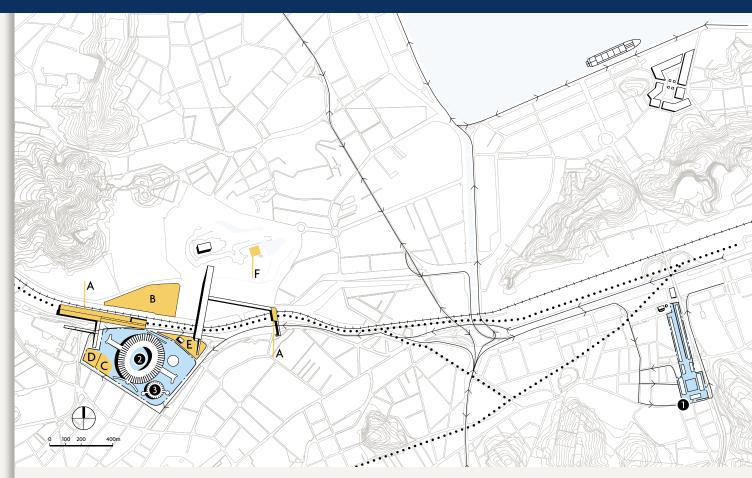
 Accredited Perimeter
- Route de Transport Accréditée Accredited Transport Route
- —-— Périmètre de sécurité
 Secure Perimeter
- - Périmètre des Sites Venue Perimeter
- 1 Poste d'Entrée de Véhicules Vehicle Entry Point
- 2 Entrée des Athlètes
- Athlete Entry
- 3 Entrée des Officiels Techniques Technical Official Entry
- 4 Entrée de la Famille des Jeux Games Family Entry
- 5 Entrée des Médias Media Entry
- **6** Entrée des Spectateurs Spectator Entry
- 7 Entrée des Sponsors Sponsor Entry
- 8 Entrée de la Main-d'oeuvre Workforce Entry





B4 NOYAU DE MARACANÃ | MARACANÃ CLUSTER







- --- Périmètre de Sécurité Secure Perimeter
- → Voie de Transport Accréditée Accredited Transport Route
- · · · · Transport Public Métro Public Transport – Metro
- Transport Public Train
- Public Transport Rail
- Terminal de Transport Public Public Transport Terminal
- Zones de Stationnement Parking Areas
- C Aire de Radio et Télédiffusion Broadcast Compounds
- D Aire d'Opération Operational Compounds
- Place des Spectateurs
- Spectator Plaza
- F Live Site
- Hospitalité des Sponsors
- H Installations des Athlètes
- Sambódromo Sambódromo
- Stade Maracanã Maracanã Stadium
- Arène Maracanãzinho Maracanãzinho Arena

99



Entrées avec accréditation

Routes d'accès avec accréditation

Live Site

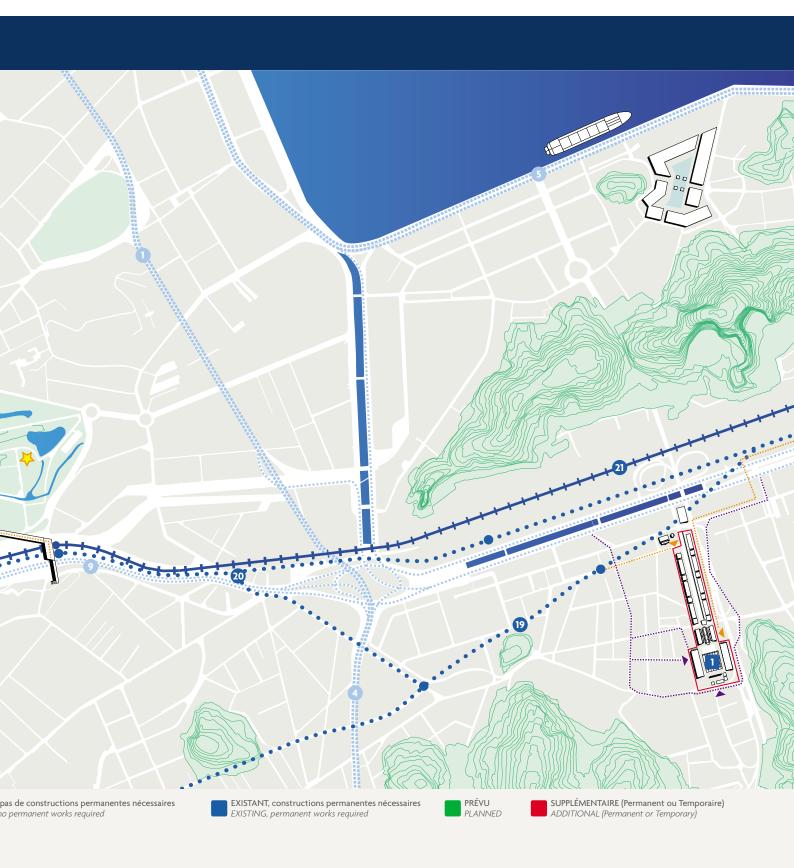
Accredited entries

Live Site

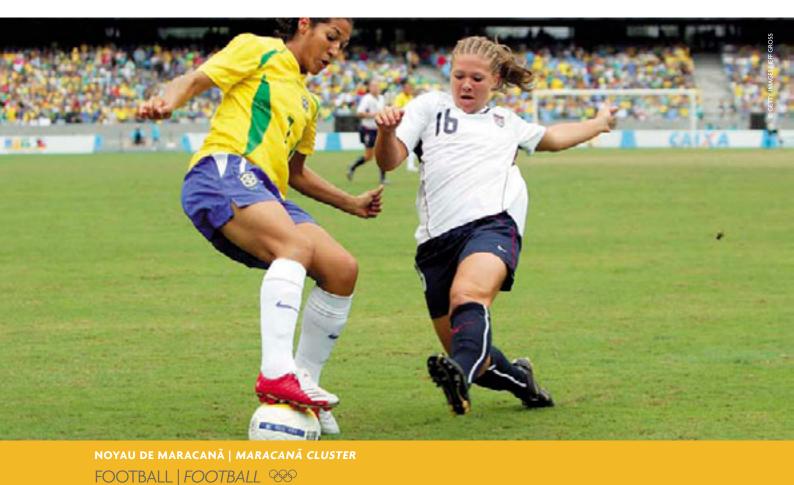
Accredited access routes







SPORT ET SITES



STADE MARACANÃ | MARACANÃ STADIUM

Le Stade Maracanā sera le site des Cérémonies d'ouverture et de clôture des Jeux Olympiques et Paralympiques et du football olympique. Construit en 1950 pour la Coupe du Monde de la FIFA, le Stade Maracanā et l'enceinte environnante seront complètement modernisés pour la Coupe du Monde de la FIFA 2014, ce qui en fera un site exceptionnel pour les Jeux de 2016. Les aménagements prévus incluent l'ajout de grandes places publiques dans l'enceinte et des améliorations de l'infrastructure de transport.

HÉRITAGE

La restauration du Stade Maracanā et de l'enceinte environnante est un important projet pour la ville de Rio, qui apportera des améliorations à un important site de classe mondiale et accélérera la régénération urbaine de cette région de la ville. Il s'agit donc d'une priorité pour l'avenir.

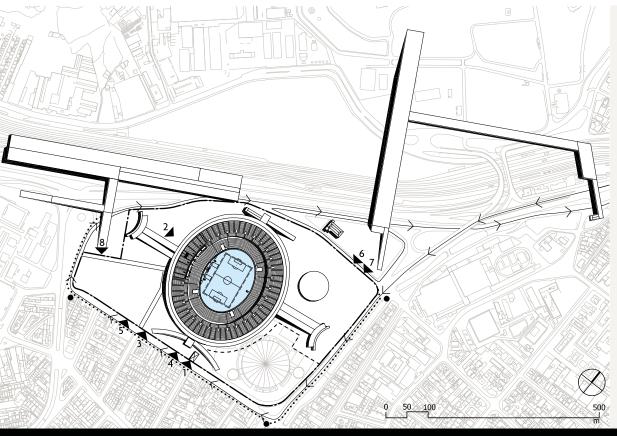
The iconic Maracanā Stadium will be the venue for Olympic and Paralympic Opening and Closing Ceremonies and Olympic Football. Originally constructed in 1950 for the FIFA World Cup, Maracanā and the surrounding precinct will be completely upgraded for the 2014 FIFA World Cup, ensuring an outstanding venue for the 2016 Games. Planned improvements include the addition of large public plazas within the precinct and improved transport infrastructure.

LEGACY

The restoration of the Maracanā Stadium and surrounding precinct is an important project for the city of Rio, enhancing a world class major venue for the city, and accelerating the urban regeneration of this region of the city, a major priority for the future.

CAPACITÉ D'ACCUEIL	CAPACITY

Stade Maracanã Maracanã Stadium	90,000
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SPORT ET SITES



ARÈNE MARACANÃZINHO | MARACANÃZINHO ARENA

Maracanāzinho sera le site du volleyball olympique. Maracanāzinho, ou 'petit Maracanā', est le site traditionnel du volleyball au Brésil et se situe dans l'enceinte de Maracanā où se trouve le Stade Maracanā. Un vaste projet de rénovation fut réalisé pour les Jeux Panaméricains de 2007 et l'enceinte de Maracanā sera complètement transformée pour la Coupe du Monde de la FIFA 2014.

HÉRITAGE

Maracanāzinho continuera d'être utilisé comme la plus grande installation de volleyball au Brésil après les Jeux, et sera modernisé avec la reconstruction des salles d'échauffement directement adjacentes qui seront des installations importantes d'entraînement pour les équipes locales, régionales et nationales.

Maracanāzinho will be the venue for Olympic Volleyball.
Maracanāzinho, or 'little Maracanā', is the traditional home of
Volleyball in Brazil and is within the Maracanā Precinct which includes
Maracanā Stadium. An extensive renovation project was undertaken
for the 2007 Pan American Games and the Maracanā Precinct will be
completely transformed for the 2014 FIFA World Cup.

LEGACY

DEODORO

BARRA

MARACANÃ

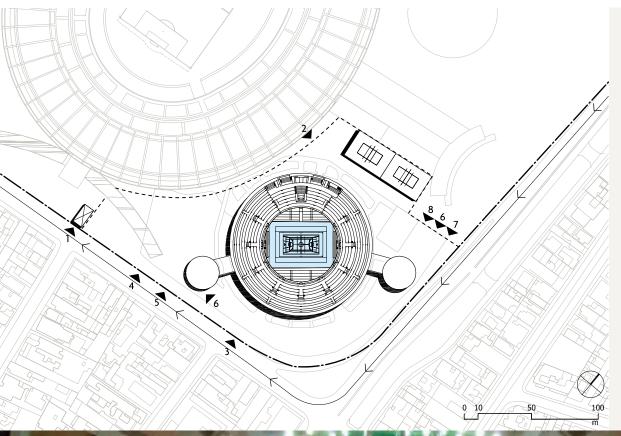
COPACABANA

Maracanāzinho will continue to be used as the premier Volleyball facility in Brazil after the Games, and will be improved through the rebuilding of the warm-up halls directly adjacent which will provide important training facilities for local, regional and national teams.

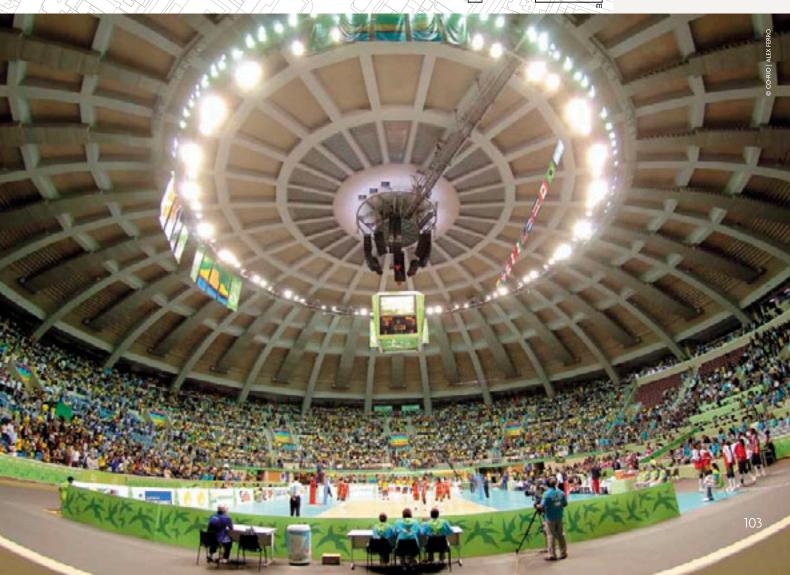
CAPACITÉ D'ACCUEIL	CAPACITY

12,000

K		DISTANCE	TRAVEL TIME
_2	Village Village	33 KM	40 MIN.
	CIRTV/CPP IBC/MPC	30 KM	40 MIN.
	Hôtels Principaux Main Hotels	16 KM	20 MIN.



- Poste de Contrôle Accrédité
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SPORT ET SITES



SAMBÓDROMO | SAMBÓDROMO

Le fameux Sambódromo où, tous les ans, se déroule le défilé du *Carnaval*, sera le site du tir à l'arc olympique et paralympique et du athlétisme (marathon) olympique. A proximité du Stade Maracanã, il fera l'objet d'importantes rénovations pour les Jeux. Il verra les séries éliminatoires et les finales du tir à l'arc, ainsi que le marathon, durant lequel 30 000 spectateurs feront la haie tout le long de la ligne droite de 600 mètres, garantissant une ambiance sensationnelle pour le départ et l'arrivée.

HÉRITAGE

La rénovation du Sambódromo représente un important projet d'héritage pour le gouvernement de la ville, eu égard à la restauration du site proprement dit, mais aussi sur le plan de la régénération urbaine de la zone environnante. Ce projet olympique agira comme catalyseur pour le plan à long terme pour cette partie de la ville, apportant des avantages immédiats et appréciables aux collectivités locales.

The famous Sambódromo, home of the annual Carnaval parade, will be the venue for Olympic and Paralympic Archery competition and the Olympic Marathon. Located close to the Maracanā Stadium, the venue will undergo a major renovation for the Games. For Archery, both qualifying and finals rounds will be held here, and for the Marathon, 30,000 spectators will line the 600 meter straight, ensuring a wonderful atmosphere for the start and finish.

LEGACY

The renovation of the Sambódromo is an important legacy project for the City Government, in terms of restoring the venue itself and also the urban regeneration of the surrounding area. The Games project will provide the catalyst for the long term plan for this part of the city bringing immediate and significant benefits to the local communities.

CAPACITÉ D'ACCUEIL CAPACITY

Tir à L'arc Archery	6,000
Athlétisme (Marathon) Athletics (Marathon)	30,000





SPORT ET SITES

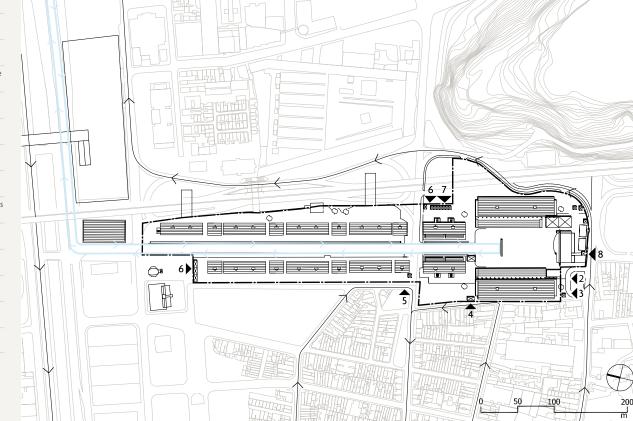
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SUITE CONTINUED

athlétisme (marathon) | *athletics (marathon)*

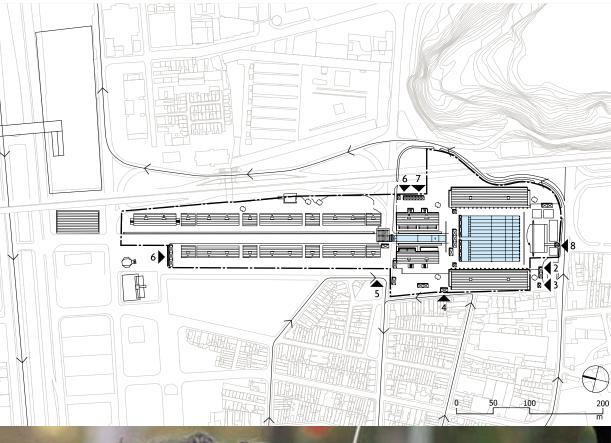
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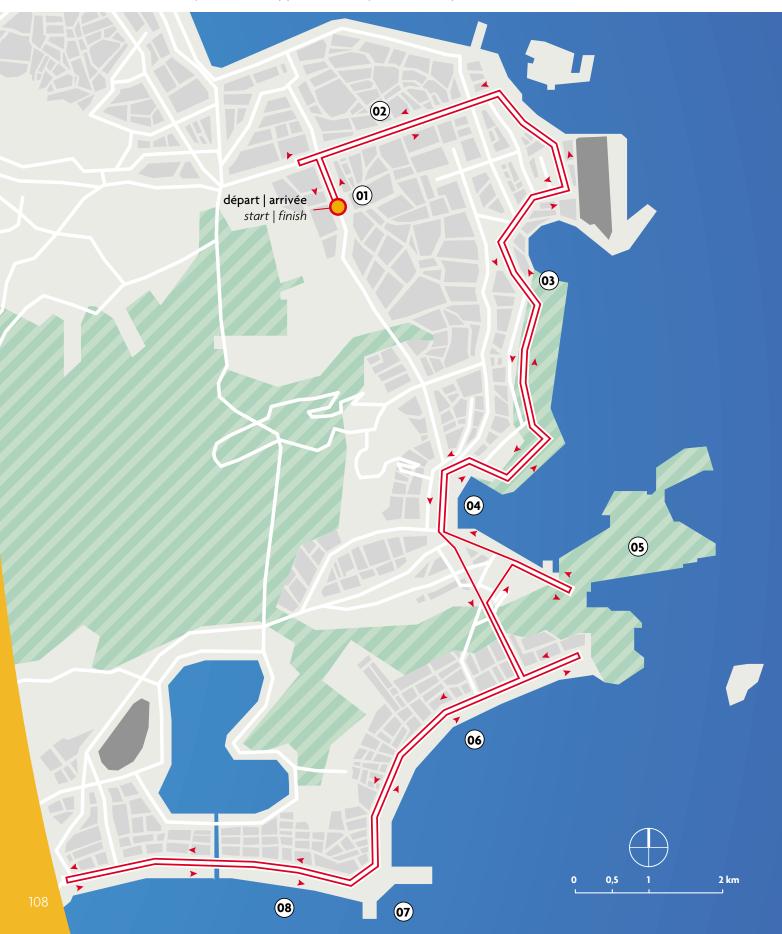
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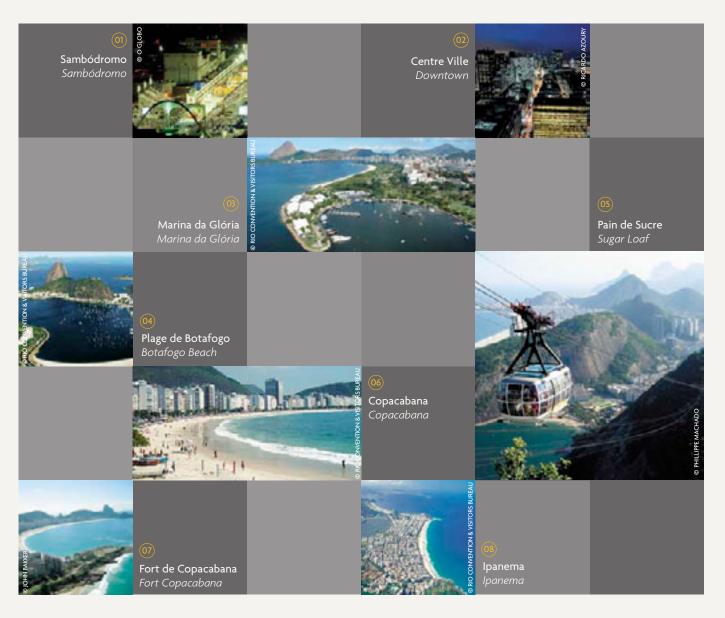


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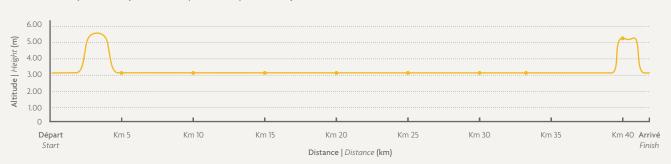
athlétisme (marathon) | *athletics (marathon)*



PARCOURS DU ATHLÉTISME (MARATHON) | ATHLETICS (MARATHON) COURSE



ATHLÉTISME (MARATHON) – ÉLÉVATION | ATHLETICS (MARATHON) COURSE –ELEVATION



SPORT ET SITES







ZONE DE DEODORO | DEODORO ZONE

SITES OLYMPIQUES DE ZONE | ZONE OLYMPIC VENUES



SPORTS ÉQUESTRES EQUESTRIAN



SHOOTING



CYCLISME (VTT) CYCLING (MOUNTAIN BIKE)



CANOË/KAYAK (SLALOM) CANOE/KAYAK (SLALOM)



CYCLISME (BMX) CYCLING (BMX)



ESCRIME FENCING



PENTATHLON MODERNE MODERN PENTATHLON

SITES PARALYMPIQUES DE ZONE | ZONE PARALYMPIC VENUES



SPORTS ÉQUESTRES EQUESTRIAN



SHOOTING



ESCRIME EN FAUTEUIL ROULANT WHEELCHAIR FENCING

LÉGENDES DES SITES | VENUES CAPTIONS



Sites Olympiques Olympic Venues



Sites Paralympiques Paralympic Venues

La zone de Deodoro accueillera sept sports et disciplines. En plus des sites existant de sports équestres et de tir, de nouveaux sites seront construits pour le pentathlon moderne et l'escrime. Une des initiatives principales de la candidature de Rio 2016 sera le X Parc, un parc de sports d'aventure avec des sites olympiques pour cyclisme (VTT), cyclisme (BMX) et le canoë/kayak (slalom).

HÉRITAGE

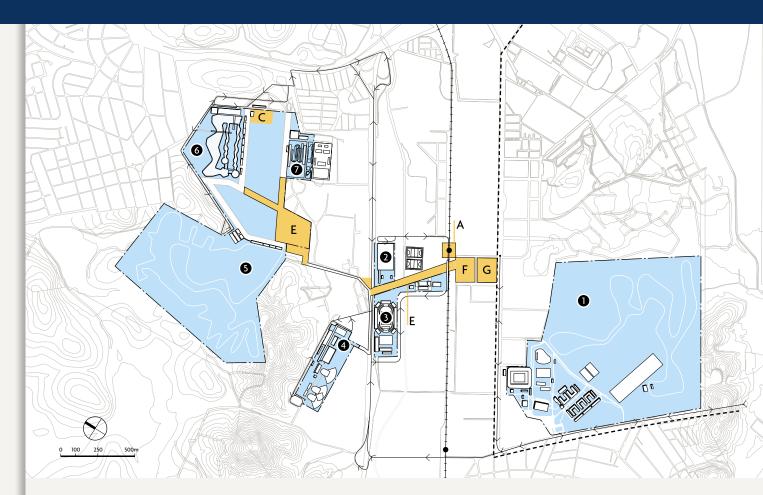
La région de Deodoro a le plus grand nombre de jeunes de la région. La construction d'installations pour les Jeux Panaméricains de 2007 a eu pour conséquence une participation active des jeunes dans toute une gamme de sports, et cette tendance se poursuivra avec la construction des installations pour les Jeux de 2016. Des investissements importants en infrastructure de transport permettront de reconnecter la région de Barra à la ville.

The Deodoro Zone will accommodate seven sports and disciplines. In addition to the existing Equestrian and Shooting venues, new venues for Modern Pentathlon and Fencing will be constructed. One of the major initiatives of the Bid will be the X Park, an adventure sports park with Olympic venues for Cycling (Mountain Bike), Cycling (BMX) and Canoe/Kayak (Slalom).

The Deodoro Region of the city has the highest demographic of youth within the greater metropolitan region. The development of facilities for the 2007 Pan American Games resulted in active youth participation in a range of sports, and this will be further developed with facilities for the 2016 Games. Substantial investments in transport infrastructure will reconnect this region with Barra and the city.

B5 NOYAU DE DEODORO | *DEODORO CLUSTER*



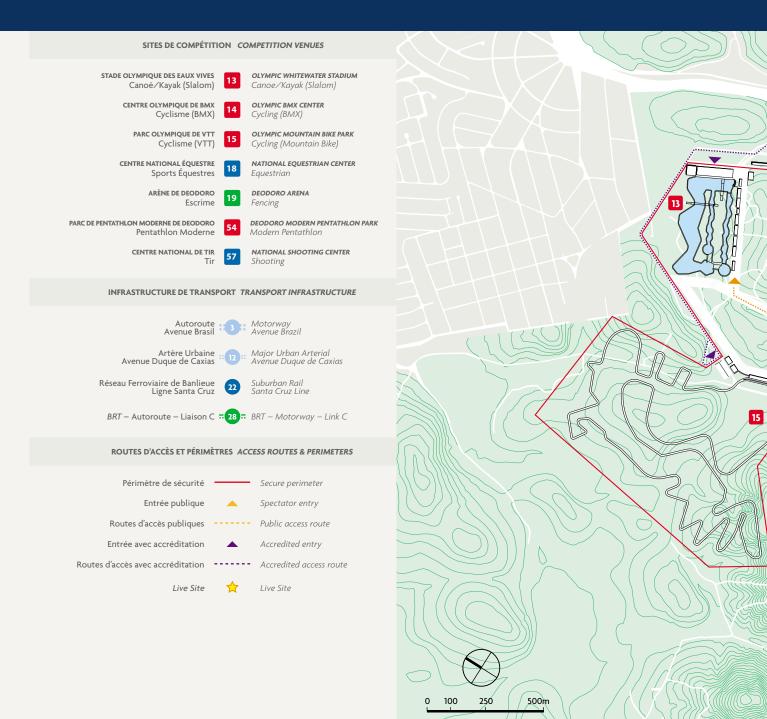




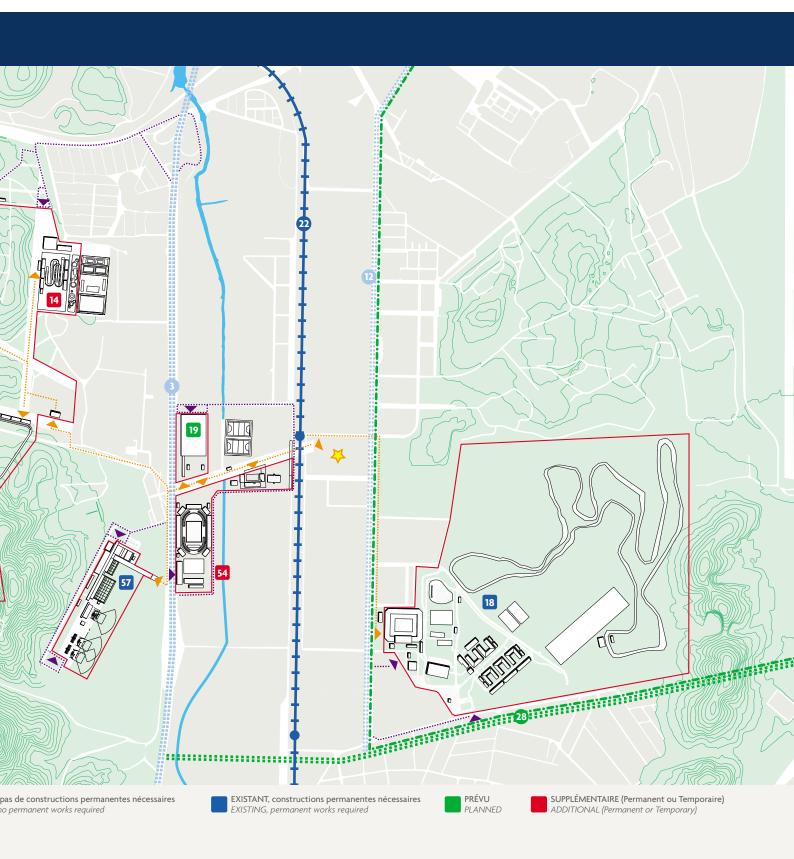
- --- Périmètre de Sécurité
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- - Transport Public BRTPublic Transport BRT
- Transport Public Train

 Public Transport Rail
- A Terminal de Transport Public Public Transport Terminal
- B Zones de Stationnement
 Parking Areas
- C Aire de Radio et Télédiffusion Broadcast Compounds
- D Aire d'Opération Operational Compounds
- E Place des Spectateurs Spectator Plaza
- F Live Site Live Site
- G Hospitalité des Sponsors Sponsor Hospitality
- H Installations des Athlètes Athletes Facilities

- 1 Centre National Équestre National Equestrian Center
- 2 Arène de Deodoro Deodoro Arena
- 3 Parc de Pentathlon Moderne de Deodoro Deodoro Modern Pentathlon Park
- 4 Centre National de Tir National Shooting Center
- 5 Parc Olympique de VTT Olympic Mountain Bike Park
- 6 Stade Olympique des Eaux Vives Olympic Whitewater Stadium
- 7 Centre Olympique de BMX Olympic BMX Center



EXISTANT, EXISTING, I



SPORT ET SITES



CENTRE NATIONAL ÉQUESTRE | NATIONAL EQUESTRIAN CENTER

Situé dans le noyau de sites de Deodoro, non loin du Centre national de tir, le Centre national des sports équestres sera le site des sports équestres olympiques et paralympiques. Construit à l'occasion des Jeux Panaméricains de 2007, il a été conçu conformément aux normes de la fédération internationale, en vue des compétions internationales. Ce complexe, qui a une surface totale de 82 000m², sera agrandi pour les Jeux Olympiques et Paralympiques de 2016.

HÉRITAGE

Le site sera complètement intégré aux installations de Deodoro du Centre d'entraînement olympique, ce qui constituera une base importante pour les sports équestres au Brésil. Il continuera également d'être utilisé pour de grandes compétitions, y compris celles des Jeux mondiaux militaires du CISM de 2011.

The National Equestrian Center will be the venue for Olympic and Paralympic Equestrian and is located in the Deodoro Cluster in close proximity to the National Shooting Center. Constructed for the 2007 Pan American Games, it has been designed in accordance with International Federation standards for international competition. The complex has an overall area of 82,000m² and will be expanded for the Games.

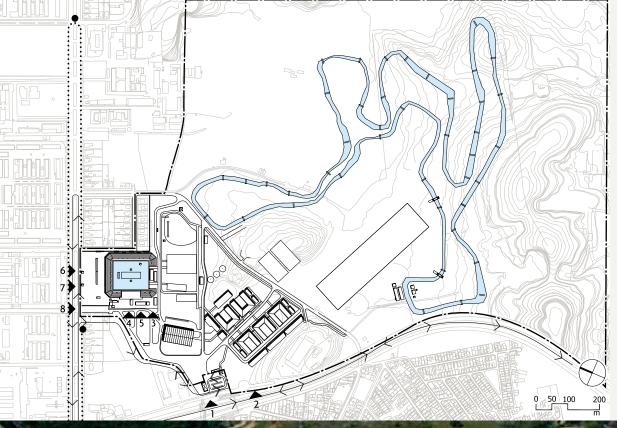
LEGACY

The venue will be fully integrated into the Deodoro facilities of the Olympic Training Center, providing an important base for Equestrian in Brazil. It will also continue to be used for major competitions including the 2011 CISM World Military Games.

CAPACITÉ D'ACCUEIL CAPACITY

Arène Principal <i>Main Arena</i>	14,000
Zone pour spectateurs debout Standing Area CCE	20,000





- Poste de Contrôle Accrédité
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SPORT ET SITES



NATIONAL SHOOTING CENTER | NATIONAL SHOOTING CENTER

Le Centre national de tir sera le site du tir olympique et paralympique. Situé dans le noyau de sites de Deodoro, ce site fut construit pour les Jeux Panaméricains de 2007 conformément aux normes de la fédération internationale, et ne nécessitera que des aménagements mineurs pour les Jeux Olympiques et Paralympiques de 2016. Le site a des installations permanentes pour les athlètes et les officiels et est équipé de stands de tirs pour toutes les disciplines.

HÉRITAGE

Déjà utilisé comme installation d'entraînement d'élite, le site sera intégré au Centre d'entraînement olympique (CEO) et constituera un important héritage pour toutes les disciplines de tir. Ce sera une installation importante pour le développement du tir au Brésil. Le site sera également utilisé comme installation d'entraînement par les forces armées brésiliennes, qui soutiennent l'opération continue et l'entretien du site.

The National Shooting Center will be the venue for Olympic and Paralympic Shooting. Located at the Deodoro Cluster, the venue was constructed for the 2007 Pan American Games to International Federation standards, and will require minimal modifications for the Olympic and Paralympic Games. The venue features permanent facilities for athletes and officials and fully equipped shooting ranges for all disciplines.

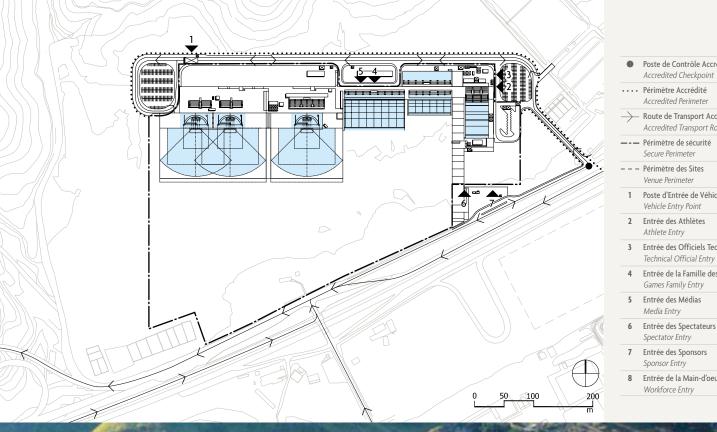
LEGACY

Already used as an elite training facility, the venue will be fully integrated into the Olympic Training Center (OTC), providing a strong legacy for all shooting disciplines and an important facility for the development of Shooting in Brazil. The venue is also used as a training facility by the Brazilian military forces, who support the ongoing operation and maintenance of the venue.

CAPACITÉ D'ACCUEIL CAPACITY

Hall des finales Finals Hall	1,600
Fosse olympique et skeet (finales) Trap and skeets (Finals)	2,000
Fosse olympique et skeet (éliminatoires) Trap and skeets (Preliminaries)	1,000
Stand de tir, 10m 10m range	1,000
Stand de tir, 25m 25m range	500
Stand de tir, 50m 50m range	750





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- Entrée de la Main-d'oeuvre



SPORT ET SITES



PARC DE PENTATHLON MODERNE DE DEODORO | DEODORO MODERN PENTATHLON PARK

Le parc national de pentathlon moderne sera le site du pentathlon moderne olympique. Un stade temporaire d'une capacité d'accueil de 15 000 place sera construit directement à côté de l'Arène de Deodoro qui sera utilisée pour l'épreuve d'escrime, et le Centre de natation existant. Une caractéristique principale du site sera sa proximité à tous les sites, à de courtes distances à pied pour les spectateurs et les clients accrédités.

HÉRITAGE

Le site continuera d'être utilisé pour l'entraînement du pentathlon moderne et sera pleinement intégré aux installations du Centre d'entraînement olympique de Deodoro.

The Deodoro Modern Pentathlon Park will be the venue for Olympic Modern Pentathlon. A temporary stadium with a capacity of 15,000 will be constructed directly adjacent to the Deodoro Arena (which will be used for Fencing), and the existing Aquatic Center. A feature of the venue will be the proximity of all venues to one another, allowing comfortable walking distances for spectators and accredited clients.

LEGACY

The Deodoro Arena will continue to be used for Modern Pentathlon training, and will be fully integrated into the Deodoro facilities of the Olympic Training Center.

CAPACITÉ D'ACCUEIL CAPACITY

Équitation, tir, course à pied <i>Riding, Shooting, Running</i>	15,000
Escrime, natation Fencing, Swimming	5,000

DEODORO MARACANÃ		DISTANCE DISTANCE	TEMPS DE VOYAGE TRAVEL TIME
	Village Village	18 KM	15 MIN.
IBC MPC OV. International Control of the Control of	CIRTV/CPP IBC/MPC	16 KM	15 MIN.
BARRA COPACABANA	Hôtels Principaux Main Hotels	43 KM	40 MIN.



SPORT ET SITES



NOYAU DE DEODORO | DEODORO CLUSTER

ESCRIME | FENCING 989 ESCRIME EN FAUTEUIL ROULANT | WHEELCHAIR FENCING (

ARÈNE DE DEODORO | DEODORO ARENA

Le Arène de Deodoro accueillera l'escrime olympique et le pentathlon moderne (escrime), ainsi que l'escrime paralympique. Ce site sera un nouveau stade de 5 000 places situé dans le centre du noyau de sites de Deodoro, à 300m de la gare Vila Militar et non loin de cinq autres sports au sein de ce noyau de sites.

HÉRITAGE

Le Arène de Deodoro sera une nouvelle installation multifonctionnelle dont le besoin se faisait sentir dans cette région de la ville, qui va dans le sens de l'héritage des Jeux Panaméricains de 2007 à l'occasion desquels l'on a constaté une augmentation importante de la participation des jeunes au sport. En plus, ce site sera intégré aux installations du Centre d'entraînement olympique de Deodoro.

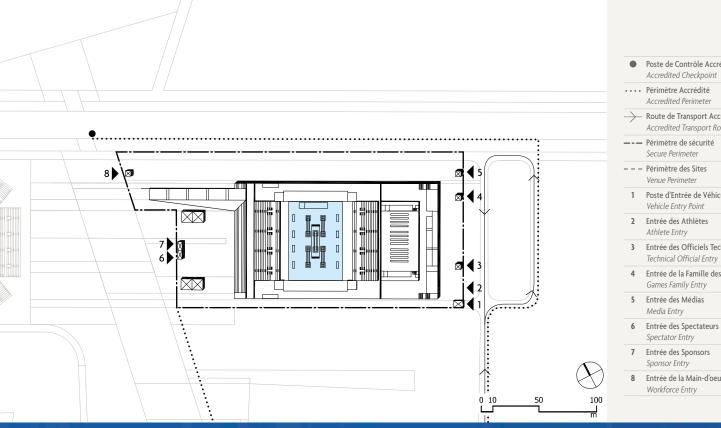
Deodoro Arena will be the venue for Olympic Fencing and Modern Pentathlon (Fencing) and Paralympic Wheelchair Fencing. The venue will be a new 5,000 seat arena located in the heart of the Deodoro Cluster, within 300m of the Vila Militar Rail Station and within walking distance of the other five sports within the cluster.

LEGACY

The Deodoro Arena will provide a much needed, new multi-purpose facility for this region of the city, building on the legacy of the 2007 Pan American Games which has seen a significant increase in youth sport participation in the area. In addition, the venue will be integrated into the Deodoro facilities of the Olympic Training Center.

CAPACITÉ	D'ACCUEIL	CAPACITY
CAPACITE	DACCUEIL	CAPACIII

Arène de Deodoro <i>Deodoro Arena</i> 5,00
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- Poste de Contrôle Accrédité Accredited Checkpoint
- Accredited Perimeter
- Route de Transport Accréditée Accredited Transport Route
- Périmètre de sécurité
- 1 Poste d'Entrée de Véhicules
- 3 Entrée des Officiels Techniques
- Entrée de la Famille des Jeux
- 5 Entrée des Médias
- Spectator Entry
- Sponsor Entry
- Entrée de la Main-d'oeuvre



SPORT ET SITES



NOYAU DE DEODORO | DEODORO CLUSTER

CYCLISME (VTT) | CYCLING (MOUNTAIN BIKE) ***

PARC OLYMPIQUE DE VTT | OLYMPIC MOUNTAIN BIKE PARK

Le Parc olympique de VTT sera le site pour la discipline VTT du cyclisme. Il sera situé dans le X Parc, une nouvelle enceinte pour les sports d'aventure dont la construction est prévue dans la zone de Deodoro. Deodoro accueillera six sports dans un ensemble compact de sites reliés directement au Village olympique. Un parcours olympique exigeant y sera temporairement construit, et il sera doté d'un parcours d'entraînement permanent.

HÉRITAGE

Le parcours d'entraînement permanent du X Parc représentera un héritage pour l'entraînement des sportifs d'élite, et sera également utilisé à des fins récréatives après les Jeux. Le quartier de Deodoro ayant la plus grande concentration de jeunes de l'agglomération de Rio, le X Parc deviendra une infrastructure magnifique pour encourager la participation de la jeunesse au sport.

The Olympic Mountain Bike Park will be the venue for Cycling (Mountain Bike). The venue will be located in the X Park, a new adventure sports precinct to be built in the Deodoro Zone. Deodoro will include six sports in a compact venue cluster, with direct links to the Olympic Village. A challenging, temporary Olympic course will be constructed, while an additional permanent training course will also be developed.

LEGACY

The permanent training course within the X Park will be maintained as a legacy for elite sports training and also for recreational use after the Games. The Deodoro region contains the highest concentration of youth in Rio, and the X Park will provide a wonderful facility to encourage youth participation in sport.

CAPACITÉ D'ACCUEIL CAPACITY

Places assises temporaires Temporary Seating	5,000
Zone pour spectateurs debout Standing Area	20,000

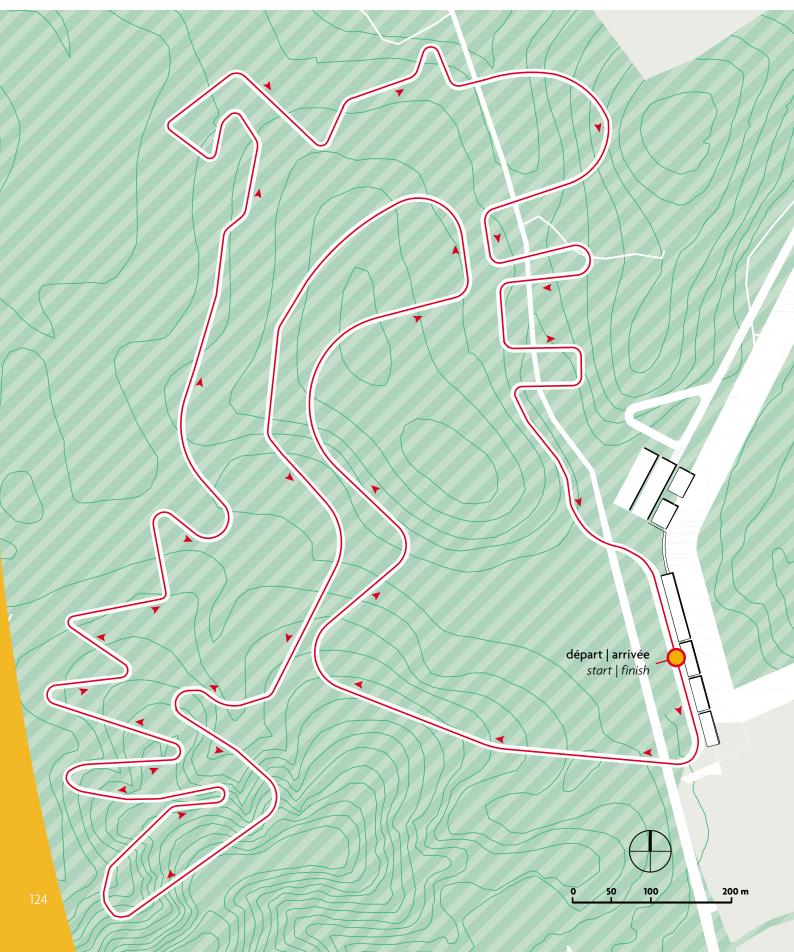






SPORT ET SITES

SUITE CONTINUED
CYCLISME (VTT) | CYCLING (MOUNTAIN BIKE)



PARCOURS DU CYCLISME (VTT) | CYCLING (MOUNTAIN BIKE) COURSE







SPORT ET SITES



NOYAU DE DEODORO | DEODORO CLUSTER CANOË/KAYAK (SLALOM) | CANOE/KAYAK (SLALOM)

STADE OLYMPIQUE DES EAUX VIVES | OLYMPIC WHITEWATER STADIUM

Le Stade olympique des Eaux Vives sera le site de la discipline de Canoë/Kayak (slalom). Il sera situé dans le X Parc, une nouvelle enceinte pour les sports d'aventure, dont la construction est prévue dans la zone de Deodoro. Deodoro accueillera six sports dans un ensemble compact de sites reliés directement au Village olympique et paralympique. Un parcours permanent y sera construit, ainsi que des installations et des gradins temporaires d'appoint pour recevoir 8 000 spectateurs.

HÉRITAGE

Le Stade olympique des Eaux Vives représentera un héritage pour l'entraînement des sportifs d'élite, et sera également utilisé à des fins récréatives après les Jeux. Le quartier de Deodoro ayant la plus grande concentration de jeunes de l'agglomération de Rio, le X Parc deviendra une infrastructure magnifique pour encourager la participation de la jeunesse au sport.

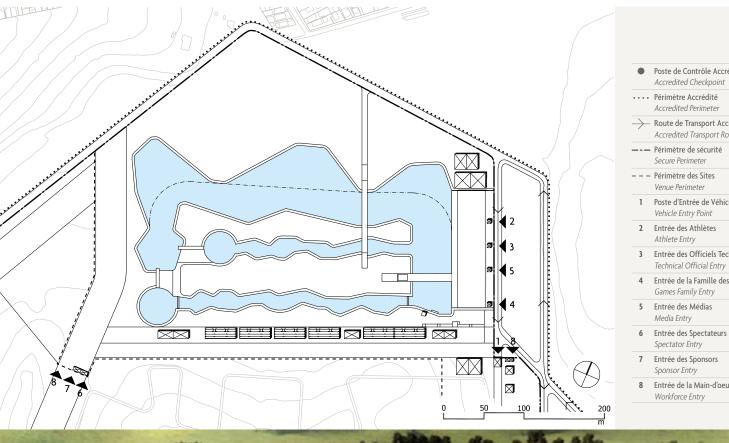
The Olympic Whitewater Stadium will be the venue for Canoe/Kayak (Slalom). The venue will be located in the X Park, a new adventure sports precinct to be built in the Deodoro Zone. Deodoro will include six sports in a compact venue cluster, with direct links to the Olympic Village. A permanent course will be constructed with temporary support facilities and seating for 8,000.

LEGACY

The Olympic Whitewater Stadium will be maintained as a legacy for elite sports training and also for recreational use after the Games. The Deodoro region contains the highest concentration of youth in Rio, and the X Park will provide a wonderful facility to encourage youth participation in sport.

CADACITÉ	D'ACCUEIL	CARACITY
CAPACITE	DACCUEIL	CAPACITY

Stade Olympique des Eaux Vives Olympic Whitewater Stadium	8,000
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- Poste de Contrôle Accrédité
- Poute de Transport Accréditée Accredited Transport Route
- -- Périmètre de sécurité
- 1 Poste d'Entrée de Véhicules
- 3 Entrée des Officiels Techniques
- 4 Entrée de la Famille des Jeux
- 8 Entrée de la Main-d'oeuvre



SPORT ET SITES



CENTRE OLYMPIQUE DE BMX | OLYMPIC BMX CENTER

Le Centre olympique BMX sera le site du cyclisme olympique (BMX). Le site sera situé dans le X Parc, une nouvelle enceinte pour les sports d'aventure qui sera construite dans la zone de Deodoro. Deodoro abritera six sports dans un noyau compact de sites, et sera directement relié au Village olympique. Une piste permanente de BMX sera construite, avec 7 500 places temporaires et des installations temporaires complémentaires de soutien.

HÉRITAGE

Le site de BMX sera retenu comme un héritage pour l'entraînement de sport d'élite et pour des activités de loisirs, après les Jeux. La région de Deodoro a la plus grande concentration de jeunes à Rio, et le X Parc sera une merveilleuse installation pour encourager les jeunes à faire du sport.

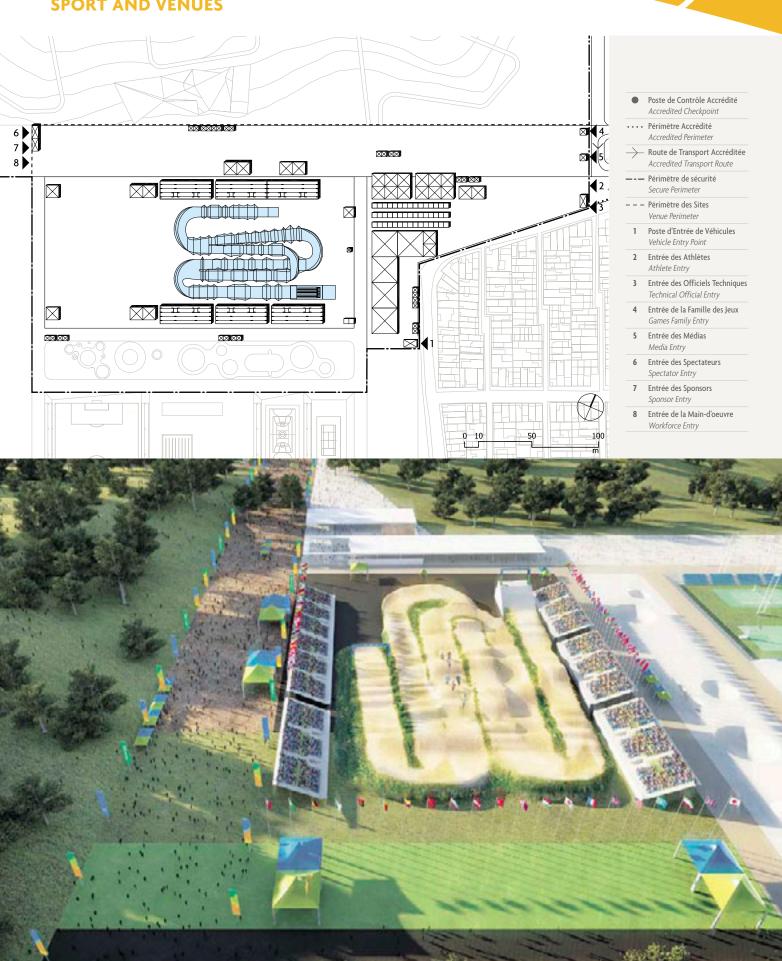
The Olympic BMX Center will be the venue for Olympic Cycling (BMX). The venue will be located in the X Park, a new adventure sports precinct to be built in the Deodoro Zone. Deodoro will include six sports in a compact venue cluster, with direct links to the Olympic Village. A permanent BMX track will be constructed, with temporary seating for 7,500 and additional temporary support facilities.

LEGACY

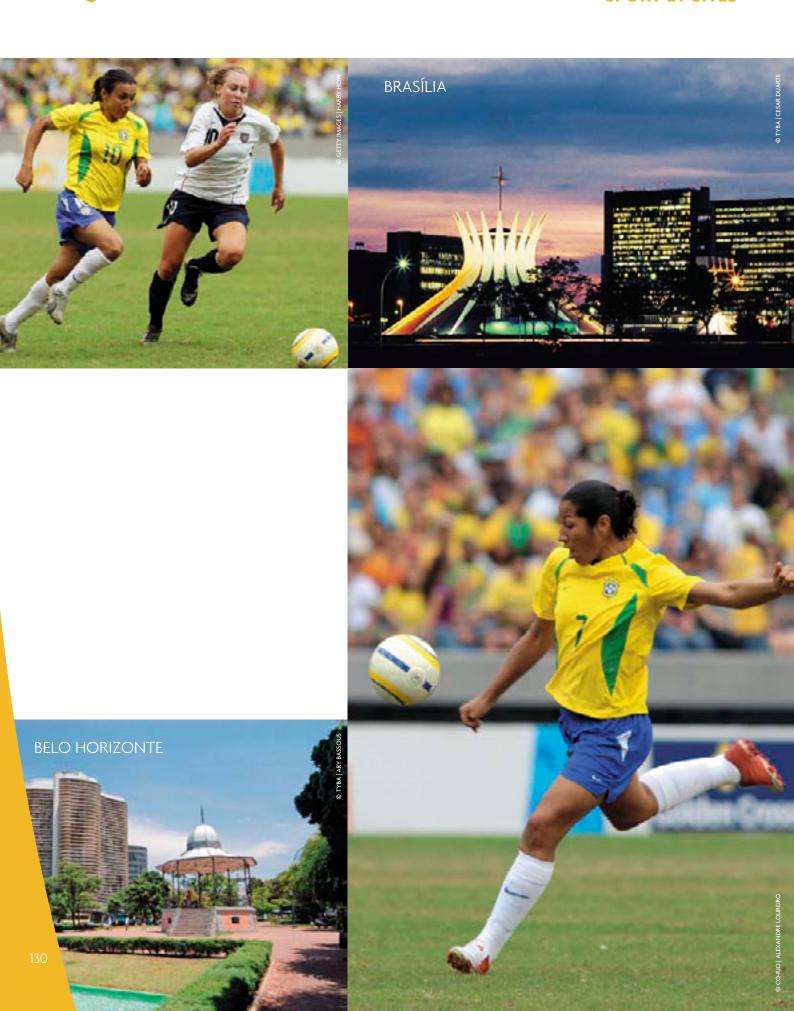
The BMX venue will be maintained as a legacy for elite sports training and also for recreational use after the Games. The Deodoro region contains the highest concentration of youth in Rio, and the X Park will provide a wonderful facility to encourage youth participation in sport.

CADACITÉ	D'ACCUEIL	CARACITY
CAPACITE	DACCUEIL	CAPACITY

Centre Olympique de BMX Olympic BMX Center	7,500
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SPORT ET SITES





VILLES DE FOOTBALL | FOOTBALL CITIES





SPORT ET SITES



STADE MINEIRÃO (BELO HORIZONTE) | MINEIRÃO STADIUM (BELO HORIZONTE) FOOTBALL | FOOTBALL | SSO

Le Stade Minerão de Belo Horizonte accueillera les éliminatoires de football olympique. Construit en 1965, et régulièrement utilisé pour les compétitions nationales et internationales de football, ce stade sera complètement restauré pour répondre aux exigences de la Coupe du Monde de la FIFA 2014. Le stade Minerão est situé dans une zone importante de la ville, non loin du lac Pampulha et des monuments environnants qui ont été conçus par le célèbre architecte brésilien, Oscar Niemeyer, et qui offrent un merveilleux cadre pour la compétition olympique. Le site est également à proximité de grands hôtels, et est accessible par autoroute et les grands axes routiers.

HÉRITAGE

La restauration du site laissera un important héritage à la ville de Belo Horizonte, le stade étant le terrain de deux clubs importants de football et le cadre des grandes compétitions internationales pour l'équipe nationale brésilienne. La rénovation du stade est également étroitement liée à la restauration de la région de Pampulha et ses importants monuments d'héritage. La Coupe du Monde de la FIFA 2014 et les Jeux Olympiques 2016 seront des catalyseurs pour les objectifs généraux de la ville.

Minerão Stadium in Belo Horizonte will host Olympic Football preliminaries. Built in 1965, and regularly used for major international and national football competitions, it will be fully restored to meet all requirements for the 2014 FIFA World Cup. The stadium is located in an important area of the city, with the adjacent Pampulha Lake and surrounding monuments which were conceived by the famous Brazilian architect Oscar Niemeyer providing a wonderful backdrop for Olympic competition. The venue is also in close proximity to major hotels and accessible by freeways and major arterial roads.

LEGACY

The restoration of the venue will leave an important asset for the city of Belo Horizonte, as the stadium is home to two important Football clubs and hosts the Brazilian national team for major international competitions. The renovation of the stadium is also closely linked to the restoration of the Pampulha area with its important heritage monuments. The 2014 FIFA World Cup and 2016 Olympic Games will provide catalysts for the broader objectives of the city.

BRÉSIL | BRAZIL





SPORT ET SITES



STADE MANÉ GARRINCHA (BRASÍLIA) | MANÉ GARRINCHA STADIUM (BRASÍLIA) FOOTBALL | FOOTBALL 🏵

Le Stade Mané Garrincha de Brasília sera l'un des sites des éliminatoires de football. Brasília, la capitale, est à environ une heure et demi de vol au nord de Rio. Elle figure sur la liste du patrimoine mondial, avec plus de 100 bâtiments conçus par le célèbre architecte brésilien, Oscar Niemeyer. Construit en 1974, le Stade Mané Garrincha sera complètement rénové pour répondre aux exigences de la Coupe du Monde de la FIFA 2014, ce qui en fera un excellent site pour le football olympique.

HÉRITAGE

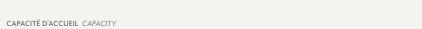
Le Stade Mané Garrincha est souvent le site de compétitions nationales et internationales de football, de concerts et d'autres grands événements. Des rénovations y seront faites en vue de la Coupe du Monde de la FIFA 2014, ce qui se traduira par une modernisation dont le besoin se faisait fortement sentir sur l'un des stades les plus importants du Brésil, et permettra aux résidents de la capitale de partager l'esprit olympique en 2016.

Stade Mané Garrincha | Mané Garrincha Stadium

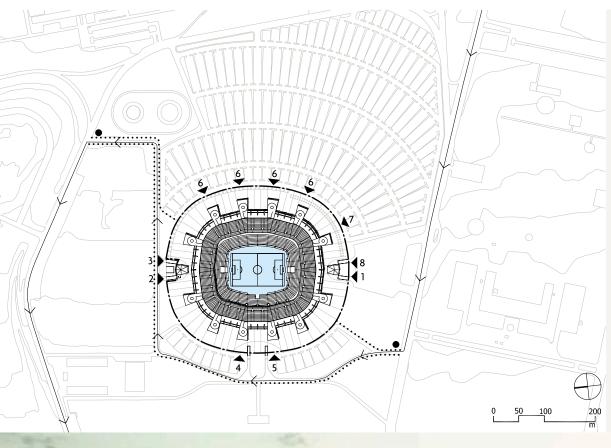
The Mané Garrincha Stadium in Brasília will be one of the sites for Football preliminaries. Brasília, the national capital, is located approximately 1.5 hours by air to the north of Rio. It is listed as a world heritage site, featuring over 100 buildings designed by revered Brazilian architect Oscar Niemeyer. Originally constructed in 1974, the Mané Garrincha Stadium will be fully renovated to meet all requirements for the 2014 FIFA World Cup, providing an excellent venue for Olympic Football.

LEGACY

The Mané Garrincha Stadium is regularly used for national and international football competitions, concerts and other major events. The stadium renovations to be undertaken for the 2014 FIFA World Cup will provide much needed improvements to one of Brazil's most important stadiums, and will enable the residents of the national capital to share the Olympic spirit in 2016.



BRÉSIL | BRAZIL



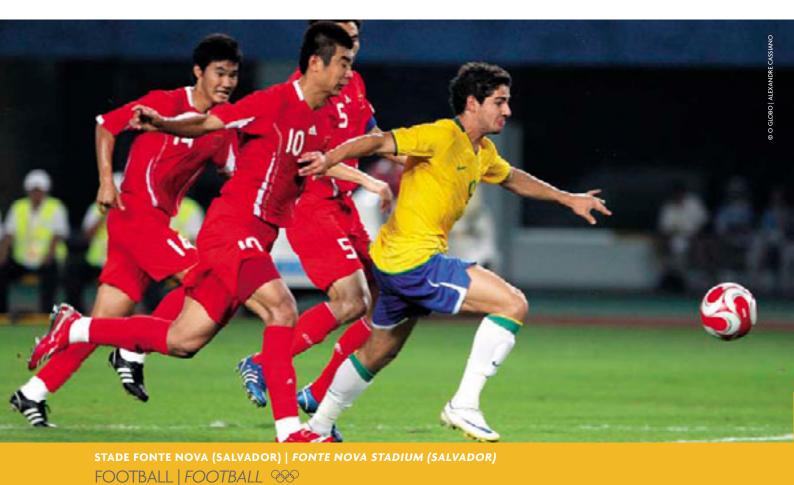
- Poste de Contrôle Accrédité
 Accredited Checkpoint
- •••• Périmètre Accrédité

 Accredited Perimeter
- Route de Transport Accréditée

 Accredited Transport Route
- —-— Périmètre de sécurité
 Secure Perimeter
- - Périmètre des Sites Venue Perimeter
- 1 Poste d'Entrée de Véhicules Vehicle Entry Point
- 2 Entrée des Athlètes Athlete Entry
- 3 Entrée des Officiels Techniques Technical Official Entry
- 4 Entrée de la Famille des Jeux Games Family Entry
- 5 Entrée des Médias Media Entry
- 6 Entrée des Spectateurs Spectator Entry
- 7 Entrée des Sponsors Sponsor Entry
- 8 Entrée de la Main-d'oeuvre Workforce Entry



SPORT ET SITES



Le Stade Fonte Nova de Salvador sera un des sites des éliminatoires de football. Salvador est située au nord du pays, à deux heures et demi de vol de Rio. Première capitale du Brésil, la ville est riche en culture et en histoire, et est une destination importante du tourisme international. Construit en 1951, le site sera complètement réaménagé pour la Coupe du Monde de la FIFA 2014.

HÉRITAGE

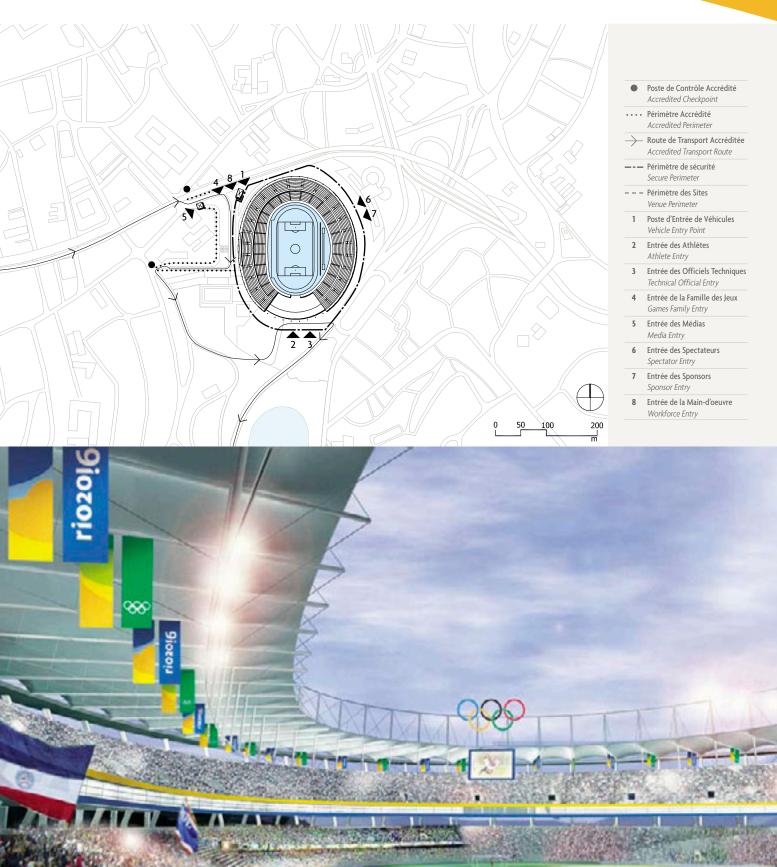
Une fois modernisé pour la Coupe du Monde de la FIFA 2014, Fonte Nova deviendra le plus grand stade de football dans le nord du pays. Deux grands clubs brésiliens, Bahia et Vitoria, y sont basés en ce moment et bénéficieront de l'amélioration des installations du stade. L'ensemble de la région, qui accueille un nombre important d'événements culturels majeurs, bénéficiera également de la modernisation du site.

Fonte Nova Stadium in Salvador will be one of the sites for Football preliminaries. Salvador is located in the north of the country, a 2.5 hour flight from Rio. Brazil's original capital, the city is rich in culture and history, and is a major international tourist destination. Originally constructed in 1951, the venue will be completely refurbished for the 2014 FIFA World Cup.

LEGACY

Once upgraded for the 2014 FIFA World Cup, Fonte Nova will become the premier Football stadium in the north of the country. Two major Brazilian clubs, Bahia and Vitoria, are currently based in Fonte Nova Stadium and will benefit significantly from the improved facilities. The wider region, host to a significant number of major cultural events, will also benefit from the venue upgrade.





SPORT ET SITES



STADE MORUMBI (SÃO PAULO) | MORUMBI STADIUM (SÃO PAULO)
FOOTBALL | FOOTBALL | SSO

Le Stade Morumbi de São Paulo accueillera les éliminatoires de football olympique. Construit en 1960, le stade fera l'objet d'une importante rénovation, en vue de la Coupe du Monde de la FIFA 2014, garantissant ainsi que, pour les Jeux Olympiques de 2016, ce site répondra aux exigences et aux normes de la FIFA. São Paulo est la plus grande ville du Brésil et est connectée à Rio par des vols réguliers de 35 minutes, à partir de l'aéroport domestique ou de l'aéroport international.

HÉRITAGE

La restauration du site constituera un héritage important pour la ville de São Paulo, parce que le stade est le terrain du club de football de São Paulo, et accueille l'équipe nationale brésilienne pour de grandes compétitions internationales. Etant le plus grand stade de São Paulo, c'est également un site important pour les concerts.

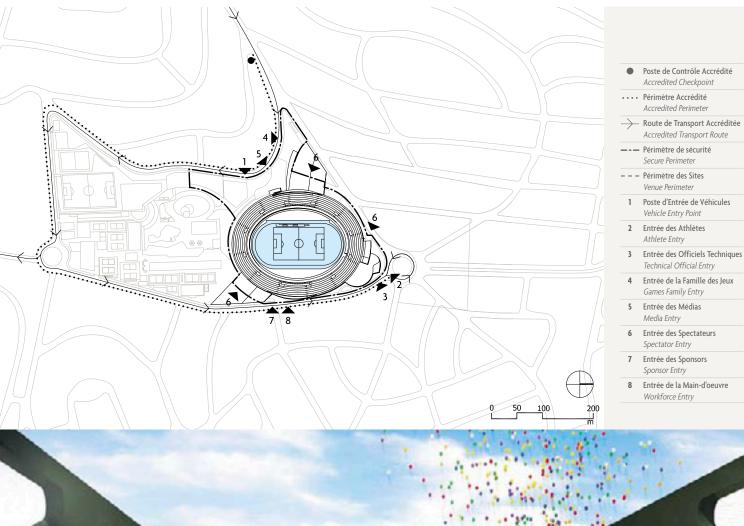
Morumbi Stadium in São Paulo will host Olympic Football preliminaries. Originally built in 1960, the stadium will undergo a major renovation for the 2014 FIFA World Cup, ensuring that for the 2016 Olympic Games the venue will meet all FIFA standards and requirements. São Paulo is Brazil's largest city, and is connected by regular 35 minute flights from Rio's domestic and international airports.

LEGACY

The restoration of the venue will be an important asset for the city of São Paulo, as the stadium is home to the São Paulo Football Club and hosts the Brazilian national team for major international competitions. It is also a major concert venue, being São Paulo's largest stadium.

CAPACITÉ D'ACCUEIL CAPACITY

BRÉSIL | BRAZIL





9.8 RESPECTIVE RESPONSIBILITIES

SEAMLESS DELIVERY

The respective responsibilities of all the entities accountable for any part of delivery of the venues have been agreed, with a commitment to work together under the umbrella of the Olympic Development Authority (ODA) to ensure seamless delivery (refer to Themes 3 and 4 for a description of the ODA role and responsibilities). All entities recognize that successful delivery is fully dependent on operational needs driving design.

Venue delivery

The proposed model for venue delivery will ensure all venues are delivered with the required technical specifications for Olympic and Paralympic Games, integrated with legacy needs from the outset. To facilitate this process, a department will be established immediately following the formation of Rio 2016 Organizing Committee integrating permanent design and construction (Venue Development) and temporary design and installation (Games Overlay). This department will be resourced with capability and expertise to ensure a seamless process of permanent and temporary design and construction for all competition and non-competition facilities. More broadly, the ODA will coordinate and oversee all venue development and will work closely and collaboratively with Rio 2016.

Venue development

All permanent venues will be developed under the coordinating direction of the ODA supported by the venue owners, namely the three levels of Government (Federal, State and City). Rio 2016 will be fully involved through all aspects of the process and the involvement of the IOC, IPC and International Federations will be embraced with fully transparent reporting and direct consultation at key phases.

Phase 1: Venue brief development

Comprehensive design briefs will be developed for all permanent venues, incorporating all legacy requirements identified by venue owners with the Games design, operational and environmental requirements identified by Rio 2016, in compliance with IOC, IPC and IF standards. Through this process Rio 2016 and the venue owners will agree which elements will be permanent and which will be temporary. All venue briefs will be made available to IFs for review of technical requirements, and will be submitted to the IOC.

Phase 2: Venue design

The ODA/venue owners will be responsible for the design of permanent venues. All levels of Government have agreed that Rio 2016 will be thoroughly involved in the design process including a formal sign off by Rio 2016 at concept design, detailed design and construction documentation stages. Rio 2016 will involve the IOC, IPC and IFs at all stages of the venue design process as required to ensure compliance.

Phase 3: Venue construction

The ODA/venue owners will be responsible for the construction of all permanent venues. All information regarding the process and progress of venue construction will be made available to the IOC and IPC as described in question 9.11.

Games overlay

Games overlay will consist of all built elements not being delivered by the ODA/venue owners, including all temporary venues. The Games overlay process, in terms of strategy, design, procurement and construction, will be the responsibility of the Rio 2016 Venue Development and Games Overlay department. The Games Overlay team will include necessary skills in the area of design, engineering, construction, project and budget management. The process for the delivery of Games overlay will be as follows:

Phase 1: Scope Definition

High level scope definition will be conducted, including agreements with the ODA/venue owners regarding identification of permanent and temporary elements. An initial Games overlay budget and scope will be prepared within the first year of the Organizing Committee based on the detailed work undertaken during the bid, and this will be continually validated throughout the process.

Phase 2: Games overlay design

Rio 2016 will commence the venue operational design process by establishing a model venue soon after the 2012 London Olympic Games, in cooperation with the Rio 2016 Venue Management department and all involved client and functional departments. Games Overlay designers will develop concept, detailed scopes and operational designs for each venue. This process will continue to involve the key clients and service providers, and will include the delivery of Games overlay for test events. There will be continuous follow-up with the legacy design process to ensure all changes in the permanent construction are smoothly conciliated with the overlay design and the opportunities created are leveraged to deploy the best scenario for the Games.

Phase 3: Games overlay delivery

Rio 2016 will be responsible for procurement and project management to deliver Games overlay. The procurement process will be undertaken to ensure quality and cost efficiencies which will include establishing consistent standards across all venues and facilities. This will be assisted by an initiative launched by the Ministry of Sport to create a national database for costs, providers and specifications for temporary installations in sport events, an initiative expected to provide a significant enhancement to the local market's product quality and service. Extensive qualification criteria will be produced and applied in the procurement process to ensure that the required quality standards are fully met. The IOC will have access to all information regarding the scope and standards of the Games overlay, as described in question 9.11.

Refer to Table 9.8 for delivery responsibilities by venue.

TABLE 9.8 - RESPONSABILITIES FOR VENUE DEVELOPMENT

		Feas	ibility	Permanent works				Temporary infrastructure/overlay				
VENUE	Land assembly	Feasibi- lity study	Approval of feasibility study	Design tender	Design contract approval	Construc- tion tender	Construc- tion contract approval	Design tender	Design contract approval	Construc- tion tender	Construc- tion contract approval	Pre-Games operation
OTC - Hall 1	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG / BOC
OTC - Hall 2	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG / BOC
OTC - Hall 3	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG / BOC
OTC - Hall 4	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG / BOC
Olympic Hockey Center	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
Olympic Tennis Center	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG / BOC
Rio Olympic Velodrome	-	-	-	CG	CG	CG	CG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	BOC
Maria Lenk Aquatic Center	-	-	-	CG	CG	CG	CG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	BOC
Olympic Aquatics Stadium	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG / BOC
Rio Olympic Arena	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Riocentro - Pavilion 2	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Riocentro - Pavilion 3	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Riocentro - Pavilion 4	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Riocentro - Pavilion 6	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
Lagoa Rodrigo de Freitas	-	-	-	SG	SG	SG	SG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Copacabana Stadium	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
Fort Copacabana	_	_	_	_	-	_	_	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
Marina da Glória	_	-	-	CG	CG	CG	CG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Flamengo Park	_	_	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
Maracanã Stadium ¹	_	-	-	-	-	_	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	SG
Maracanãzinho Arena	-	-	-	-	-	-	_	Rio 2016	Rio 2016	Rio 2016	Rio 2016	SG
Sambódromo	CG	-	-	CG	CG	CG	CG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	CG
João Havelange Stadium	CG	-	_	CG	CG	CG	CG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
National Equestrian Center	-	-	-	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG
National Shooting Center	_	-	-	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG
Olympic Mountain Bike Park	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
Olympic Whitewater Stadium	_	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG
Olympic BMX Center	_	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG
Deodoro Modern Pentathlon Park	_	-	-	-	_	_	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	_
Deodoro Arena	-	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	FG
Mané Garrincha Stadium (Brasília) ¹	-	_	_	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	SG
Mineirão Stadium (Belo Horizonte) ¹	_	_	-	-	_	_	_	Rio 2016	Rio 2016	Rio 2016	Rio 2016	SG
Bahia Arena (Salvador) ¹	-	-	-	-	-	-	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	SG
Morumbi Stadium (São Paulo)¹	_	_	_	_	_	_	-	Rio 2016	Rio 2016	Rio 2016	Rio 2016	Private
Olympic and Paralympic Village	CG	FGV	FG	Private	Private	Private	Private	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
IBC	CG	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-
MPC	CG	FGV	FG	FG	FG	FG	FG	Rio 2016	Rio 2016	Rio 2016	Rio 2016	-

FG = Federal Government, SG = State Government, CG = City Government, BOC - Brazilian Olympic Committee, FGV = Getúlio Vargas Foundation 1. All football stadiums will be fully renovated for the 2014 FIFA World Cup and delivered to Rio 2016 in Olympic standards.

9.9 LAND ACQUISITION

PROVEN PROCESS

The City of Rio has extensive and proven experience in the implementation of substantial urban development projects, many of which require land acquisition including compulsory acquisition. With all planned and additional projects (including temporary venues) under Government control, any necessary land and real-estate acquisition will follow well-established policies and procedures. Current legislation supported by the 1988 Federal Constitution empowers the City Government to appropriate privately-owned properties to meet urban planning objectives. The process defined by law follows two phases:

- Declaration Phase: defined by a Mayor's decree declaring the land or property as a public utility asset
- Implementation Phase: defined by specific administrative measures taken by the City to acquire the land. These measures may be implemented through an administrative procedure taking 30 days or, if terms cannot be agreed between the City and the land owner, by a judicial process taking approximately 100 days. In the case of a judicial process, on submission by the City to the Court of the State of Rio de Janeiro, the Court will determine a provisional possession claim in favor of the City which is then entitled to proceed with the acquisition.

Realization of the Games Master Plan anticipates the relocation of some legal and illegal dwellings and acquisition of land to support infrastructure works. Where relocation of people is required, particularly those in less advantaged communities subject to regeneration projects, opportunities will be provided to relocate to new social housing that will significantly improve their living standards. In addition to the compulsory purchase protocol discussed above, the 1988 Federal Constitution establishes the fundamental rights for housing, while the Rio Master Plan defines the responsibility to enforce City land utilization and zoning.

All relocation of people is coordinated by the City's Habitat Municipal Secretariat. Three financial and social models support relocation in the instance of compulsory acquisition:

- Housing assistance/compensation: the City pays the full value of the property plus 40%
- Assisted acquisition: the owner identifies a new property and the City acquires it directly and transfers it to the owner. In this case, housing will be within the same neighborhood
- Full social assistance: new residential complexes are built for the community's residents. The community's overall requirements are considered, including gender, age and accessibility requirements. Schools, parks and office spaces also are built to sustain the new communities. If additional time is required for the new residential complex to be finalized, a rental fee is paid and social assistance is provided continuously to each family.

All procedures and policies practiced in Brazil and specifically in Rio are in accordance with international standards and the Games will present opportunities to regenerate areas and provide enhanced community facilities in key locations throughout the city.

9.10 TENDERING

FAIR, TRANSPARENT, COMPETITIVE PROCESS

Brazilian legislation ensures fairness, transparency and competitiveness in all tender processes. Established timeframes will guarantee the effective delivery of the venues for the Olympic and Paralympic Games and all required test events.

Permanent works

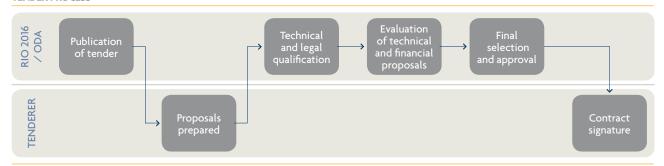
The tendering processes for all permanent venues, including the IBC/MPC, will be conducted by the ODA in compliance with the specific and established legislation for procurement (Federal, State and City). Tenders will be open to both national and international companies that meet the legal and technical criteria.

The majority of permanent venues, including the Olympic Training Center facilities in Barra, will be undertaken using a standard tender process for major works which has six key milestones, with specific timeframes for each as follows:

- 1 Publication of notices containing the rules to be followed by all participants, including the qualification requirements to be met, the desired capability and experience and the objective of the tender
- 2 Technical and legal qualification of the participants
- 3 Evaluation of the technical proposals
- 4 Evaluation of the financial proposals
- 5 Final selection and approval
- 6 Signature of the contract.

SPORT AND VENUES

TENDER PROCESS



In accordance with Brazilian legislation, protests and appeals can be addressed by unsuccessful bidders to the ODA within three to ten days.

Following the above mentioned process, tenders for the Olympic Training Center, X Park Precinct and Deodoro Modern Pentathlon Park will be published in two separate phases for design and construction to ensure the required qualification and timely construction of the venues. The Olympic and Paralympic Village and Barra Media Village developments will be undertaken by private institutions and, therefore, will not be subject to this procurement process. However, Rio 2016 will deliver the Games overlay for these projects and will be fully integrated into the design process.

Temporary works

The procurement for the temporary work at the venues (Games overlay) will be conducted by Rio 2016. Tender legislation applied to Government entities does not apply to non-Government entities such as Rio 2016. However, in the interests of ensuring competitiveness, quality and transparency, a similar procurement process will be applied for temporary works. The timelines will be adjusted to ensure the expeditious delivery of temporary works. These tenders will also be open to national and international companies.

Ensuring quality

For both Government and Rio 2016 tenders, the tendering entity (ODA or Rio 2016) will establish the selection criteria and for all Games projects an emphasis will be placed on capability, quality and experience to ensure the Olympic and Paralympic Games projects are implemented at the highest possible level. Sustainability considerations will be included among the selection criteria. Each tendering entity has the ability to implement its own weighting for specific criteria, ensuring that an appropriate balance of cost, quality and capability can be maintained for all projects.

Flexibility to adapt

Acknowledging the dynamic environment of an Olympic and Paralympic Games, with multiple stakeholders and service providers with very specific requirements, the Rio 2016 tender process, following Brazilian legislation, has flexibility to extend contracts for goods or services in each project by 25% within the framework of the agreed tender. This will provide flexibility in the latter stages of planning.

The expected timeline for each venue construction and overlay implementation is defined in the tables 9.4 and takes into account the above mentioned processes and has been subjected to risk management and contingency.

9.11 REPORTING AND MONITORING

INTEGRATED. TRANSPARENT PROJECT DELIVERY

The collaboration established between Government and the 2007 Pan American Games Organizing Committee underpinned the successful delivery of many permanent and temporary venues for those Games. This partnership provides the foundation on which the delivery responsibility matrix provided in question 9.8 above is built, ensuring accurate, timely and proactive monitoring and reporting on all Games projects throughout all phases of delivery.

Rio 2016 commits to monitor and report to the IOC on delivery of Games venues and infrastructure, and additionally on delivery of any non-Games works that may impact on successful completion of Games projects. Further, Rio 2016 commits to joint monitoring with the IOC regarding delivery of support services and facilities.

SPORT AND VENUES

With all permanent venues being the financial and delivery responsibility of Government, Rio 2016 will establish monitoring and reporting protocols with the ODA, given its overarching responsibility to coordinate delivery of capital works projects and Government services. This will be integrated with monitoring and reporting on delivery of Games overlay, a responsibility of Rio 2016.

Project Control Groups (PCG) will be established for each Games project, with representation by the venue owner, Rio 2016 Sport and Venues functions, the ODA, the future venue operator, consultants and contractors. The outcomes of the regular PCG meetings will form the basis of reporting content. Further, the ODA will engage an independent project auditor to give all parties further confidence of the accuracy of the joint monitoring and reporting mechanisms.

Reporting will be made to the IOC and IPC coincident with Coordination Commission meetings, Technical Meetings and Working Groups or Project Reviews as required, using tools agreed with the IOC. Physical inspections will complement the

reports. Rio 2016 will involve the IFs and the OBO in all relevant aspects of venue design and delivery and will encourage an open collaborative relationship to benefit from the substantial experience of the IFs and the OBO.

9.12 VENUE SCHEDULE

OPTIMAL USE OF VENUES

The proposed competition schedule, and subsequent venue schedule, has been designed with the full input and support of all IFs and has taken into consideration venue sharing options to maximize use of venues where feasible.

Enabling athletes to perform in ideal conditions and achieving high performance results has been the driving objective when determining session starting times, along with spectator load on venues and precincts, and consideration of broadcast times to countries where particular sports are popular. Further, the schedule design reflects optimal session lengths, in line with Rio 2016's full stadiums program.

TABLE 9.12 – VENUE SCHEDULE

COMPETITION VE	NUES	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
VENUE NAME	Sport/disci- pline/event	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BARRA CLUSTER																				
	Aquatics				09:30 13:30		09:30 13:30		09:30 13:30		09:30 13:30		09:30 13:30		09:30 13:30				09:30 12:00	
Maria Lenk	(Water Polo)				19:00 22:30	18:00 22:30	19:00 22:30	18:00 20:00	18:00 21:00		13:00 17:30									
Aquatic Center	Aquatics							09:00 12:00		09:00 12:00		09:00 12:00		09:00 12:00						
	(Diving)							13:30 16:00	15:00 17:00	13:30 16:00	15:00 17:00	13:30 16:00	15:00 17:00	13:30 16:00	15:00 17:00	14:00 16:00	14:00 16:00			
					09:00 13:00						11:0 16:0									
OTC - Hall 1	Basketball				14:30 18:30			17:30 22:30												
					20:00 24:00															
					10:00 14:30															
OTC IIII	Judo				20:00 22:00															
OTC - Hall 2	T. d d.																09:00 13:00	09:00 13:00	09:00 13:00	08:0
	Taekwondo																15:00 21:00	15:00 21:00	15:00 21:00	13:0 18:0
	Wrestling																09:30 13:00	09:30 13:00	09:30 13:00	
	(Freestyle) M																16:00 18:50	16:00 18:50	16:00 19:45	
OTC IIII	Wrestling														09:30 12:00	09:30 12:00				
OTC - Hall 3	(Freestyle) W														16:00 18:30	16:00 18:30				
	Wrestling										09:30 13:00	09:30 13:00	09:30 13:00							
	(Greco- Roman)										16:00 18:50	16:00 18:50	16:00 19:45							

SPORT AND VENUES

TABLE 9.12 – VEN	OE SCHEDULE																		CONT	" NOED
COMPETITION VEN		03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
VENUE NAME	Sport/disci- pline/event	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BARRA CLUSTER																				
					09:00 12:15	12:00 16:15	12:00 16:15	12:00 16:15	12:00 16:15	08:00 12:15	08:00									
OTC - Hall 4	Handball				14:00 17:15					13:30 18:20	13:30 18:20									
					19:00	19:00	19:00	19:00	19:00	19:00	19:00	19:00	19:00	19:00	18:00	18:00	18:00	18:00	10.20	10.20
					22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15	22:15		-
	Aquatics				10:00 12:00															
Olympic	(Swimming)				19:00 21:00															
Aquatics Stadium	Aquatics				21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00		14:30	14:30	14:30		14:30	14:30	
	(Synchronized Swimming)													16:30	16:30	16:30		16:30	16:30	
	,					08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	08:30	
Olympic						12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	13:00	13:00	13:00	13:00	
Hockey Center	Hockey					17:30	17:30	17:30	17:30	17:30	17:30	17:30	17:30	17:30	17:30					
						18:30 22:30	17:30 22:00	17:30 22:00	17:30 22:30	17:30 22:30										
01 :					10:30 14:30	10:30 14:30	10:30 14:30			10:30 14:30	10:30 14:30	10:30 14:30								
Olympic Tennis Center	Tennis				16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00						
					22:00	22:00	22:00	22:00	22:00	22:00	22:00	22:00	22:00	22:00					10.00	
					13:30 16:00	13:30 15:00	19:00 22:00	19:00 21:30		19:00 21:45	19:00 21:00		19:00 22:00	19:00 22:00					19:00 20:30	
	Cympastics				16:30 19:00	15:30 17:00														
	Gymnastics (Artistic)				20:00	18:00														
Rio Olympia					22:30	19:30														
Rio Olympic Arena						21:30														
	Gymnastics													09:00 16:30	09:00 19:00	14:00 17:00	19:00 21:30	20:00 21:30		
	(Rhythmic)															19:00				
	Gymnastics								19:00			19:00				21:00				
	(Trampoline)								21:00			21:00								
Rio Olympic	Cycling											10:00 12:00								
Velodrome	(Track)									16:30 19:00	16:30 19:30	16:30 19:00	16:30 19:00	16:30 20:00						
					13:30	13:30	13:30	13:30	13:30	13:30	13:30	13:30						13:30		13:30
Riocentro - Pavilion 2	Boxing				17:00	16:30 19:00	16:30 19:00	16:30	17:00 19:00	16:30 19:00	16:30 19:00	16:30	19:00	19:00	19:00	19:00		16:00 19:00	19:00	17:00
					22:30	22:00	22:00	22:00	22:30	22:00	22:00	22:00	22:00	22:00	22:00	21:00		22:00	22:00	
					10:00 13:00	10:00 13:00	09:00 12:00	10:00 13:00	10:00 13:00	10:00 13:00	10:00 17:00	10:00 16:00	10:00 16:00	10:00 12:00	10:00 12:00					
Riocentro - Pavilion 3	Table Tennis				14:30 17:30	14:30 17:30	14:30 17:30	14:30 17:30	14:30 17:30	14:30 17:30				13:30 17:30						
ravillol13					19:30	19:30	19:30	19:30	19:30	19:30	18:00	18:00	18:00	19:30	19:30					
					22:30 09:00	22:30 09:00	22:30 09:00	22:30	22:30	22:30 10:00	22:00	23:00	22:00	21:30	21:30					
					12:00	12:00	12:00	13:30	13:30	13:30	13:30									
Riocentro - Pavilion 4	Badminton				14:00 16:30	14:00 16:30	14:00 16:30													
					18:30	18:30	18:30	18:30	18:30	18:30	18:30	18:30	18:30							
					22:30	22:30 10:00	22:30	22:00	22:00	22:00	22:00	22:00	22:00							
					12:00	14:00	14:00	14:00	14:00		14:00									
Riocentro - Pavilion 6	Weightlifting					15:30 17:30	15:30 17:30	15:30 17:30	15:30 17:30		15:30 17:30		15:30 17:30	15:30 17:30	15:30 17:30					
						19:00	19:00	19:00	19:00		19:00	19:00	19:00 21:00	19:00	19:00 21:00					
COPACABANA BEA	CH CLUSTER			1		21:00	21:00	21:00	21:00		21:00	21:00	21:00	21:00	Z1:UU					
						09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	10:00	10:00	09:00	09:00	09:00		
Copacabana Stadium	Volleyball (Beach)					15:00 17:00	15:00 17:00	15:00 17:00	15:00 17:00	15:00 17:00	23:00	13:00	13:00	12:00	12:00	11:00	12:30	12:30		
	, ,					23:00	23:00	23:00	23:00	23:00		22:00	22:00	22:00						
Fort Copacabana	Aquatics (Marathon Swimming)													09:00 12:00	09:00 12:00					
,	Triathlon							10:00 12:45	10:00 12:45											
								12:45	12:45											

SPORT AND VENUES

COMPETITION VEN	IUES	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
VENUE NAME	Sport/disci- pline/event	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FLAMENGO PARK (-2	-1					4		0	,	0	7	10	- 11	12	13	14	13	10
	Cycling				11:00 17:30				11:30 13:00											
Flamengo Park	(Road)					14:00 17:30			13:30 17:30											
	Athletics (Race Walk)											08:00				08:00			07:30 12:30	
Marina da Glória	Sailing					09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	09:00	12.30	
DEODORO CLUSTE	0					18:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00		
					10:00 14:00	10:00 15:00	10:00 15:00	10:00 14:00	10:00 16:30	09:30 15:30	09:00 17:00	09:00	09:30 15:30							
Deodoro Arena	Fencing				19:00 21:00	19:00 21:30	19:00 21:30	19:00 21:00	18:00 22:30	18:00 20:30	18:00 21:30	18:00 21:30	18:00 20:30							
Deodoro Modern Pentathlon Park	Modern Pentathlon				21.00	21.50	21.50	21.00	22.50	20.50	21.50	21.50	20.50					08:30	08:30	
rentatiitoii raik	Equestrian										16:30	16:30		16:30		17:30		20.00	20.00	
	(Dressage)					08:30	08:30	08:00	16:30		21:30	21:30		21:00		21:00				
National Equestrian Center	Equestrian (Eventing)					12:30 17:30	12:30	11:30	21:30											
	Equestrian					21:30							17:30		17:30		17:30	16:30		
	(Jumping)												21:30		21:30		21:00	20:45		
National	Shooting (Rifle & Pistol)				08:30 16:00	09:00 13:00	09:00 13:00	09:00 13:00	09:00 16:00	09:00 13:30	09:00 15:00	09:00 13:00	09:00 14:30							
Shooting Center	Shooting (Trap)				09:00 13:30	09:00 16:30	09:00 16:30	09:00 16:30		09:00 16:30	09:00 13:30	09:00 16:30								
Olympic BMX Center	Cycling (BMX)														09:00 12:00	09:00 12:00				
Olympic Mountain Bike Park	Cycling (Mountain Bike)																	13:30 15:30	13:30 16:00	
Olympic White- water Stadium	Canoe/Kayak (Slalom)					10:00 14:00	10:00 13:30	10:00 14:00	10:00 13:30											
MARACANÃ CLUST	ER	ı		ı	ı		l I				1			1	ı	1	ı	ı		
Maracanã Stadium	Opening/ Closing Ceremonies			Cere.																Cere
	Football							17:00 21:30						17:00 21:00	17:00 21:00		17:00 21:00	17:00 21:00		
					09:00 12:30	10:00 14:00														
Maracanãzinho Arena	Volleyball				14:30 17:30															
					19:00 22:30															
					11:00	10:00	10:00 13:00	09:00 12:30	09:00 12:30	10:30 12:30	10:30 12:30									
	Archery				14:00	15.50	15.00	14:00	14:00 17:00	12.50	12.50									
Sambódromo	Athletics				16.00			17:00	17.00											09:00
	(Marathon) M Athletics												09:00							12:00
STAND-ALONE	(Marathon) W												12:00							
	Athletics										09:00	09:00	07:30	09:00	09:00		09:00	07:30		
João Havelange Stadium	(Track and Field)										13:30	13:30	10:40 18:00	12:00 18:00	11:30 18:00	18:00	13:00	16:00 18:00	18:00	
	Canoe/Kayak										22:00	22:00	22:30	21:30	22:00 10:00	22:30	21:30	21:30	20:30	10:00
Lagoa Rodrigo de Freitas	(Flatwater)				10:00	10:00	10:30	10:00	10:00	10:00		10:00	10:00		13:30	13:30	13:30	13:30	13:30	13:30
	Rowing				14:00	14:00	13:00	16:00	12:30	12:00		12:00	12:30							
FOOTBALL CITIES Fonte Nova	Football		17:00			17:00			17:00		17:00	17:00								
Stadium (Salvador) Mané Garrincha		17:00	21:30		17:00	21:30			21:30		21:30	21:30								
Stadium (Brasília)	Football	21:30	21:30		21:30	21:30		17.00	21:30		21:30	21:30								-
Mineirão Stadium (Belo Horizonte)	Football	17:00 21:30	17:00 21:30		17:00 21:30	17:00 21:30		17:00 21:30	17:00 21:30		17:00 21:30	17:00 21:30								
Morumbi Sta- dium (São Paulo)	Football	17:00 21:30	17:00 21:30		17:00 21:30	17:00 21:30		17:00 21:30	17:00 21:30		17:00 21:30	17:00 21:30								





9.13 ELECTRICAL POWER

CLEAN ENERGY FOR RIO'S GAMES

9.13.1 UTILITY GRID AND GENERATING PLANTS

Currently 89% of Brazil's electrical energy is produced from renewable sources, primarily hydroelectric generation. A new wind power plant close to Rio will generate 180MW, delivering a capacity higher than current estimated Games needs. In addition, Rio 2016 plans to supply some venue services such as water heating from solar power and fuel cell generators as backup sources. Rio 2016 will use a network of sources with 100% of its requirements able to be generated from clean energy sources.

The electrical energy sector is highly successful and well structured. The regional network of the State of Rio is part of Brazil's National Interconnected System (SIN). Today more than 95% of the country's electricity capacity is interconnected by SIN with approximately 170,000km of transmission lines, ensuring redundancy for the overall supply to the City of Rio. The City of Rio is connected with the national grid at three main gates.

The peak power loads in the City of Rio in winter/summer of 2007 equaled 4,500/5,300MW. The growth of power demand in Rio was and will remain less than the average of the southeast region of Brazil (only 0.8% per year). At the time of the 2016 Olympic and Paralympic Games the total power demand in Rio, including the Olympic venues, is likely to reach 4,900MW. Installed power for the Olympic premises in the city is estimated to be approximately 93MW (2% of demand), including new and existing venues. The additional venues raise some new requirements for the distribution system in terms of redundancy and reliability, which are addressed in the already planned measures.

Rio produces more electrical energy than it consumes and, as such, could export energy to other regions. Even in the absence of the interconnected system it would be possible to operate Rio power grid as a power island. To provide this energy the power plants already installed in Rio generate more than 5,800MW.

Power infrastructure developments will be funded from Federal budgets and their subsidiary power companies, from the

privately owned local energy distribution company and from private sources. The final balance between Government and private capital depends on the results of the energy auctions. The two last auctions in 2008 for new energy confirmed additional power of 1,935MW for 2011 and 5,556MW for 2013.

9.13.2 ADDITIONAL POWER

The long-term development goals for Rio already require the Company of Energy Research (EPE) to formally plan the improvement of Rio's supply network and its connection with the national grid. These planned improvements provide an already secured solution to support the requirements of Rio 2016 to operate the Games.

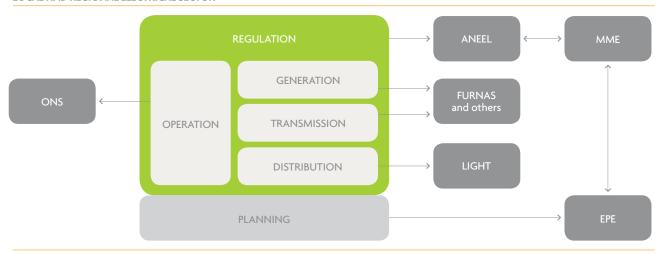
9.13.3 LOCAL AND REGIONAL ELECTRICAL SECTOR

The following organizations are important for the successful planning, implementation and operation of the system concerning the State and City of Rio:

- EPE Company of Energy Research A state-owned company subordinated to the Ministry of Mines and Energy (MME), responsible for the strategic planning of the energy sector in Brazil
- ANEEL National Agency of Electrical Energy The regulatory agency for the electrical sector linked to the MME. Its responsibilities include regulation and control of market and also conduct of the energy auctions every year
- FURNAS Furnas Centrais Elétricas S.A. A state-owned company, responsible to produce and transport energy delivered to the city
- LIGHT Light Serviços de Eletricidade S.A. A privately owned company responsible for the distribution system under 138kV.
 LIGHT sells energy to consumers and is responsible to deliver power to all locations of the Games in Rio
- ONS National Operator of the Electrical System A nonprofit organization composed of market stakeholders. It is responsible for coordinating and controlling the operation of the SIN under the supervision and regulation of ANEEL.

SPORT AND VENUES

LOCAL AND REGIONAL ELECTRICAL SECTOR



9.13.4 DISTRIBUTION PLANNED IMPROVEMENTS

Brazil will experience increased power consumption of approximately 57% by 2017. Due to the yearly revision of the Decennial Energy Expansion Plan (PDE) and the subordinated auctions that take place each year, no additional power projects, with the exception of those already planned, will be necessary for the Games.

The majority of the existing venue locations already have reliable electricity supplies from the local distribution network. In 2007, the region's average service reliability was 99.9%. Local investments to improve the network redundancy and to increase the system reliability are planned regardless of the Games and will be completed before 2016.

9.13.5 HIGH QUALITY POWER

The power delivered in Rio is of excellent quality and under acceptable variable levels for regular use. Rio 2016 acknowledges the importance of providing stable, reliant power, accommodating different client needs, with appropriate contingencies built into the systems. To deliver power within narrow parameters required for specialized equipment across the Games venues, special power supply will be installed at the venue power distribution substations. These solutions will be based on fuel cells generators with hydrogen supplied from ethanol. Electrical power for broadcasting will use this source deploying a configuration of twin pack sets to achieve the highest levels of fault tolerance.

The 2007 Pan American Games experience provided many lessons from which Rio 2016's broadcasting power supply operation solution will be developed in close cooperation with Olympic Broadcasting Services (OBS).

9.14 TEST EVENTS

TESTING TO ACHIEVE OPERATIONAL READINESS

Learning from recent experience, Rio 2016 will establish a comprehensive readiness and testing program. In recognition of the importance of this phase of the Games life cycle, an initial test event concept has already been developed, with test events planned from 24 to six months before the Games.

Competition test events

Rio 2016 will work with the IFs, the National Federations and the IOC and IPC to determine a program of events in all sports and disciplines in their Games-time venues, in Olympic and Paralympic format wherever feasible.

Following the advice and experience of previous organizing committees, the test event program will be organized in a number of 'clusters by time', including a 'super cluster' test conducted 12 months before the Games to load test the integration of certain functional areas.



SPORT AND VENUES

From the venues perspective, the schedule of test events will reflect the construction completion dates of the planned and additional venues that will be built specifically for the Games, as well as the availability of technology systems.

Further, the test event program will be used to optimize the early installation of temporary elements such as cabling that can remain in place through Games time, thus eliminating unnecessary and costly retrofit and re-installation. From the general infrastructure perspective, the test events will be planned to ensure that the public and Games Family transport systems are stressed and all operational plans integrating venues, transport and City operations are feasible for any working or weekend day during the Games.

Under the technical supervision of the IFs, test events will test the operational readiness of the venues, particularly the fields of play, technology and other Games management systems, the venue teams and the overall systems and procedures that will apply at Games time. They will also provide an invaluable opportunity to receive feedback from the IOC, the IPC, the IFs, the athletes and other clients. Furthermore, they will be incorporated into the Workforce Training and Development program for all related staff, volunteers and national technical officials.

Recognizing that testing is a key element of Games readiness, the test event program will be fully integrated within Rio 2016's overall planning and coordination life cycle. As such, the test event strategy will be developed before the 2012 Olympic and Paralympic Games, enabling the observation experience to be used as the basis for finalizing the test event program. The program will be made public within six months of IOC approval to assist with the overall promotion and publicity of the Games and its ticketing and communications campaigns.

A number of Paralympic sports test events will also be conducted.

Non-competition test events

A comprehensive testing program will be developed for non-competition venues including airports, the Olympic and Paralympic Village and the IOC Hotel. Events such as the ANOC General Assembly, World Broadcaster Meetings and Sponsor Workshops will provide the testing framework.

Functional testing

Functional testing, outside event mode, will supplement the competition and non-competition testing program, thereby ensuring the best possible assessment of readiness across the Games theater.

9.15 WORKFORCE

EXPERIENCED SPORT RESOURCES

Rio has an experienced and extensive sports event workforce as a result of the 2007 Pan American and Parapan American Games, in which more than 1,500 paid staff were involved directly in the Games organization and staging. In addition, this enthusiastic workforce will be boosted by the 2014 FIFA World Cup being staged in Brazil.



Hand-picked paid staff

The varied skill set required within the paid workforce will necessitate recruiting from diverse sources, including National Federations and relevant university programs. Meeting the technical requirements of positions as diverse as Competition Managers, Sport Presentation Announcers and Sport Services and Sport Publications staff is recognized and Rio 2016 will collaborate with IFs to ensure appropriate staff are identified.

To achieve the required professional level, Rio 2016 and the Governments will promote training and certification of professionals and volunteers in knowledge areas such as Sports Results. Specific training will be provided to enhance professional expertise in sports rules awareness, timing and results homologation and results technology. The recruiting strategies will align with the qualification criteria defined by each area of expertise and certifications.

Established volunteer culture

With the largest proportion of the sport workforce made up of volunteers, Rio 2016 will benefit directly from one of the key legacies of the 2007 Pan American Games: its volunteer program. More than 80,000 people applied to be volunteers and 14,000 were chosen to work under the Games Workforce Program *Força Rio 2007*. An additional 6,000 volunteers took part in the ceremonies.

Many of the sports volunteers were drawn directly from physical education colleges and sports schools, while others were experienced professionals from various fields including commerce, medicine and advertising. All were assigned to the most relevant areas. The program served to strengthen the value of non-paid community-based activities in Brazil such that since the Games, many volunteers have subsequently participated in other sports competitions or entered employment, demonstrating the value of sport as a tool for social transformation. Rio 2016 is confident that this trend will continue.

Rio 2016 has continued to communicate with all volunteers on the 2007 Pan American and Parapan American Games database to maintain their interest in volunteering for the 2016 Olympic and Paralympic Games and will provide the opportunity to register as a volunteer for 2016.

City-wide research to ascertain interest in becoming a volunteer for 2016 Olympic and Paralympic Games yielded very positive results, particularly from young adults in the State of Rio.

SPORT AND VENUES

Officiating: experience + opportunity

Many hundreds of technical officials, already with experience from the many international events hosted in Rio, were nominated by the National Federations to officiate at the 2007 Pan American Games, already possessing the necessary knowledge and experience from previous events and technically proficient to officiate at the international level. This experienced group will form the core of the national technical official workforce. Discussions have taken place with those National Federations whose sports are less developed in Brazil, and agreements reached to design training courses, observation and participation opportunities both in Rio and within South America, to increase the technical proficiency of these officials to the standard that will be required. Such training programs will focus not only on Brazilians but will also benefit technical officials in the South American region, leaving a legacy of trained and practically experienced officials throughout Brazil and the region.

9.16 SPORTS EXPERIENCE

HUNDREDS OF EVENTS,
THOUSANDS OF ATHLETES, YEARS OF EXPERIENCE

Brazil has a long heritage of hosting sporting events dating back to the 1950 FIFA World Cup. Over the last 10 years Brazil, and more specifically Rio, has consistently demonstrated its capacity to host and conduct high level sporting events. These have included 35 World Championships nation-wide in a range of sports as diverse as Basketball, Judo, Sailing, Table Tennis and Volleyball, as well as many others. Furthermore, hundreds of other sporting events have been held at the Pan American and South American regional levels, with Brazil continuing to prove a popular destination for other international meets of lower levels. Only the major events have been included in Table 9.16 due to space limitations.

Most recently, Rio was host to the successful and widely praised 2007 Pan American Games (with more than 5,650 athletes competing in 34 sports) and Parapan American Games (with 1,300 athletes competing in 10 sports).

In 2011, Rio will host the 5th CISM Military World Games with projected attendances of 7,000 athletes from 100 countries participating in 24 sports. In 2013, it will host the 2013 FIFA Confederations Cup and, in 2014, the FIFA World Cup.

All these events have enabled a great amount of event knowledge and technical expertise to be developed, and enabled the creation of a culture of volunteerism, an extensive database of willing participants to assist in the conduct of such events and enthusiastic and educated sports spectators who consistently turn out to support the athletes of the world.



SPORT AND VENUES

TABLE 9.16 - SPORTS EXPERIENCE

DATE	SPORT	Event and level of competition	Location (city)
MULTI SPOR		Event and level of competition	Location (city)
2007	CIO ETEINIO	XV Pan American Games	Rio de Janeiro
2007		VII South American Games	Rio de Janeiro / São Paulo / Belém / Curitiba
	DLYMPIC SPORTS	VII SOUTH AIHEILCAN GAINES	INIO de Janeiro / São Fauto / Deterri / Cufitiba
	AMPIONSHIPS		
2008	Athletics	IAAF World Half Marathon Championship	Rio de Janeiro
2008	Table Tennis	XIV ITTF World Master Championship	Rio de Janeiro
2007	Canoe/Kayak (Slalom)	ICF World Championship - Senior	Foz do Iguaçu
2007	Judo	25th IJF World Championship	Rio de Janeiro
2007	Basketball	FIBA Women's World Championship	São Paulo
2006	Cycling	BMX World Championship	São Paulo
2006	Handball	Beach Handball World Championship - Men and Women	Rio de Janeiro
2006	Aquatics (Swimming)	FINA Junior World Championship	Rio de Janeiro
2005	Volleyball (Beach)		Rio de Janeiro
	<u> </u>	FIVB World Championship - Men and Women Under 21	
2004	Canoe/Kayak	ICF World Championship - Senior	Florianópolis
2004	Sailing	ISAF Finn World Championship	Rio de Janeiro
2003	Volleyball (Beach)	FIVB World Championship - Men and Women	Rio de Janeiro
2002	Football	FIFA Club World Championship	Rio de Janeiro / São Paulo
PAN AMERIC		Pan American Championship	São Carlos
2008	Handball Handball	Pan American Championship - Men	São Carlos
2008		Pan American Junior Championship - Men and Women	Blumenau
2008	Hockey	Champion Club Pan American Cup	Rio de Janeiro
2007	Athletics	Pan American Junior Championships	São Paulo
2007	Volleyball	America's Cup	Manaus
2006	Badminton	Pan American Junior Championship	Campinas
2006	Cycling	Cross Country Pan American Championship	Camboriú
2006	Cycling	Road Pan American Championship	Indaiatuba
2006	Cycling	Track Pan American Championship	Caieiras
2006	Triathlon	Pan American Championship	Brasília
2005	Gymnastics (Artistic)	Pan American Championship - Men	Rio de Janeiro
2005	Boxing	Pan American Championship	Teresópolis
2005	Gymnastics (Rhythmic)	Pan American Championship	Vitória
2004	Shooting	American Continental Cup	Americana
2003	Boxing	Pre-Pan American Championship	Belém
2003	Aquatics (Diving)	Pan American Junior Championship	Belém
2003	Taekwondo	2nd Pan American Junior Championship	Rio de Janeiro
2002	Basketball	America´s Cup	Ribeirão Preto
2002	Modern Pentathlon	Pan American Championship	Rio de Janeiro
SOUTH AME			
2008	Athletics	Athletics GP - South American	Uberlândia
2008	Equestrian	South American Championship - Junior and Youth	Rio de Janeiro
2008	Football	II South American Championship - Women Sub-20	Porto Alegre
2008	Shooting	South American Championship	Rio de Janeiro
2008	Aquatics (Swimming)	CONSANAT South American Championship	São Paulo
2008	Aquatics (Water Polo)	South American Championship - Men and Women	São Paulo
2007	Athletics	South American Championships	São Paulo
2007	Modern Pentathlon	South American Championship - Open	Rio de Janeiro
2006	Canoe/Kayak	South American Championship - Junior and Youth	São Paulo
2005	Rowing	Soutn American Championship	São Paulo
2004	Athletics	Cross Country South American Championship	Rio de Janeiro
2004	Basketball	South American Championship	Campos
2004	Equestrian	South American Championship	São Paulo
2004	Judo	South American Championship	Rio de Janeiro
2003	Aquatics (Synch. Swimming)	South American Championship - Junior	João Pessoa
2002	Gymnastics (Artistic)	VII South American Games	Curitiba
2002	Sailing	Star South American	Rio de Janeiro
2002	Aquatics (Swimming)	CONSANAT South American Championship - Absolut	Belém
2001	Badminton	South American Championship - Junior	Rio de Janeiro
2001	Aquatics (Diving)	South American Championship	Rio de Janeiro

SPORT AND VENUES

DATE	SPORT	Event and level of competition	Location (city)
	ONAL MEETS	Event and level of competition	Location (city)
Annual	Badminton	Brasil Cup	São Paulo
Annual	Cycling	Intenational Americas Cup	Rio de Janeiro
Annual	Cycling	MTB International Cup	Minas Gerais
Annual	Cycling	9 de julho International Cycling Race	São Paulo
Annual	Athletics	Brasil Grand Prix	Belém / Rio de Janeiro
	Athletics	Athletics GP - Rio de Janeiro	
2008		·	Rio de Janeiro
2008	Shooting	World Cup Rio de Janeiro	Rio de Janeiro
2008	Aquatics (Swimming)	World Cup	Belo Horizonte
2007	Gymnastics (Artistic)	BRA X CAN X GBR International Tournament	Natal
2007	Equestrian	International Eventing	Minas Gerais / Porto Alegre
2007	Football	2010 World Cup Qualifier	Rio de Janeiro
2007	Rowing	Olympic Continental Qualification Regatta	Rio de Janeiro
2007	Sailing	Rio de Janeiro International Week	Rio de Janeiro
2007	Table Tennis	XVII Latin American Championship	Guarulhos
2007	Tennis	Davis Cup	Florianópolis
2006	Gymnastics (Artistic)	World Cup Finals	São Paulo
2006	Athletics	III Athletics Grand Prix - Rio de Janeiro	Rio de Janeiro
2006	Equestrian	International Eventing	Rio de Janeiro / São Paulo / Minas Gerais
2006	Shooting	World Cup Resende - Rifle and Pistol	Resende
2006	Tennis	Davis Cup	Belo Horizonte
2006	Volleyball	World League	Belo Horizonte / Brasília / Fortaleza
2005	Volleyball (Beach)	World Tour - Men and Women	Salvador
2005	Aquatics (Swimming)	World Cup	Belo Horizonte
2005	Tennis	Davis Cup	Joinville
2004	Gymnastics (Artistic)	World Cup	Rio de Janeiro
2004	Modern Pentathlon	World Cup	Rio de Janeiro
2004	Aquatics (Water Polo)	Water Polo Olympic Qualifier Tournament - Men	Rio de Janeiro
2002	Volleyball (Beach)	World Tour - Women and Men	Vitória / Fortaleza
2002	Equestrian	South American Championship - Junior and Youth	São Paulo
2001	Football	World Cup Qualifier	
	Volleyball		São Paulo / Porto Alegre
2001		World Championship Qualifier	São Caetano
2000	Athletics	Ibero American Championship	Rio de Janeiro
2000	Triathlon	World Cup ITU Triathlon Copacabana	Rio de Janeiro
	NON-OLYMPIC SPORTS		
	HAMPIONSHIPS	ere e	a. I
2008	Futsal	FIFA Futsal World Cup	Rio de Janeiro / Brasília
2003	Baseball	World Championship - Boys Junior League	Ibiúna .
2000	Baseball	I World Championship - Boys	Ibiúna
PAN AMER			
2007	Squash	17 th Pan American Championship	Rio de Janeiro
2000	Squash	10 th Pan American Championship	Belo Horizonte
1999	Karate	X Pan American Championship - Junior and Youth	São Paulo
SOUTH AN	MERICAN		
2008	Rugby	South American Championship - Men	São José dos Campos
2007	Golf	South American Championship - Junior	Rio de Janeiro
2005	Baseball	South American Championship	São Paulo
2005	Karate	South American Championship	Recife
2004	Golf	South American Championship - Pre Junior	São Paulo
2004	Rugby	South American Championship - Men	São Paulo
2002	Golf	South American Championship	Rio de Janeiro
2002	Rugby	South American Championship - Men	Rio de Janeiro
	ONAL MEETS		
2007	Squash	City Open	Rio de Janeiro
2006	Rugby (Sevens)	São Paulo Internacional Rugby Sevens	São Paulo
2006	Squash	Companion Open	São Paulo
	<u> </u>		
2005	Golf	Brasil Open	Costa de Sauípe
2005	Rugby	Rugby World Cup Qualifier	São José dos Campos
2004	Rugby (Sevens)	São Paulo International Rugby Sevens	São Paulo
2004	Squash	São Paulo International	São Paulo
2003	Golf	Brasil Open	São Paulo
2000	Golf	Brasil Open 500 Years	Rio de Janeiro





- Inspiration and change through equality
- Building on success of recent events
- Fully integrated Olympic and Paralympic Games
- Physical and social legacies
- Paralympic Movement throughout South America

INTRODUCTION

With total commitment to an active and enthusiastic partnership with the Paralympic Movement, Rio 2016 is committed to staging inspirational Paralympic Games that showcase determination, courage and respect - and the potential of every human being to excel.

The 2016 Paralympic Games in Rio de Janeiro will build on the City's experience in hosting the 2007 Parapan American Games, described by the International Paralympic Committee (IPC) and the Americas Paralympic Committee as 'the best ever' Parapan American Games. The event was the first to be given the same status as the Pan American Games and to use the same facilities. Rio locals and all Brazilians warmly welcomed some of the continent's most inspirational athletes and celebrated their sporting achievements. The local media provided extensive Games coverage, with many athletes enjoying a national profile, encouraging more Brazilians with disabilities to become involved in sport.

Brazil has participated in every Paralympic Games since 1972 and the Brazilian Paralympic Committee (BPC) benefits from substantial Government funding, lottery funding and favorable tax laws incentivizing private sector contributions. Brazil's Paralympic Games performances are consistently and substantially improving (Brazil placed 24th in the medals table in Sydney, 14th in Athens and 9th in Beijing). This success has generated a growing television audience as evidenced from the Beijing Paralympic Games coverage of more than 130 hours. This growth, together with the range of Paralympic sports events hosted in the last ten years, has led to a significant increase in awareness and understanding of people with accessibility needs and other issues.

O CO BIO INTENDENCE DI LA COMPANIONA DI

Staging the Paralympic Games in Rio provides an opportunity to promote the benefits of inclusion. Building on the foundations already established, the Rio 2016 Paralympic Games will also generate a powerful physical legacy through the creation of extended accessibility infrastructure, including at visitor attractions, iconic sites and events. While some of Rio's primary attractions such as Sugar Loaf Mountain are currently wheelchair accessible, others, such as Corcovado (Christ the Redeemer), will be upgraded to ensure access for all.

The Rio 2016 Paralympic Games will provide inspiration beyond Brazil. As a regional leader, Brazil has the opportunity to influence South America, as seen by the significant change at the regional level and appreciation of Paralympic sport brought about by the 2007 Parapan American Games. The partnership between the IPC and Rio 2016 will further stimulate development of the Paralympic Movement in Brazil, throughout South America and beyond.

10.1 PARALYMPIC GAMES PHILOSOPHY AND CONCEPT

INCLUSIVE GAMES WITH LASTING LEGACIES

The Rio 2016 philosophy for the Paralympic Games is to embrace inspiration and change through equality. Rio 2016 will be an integrated Olympic and Paralympic Games. Both Games will be planned and delivered by the same Organizing Committee, guaranteeing equal levels of commitment. The same venues will be used.

Seven key concepts underpin the philosophy:

- The festival continues: Rio's unique spirit of celebration will continue throughout the entire Olympic and Paralympic Games period
- Universal accessibility: Prior to both Games, the streets, transport modes, venues and public spaces will be modified and the workforce educated and trained to ensure maximum lasting benefits
- Games experience: Accessibility policies common to both Games will ensure inclusiveness for all
- Fresh inspiration: New and diverse heroes and leaders with disabilities will emerge, to educate and inspire
- Seamless tourism: Rio will welcome new visitors from around the world
- Inclusive culture: Children and young people will have a positive regard for people with disabilities, improving inclusiveness throughout society
- Tangible legacy: Both physical and social, with new infrastructure and venues such as the Olympic Training Center facilities which will integrate Olympic and Paralympic athletes, an extensive workforce trained and ready as a resource for future events in Brazil and South America, and changes in the perception of people with disabilities.

10.2 KEY DATES

TIME TO CELEBRATE

The Paralympic Games will begin on Independence Day, a national holiday, enabling all Brazilians to celebrate the Opening Ceremony. The key dates are:

- Paralympic Village opening 31 August 2016
- Paralympic Opening Ceremony 7 September 2016
- Paralympic Closing Ceremony 18 September 2016
- Paralympic Village closing 21 September 2016

During this period weather conditions in Rio remain ideal, both for athletic performance and spectator comfort.

10.3 EVENT EXPERIENCE

SIGNIFICANT KNOW-HOW

Since its inception in 1995, the Brazilian Paralympic Committee, in conjunction with the various National Paralympic Sports Organizations, has been involved in the staging of a wide range of international competitions across various sports. Most significant were the Rio 2007 Parapan American Games, internationally regarded as a significant boost to the Paralympic Movement in the Americas. The 2007 Parapan American Games also demonstrated Rio's capability to stage a major multi-sport event for athletes with disabilities, with an effective transition from the Pan American Games, and showed widespread acceptance and participation in the event by spectators and the community.

Additional experience has been gained through other major events, including the III International Blind Sports Federation World Championships and Games, resulting in a significant pool of professionals and volunteers trained to work in Paralympic events.

The table below lists key events conducted in Brazil over the past ten years.

PARALYMPIC SPORTS EXPERIENCE

DATE	Sport	Event and level of competition	Location (city)
MULTI SPORTS EV	/ENTS		
2007	10 sports	Parapan American Games	Rio de Janeiro
2007	5 sports	III IBSA World Championships and Games	São Paulo
2005	5 sports	Wheelchair & Amputee World Games	Rio de Janeiro
2005	4 sports	IBSA Pan American Games	São Paulo
WORLD CHAMPI	ONSHIPS		
2007	Football 7-a-side	World Championship	Rio de Janeiro
2007	Volleyball (Sitting)	Junior World Championship	Rio de Janeiro
2006	Boccia	World Championship	Rio de Janeiro
2006	Wheelchair Tennis	World Championship (World Team Cup)	Brasília
2005	Judo	World Cup	São Paulo
2002	Goalball	World Championship	Rio de Janeiro
2002	Football 5-a-side	World Championship	Rio de Janeiro
2002	Wheelchair Basketball	U-23 World Championship	Blumenau
2001	Judo	World Cup	Rio de Janeiro
1998	Football 5-a-side	World Championship	Paulínia
PAN AMERICAN (CHAMPIONSHIPS		
2006	Football 5-a-side	America Cup	São Paulo
2003	Table Tennis	Pan American Championship	Brasília
2003	Wheelchair Basketball	America Cup	Vitória
2001	Football 5-a-side	America Cup	Paulínia
SOUTH AMERICA	AN CHAMPIONSHIPS		
2003-2005	Equestrian	South American Championship	São Paulo
INTERNATIONAL	MEETS		
2007-2008	Athletics and Swimming	International Paralympic Meeting	Rio de Janeiro
2006	Equestrian	Brazilian Open Championship	São Paulo
2005-2008	Athletics and Swimming	Loterias Caixa Circuit	Brazilian Cities





10.4 STRUCTURAL INTEGRATION

ONE ORGANIZATION, TWO GAMES

Planning and delivery of the 2016 Olympic and Paralympic Games will be completely integrated. This will be reflected in the structure of Rio 2016 and supporting agencies, with all organizations having responsibility for both events.

Nevertheless, being equal yet different, Rio 2016 recognizes that the Paralympic Games require specific focus. Accordingly, various initiatives and activities will be implemented to achieve this. A representative of the Brazilian Paralympic Committee will have full membership on the Board of Rio 2016. A Paralympic Games department, headed by a senior manager, will be established within Rio 2016 specifically responsible for oversight and integration of the Paralympic Games. This functional area will bring extensive experience in the planning and organizing of Paralympic sports events, and will facilitate the work required by other functional areas and external agencies. Further it will be the key point of liaison with the Brazilian Paralympic Committee, ensuring its continual support and input.

Each functional area will ultimately be responsible for integration of Paralympic planning and operations, including accessibility and transition, and where appropriate, staff will be employed to work specifically on the Paralympic Games, for example, in Paralympic-only sports.

The appointment of an Accessibility Manager will enable oversight across planning by Rio 2016 and its partners to ensure compliance with all Games accessibility requirements, including the cultural program and other major activities.

10.5 VENUES

10.5.1 PARALYMPIC VENUES

WORLD-CLASS ACCESSIBLE VENUES

Competition venues for the Rio 2016 Paralympic Games have been selected in alignment with the City Master Plan, its legacy strategy and on the basis of meeting Games technical requirements. The athlete experience is the other primary criterion, with spectacular world-class venues close to the Paralympic Village. A third principle is that Paralympic sports will be held in the same venues as their Olympic equivalent.

All new venues constructed for the 2007 Parapan American Games were designed using best practice international standards for accessibility and sustainability, and with consideration of all necessary operational and technical requirements for major events. For all planned and additional venues, whether permanent or temporary, a comprehensive briefing process has been undertaken to ensure the same high standards will be met, thus ensuring accessibility for all venues for both Olympic and Paralympic Games, and minimal transition period works.

Accessible seating has been planned in line with the IOC Technical Manual on Design Standards for Competition Venues and the Brazilian Association of Technical Norms. The sight lines from accessible seats and directly adjacent companion seating will match those of comparable seats, ensuring an equitable viewing experience for the entire audience across all ticket price categories.

Rio 2016 proposes the use of four additional training sites, consisting of a combination of stand-alone and multi-purpose venues. A primary multi-purpose training center (the Olympic Village Training Center) will be constructed adjacent to the Paralympic Village with facilities for eight Paralympic sports.

TABLE 10.5.1 - PARALYMPIC VENUES

Number of non-competition venues: 5

VENUES	Use of venue	Gross seating capacity (+ Existing accessible seating)	Modification/construction required (+ Planned accessible seating)	Estimated cost of modification (USD 2008 in thousands)	State of negotiations with venue owners
COMPETITION VENUES					
OTC - Hall 1	Wheelchair Basketball, Wheelchair Rugby	10,500 (1%)	FOP / Accessible seats upgrade (1.8%)	230.7	As Olympic Games
OTC - Hall 2	Judo, Boccia	7,000 (1%)	FOP / Accessible seats upgrade (1.5%)	364.6	As Olympic Games
OTC - Hall 3	Volleyball (Sitting)	10,000 (1%)	FOP / Accessible seats upgrade (1.3%)	255.6	As Olympic Games
OTC - Hall 4	Goalball	7,000 (1%)	FOP (1%)	92.0	As Olympic Games
Olympic Hockey Center (Pitch 1)	Football 7-a-Side	10,000 (1%)	FOP (1%)	144.4	As Olympic Games
Olympic Hockey Center (Pitch 2)	Football 5-a-Side	5,000 (1%)	FOP (1%)	78.2	As Olympic Games
Olympic Tennis Center	Wheelchair Tennis	10,000 (Center Court) (1%)	Accessible seats upgrade (1.5%)	216.7	As Olympic Games
Olympic Aquatics Stadium	Swimming	18,000 (1%)	Accessible seats upgrade (1.5%)	54.0	As Olympic Games
Rio Olympic Velodrome	Cycling (Track)	5,000 (1%)	N/A (1%)	137.8	As Olympic Games
Rio Olympic Arena	Wheelchair Basketball	12,000 (0.25%)	FOP / Accessible seats upgrade (1.3%)	431.4	As Olympic Games
Riocentro - Pavilion 3	Table Tennis	5,000 (Center Court) 2,000 (Preliminaries) (1%)	Accessible seats upgrade (1.5%)	95.1	As Olympic Games
Riocentro - Pavilion 6	Powerlifting	4,550 (1%)	FOP / Accessible seats upgrade (1.5%)	111.2	As Olympic Games
Lagoa Rodrigo de Freitas	Rowing	7,000 (1%)	FOP / Accessible seats upgrade (1.5%)	326.1	As Olympic Games
Marina da Glória	Sailing	5,000 (1%)	N/A (1%)	35.4	As Olympic Games
Flamengo Park	Athletics (Marathon), Cycling (Road)	2,500 (1%)	FOP (1%)	256.8	As Olympic Games
Sambódromo	Archery	4,200 (1.5%)	FOP (1.5%)	836.0	As Olympic Games
João Havelange Stadium	Athletics (Track and Field)	60,000 (0.5%)	FOP / Accessible seats upgrade (1.2%)	289.6	As Olympic Games
National Shooting Center	Shooting	1,600 (Finals Hall) 1,000 (10m Range) 750 (50m Range) 500 (25m Range) (1%)	Accessible seats upgrade (1.5%)	88.1	As Olympic Games
National Equestrian Center	Equestrian	7,000 (1%)	FOP / Accessible seats upgrade (1.2%)	171.8	As Olympic Games
Deodoro Arena	Wheelchair Fencing	2,500 (1%)	FOP / Accessible seats upgrade (1.5%)	289.0	As Olympic Games
Number of competition venues:	20				
NON-COMPETITION VENUES ¹					
Paralympic Village	Accommodation	N/A	N/A	403.3	As Olympic Games
MPC	Press center	N/A	N/A	82.0	As Olympic Games
IBC	Broadcast center	N/A	N/A	116.0	As Olympic Games
Paralympic Family Hotel	Accommodation	N/A	N/A	39.0	As Olympic Games
Maracanã Stadium	Ceremonies	90,000 (0.5%)	Accessible seats upgrade (1%)	1,566.2	As Olympic Games

1 Note that many non-competition venues will be used during the Paralympic Games, including transport depots, logistics centre, uniform and accreditation centre and various command centers. Only the key venues have been included in the above table.

PARALYMPIC GAMES

10.5.2 TRAVEL DISTANCES AND TIMES

CONNECTED VENUES

The High Performance Transport Ring (refer to Theme 15) will connect all Paralympic venues through a combination of existing high capacity rail and metro and a new Bus Rapid Transit (BRT) system for spectators and workforce, and a reserved Paralympic Lane network for other accredited clients. Sixty-five percent of sport disciplines will take place in competition venues located less than ten minutes by bus from the Paralympic Village.

Refer to Table 10.5.2 for distances and travel times.



TABLE 10.5.2 - DISTANCES AND TRAVEL TIMES IN 2016

ALL DISTANCES IN KM AND AVERAGE		nternational Airport		ralympic mily Hotel		aralympic Village	Acco	Media mmodation ¹		aralympic BC/MPC
TRAVEL TIMES IN MINUTES AND BY BUS	km	Minutes	km	Minutes	km	Minutes	km	Minutes	km	Minutes
Rio International Airport			36	40	35	40	32	35	32	35
Paralympic Family Hotel	36	40			17	20	13	15	13	15
Paralympic Village	34	40	17	20			3	5	3	5
Media Accommodation	34	40	2	5	3	5			0	1 (Walk)
Paralympic IBC/MPC	31	35	13	15	3	5	0	1 (Walk)		
Maracanã Stadium	16	20	25	30	33	40	30	40	30	40
OTC - Hall 1	31	35	13	15	4	5	0.4	5 (Walk)	0.4	5 (Walk)
OTC - Hall 2	31	35	13	15	4	5	0.4	5 (Walk)	0.4	5 (Walk)
OTC - Hall 3	31	35	13	15	4	5	0.4	5 (Walk)	0.4	5 (Walk)
OTC - Hall 4	31	35	13	15	4	5	0.4	5 (Walk)	0.4	5 (Walk)
Olympic Hockey Center	31	35	14	20	7	10	0.3	5 (Walk)	0.3	5 (Walk)
Olympic Tennis Center	30	35	13	15	6	10	0.7	10 (Walk)	0.7	10 (Walk)
Olympic Aquatics Stadium	29	35	12	15	6	10	0.8	10 (Walk)	0.8	10 (Walk)
Rio Olympic Velodrome	30	35	13	15	6	10	0.8	10 (Walk)	0.8	10 (Walk)
Rio Olympic Arena	30	35	12	15	5	5	0.8	10 (Walk)	0.8	10 (Walk)
Riocentro - Pavilion 3	32	35	15	20	2	5	2	5	2	5
Riocentro - Pavilion 6	32	35	16	20	2	5	2	5	2	5
Lagoa Rodrigo de Freitas	25	30	14	15	28	35	25	30	25	30
Marina da Glória	23	25	28	35	42	50	39	50	39	50
Flamengo Park	23	25	27	35	42	50	39	50	39	50
Sambódromo	15	20	23	30	32	40	29	35	29	35
João Havelange Stadium	15	20	22	30	22	25	18	20	18	20
National Shooting Center	25	25	30	30	18	15	16	15	16	15
National Equestrian Center	27	25	22	25	17	15	15	15	15	15
Deodoro Arena	26	25	29	30	18	15	16	15	16	15

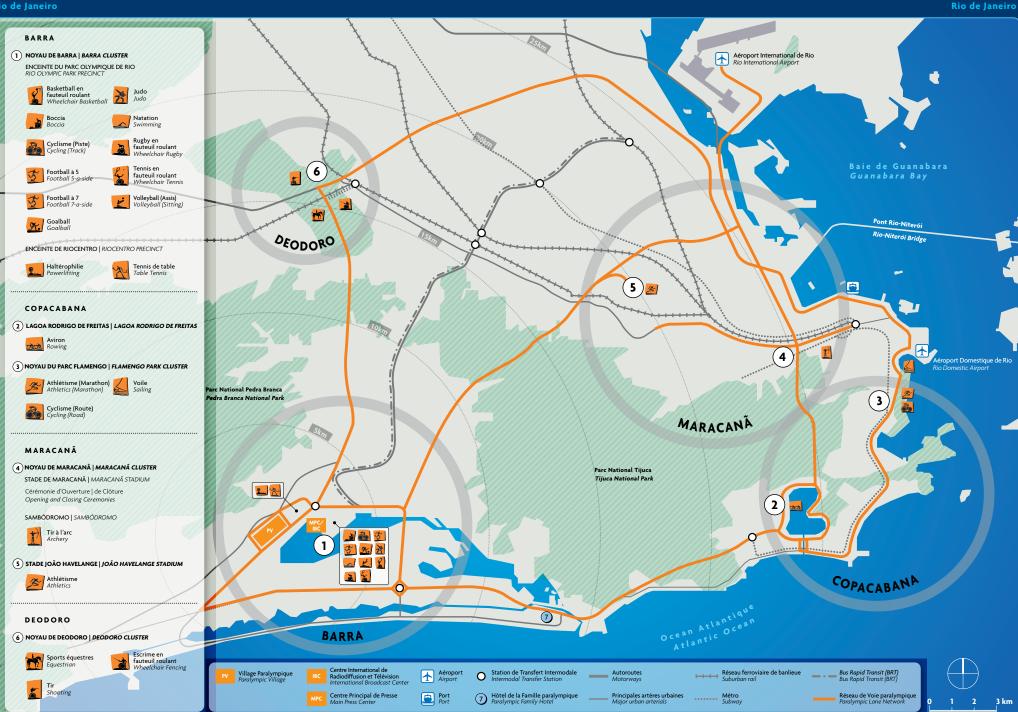
¹ The reference point for Media Accommodation is the IBC/MPC Hotel

10.5.3 PARALYMPIC GAMES MASTER PLAN

COMPACT, HIGH QUALITY AND SUSTAINABLE

The Master Plan for the Rio 2016 Paralympic Games is very compact with all sports occurring within the city limits of Rio de Janeiro. The venues, for which guarantees are in place, are located in four zones across the city (Barra, Copacabana, Deodoro, Maracanã). The heart of the Games is in Barra, home to 13 sports and disciplines as well as the Paralympic Family Hotel, Paralympic Village (refer to Theme 11) and Paralympic IBC/MPC (refer to Theme 17).

Refer to the following map.



10.6 COMPETITION SCHEDULE

DESIGNED FOR GAMES EXPERIENCE

The competition schedule has been designed in accordance with previous Paralympic Games and with the requirements of each sport and the IPC. With medals awarded over the 11 days of competition, the needs of athletes, media and spectators are all met. The IPC has been consulted in the development of the schedule.

Refer to Table 10.6.

TABLE 10.6 - PARALYMPIC COMPETITION SCHEDULE

	7 Sep	8 Sep	9 Sep	10 Sep	11 Sep	12 Sep	13 Sep	14 Sep	15 Sep	16 Sep	17 Sep	18 Sep	Total
SPORT (DISCIPLINE)	0	1	2	3	4	5	6	7	8	9	10	11	Gold Medals
Opening/Closing Ceremony													
Archery								4	3	2			9
Athletics			9	21	16	13	19	14	19	19	25	5	160
Boccia								4			3		7
Cycling (Road)								15	4	4			23
Cycling (Track)			5	5	7	4							21
Equestrian						2	4	2	3				11
Football 5-a-Side												- 1	1
Football 7-a-Side											1		1
Goalball									2				2
Judo		4	4	5									13
Powerlifting		3	4	2		3	4	2	2				20
Rowing					4								4
Sailing								3					3
Shooting		2	2	2	2	2	2						12
Swimming		16	18	16	12	13	16	14	18	17			140
Table Tennis					5	11				4	4		24
Volleyball (Sitting)									1	1			2
Wheelchair Basketball										1	1		2
Wheelchair Fencing								3	3	2	2		10
Wheelchair Rugby											- 1		1
Wheelchair Tennis								1	3	2			6
Total Gold Medals	0	25	42	51	46	48	45	62	58	52	37	6	472

Competion days

Finals

Training days

Opening / Closing Ceremony

10.7 TRANSPORT OPERATIONS CONCEPT

CLIENT-ORIENTED, ACCESSIBLE AND INCLUSIVE

Rio 2016's transport strategy aims to deliver safe, reliable, accessible, inclusive, timely and comfortable transport services to all Paralympic Family clients, spectators and workforce. This follows a customized approach based on extensive demand modeling related to specific client needs and expectations.

Paralympic Lanes will be active during the transition between Games and during the Paralympic Games to minimize travel times. Coordination mechanisms by the Olympic Traffic and Transport Division (OTTD) and police authorities will enable robust traffic management and smooth delivery of Games transport services.

All public transport systems in the City of Rio will be fully accessible by 2016, in conformance with Federal Laws setting out the regulatory framework for accessibility for people with disabilities.

All necessary infrastructure required to service accessible transport will be incorporated into the planning of Games venues to minimize transition works and to ensure easy access by mobility-impaired participants and spectators of both Games. Temporary curbs and landings with ramps will be installed where permanent accessible load zones are not available.

The quality and levels of service provided to Paralympic clients will correspond with those provided to Olympic clients, including dedicated, air-conditioned transport systems for accredited clients with sufficient companion seats in accessible vehicles. Accessible parking will be located close to venues for agreed groups of people using their own specialized vehicles. Bus drivers will be dedicated to the same routes and clients, and all drivers will be fully trained in accessibility awareness. Free use of accessible, environmentally-friendly public transport will be available to all accredited clients.

Meeting all IPC requirements, the main service levels for each key client are summarized as follows:

NPC delegations

Athletes and team officials will enjoy dedicated transport systems connecting the Paralympic Village to training and competition venues, celebration sites and key tourist destinations. Sports equipment will be transferred by dedicated vehicles, with special attention to those sports needing equipment vans. Low floor buses will transport all competing and spectating athletes to all competitions. NPCs will have flexibility to manage their own fleets of allocated vehicles, with options to supplement the fleet through Rate Card services.

Games officials

Games officials will be transported on a dedicated system between the Paralympic Village and competition venues, with the number of accessible vehicles determined after a thorough analysis of requirements.

Paralympic Family

Various transport services will be provided to meet the needs of the Paralympic Family, ranging from dedicated cars and drivers for T1 accredited clients to a 24-hour taxi-style system for T3 accredited clients, with accessible vehicles available. At a minimum, services will run from the opening of the Paralympic Village until three days after the Closing Ceremony, with additional pre-opening period services to be agreed with the IPC. Each IPC partner will be provided one dedicated vehicle and driver, and a Marketing Partner Coach Program will also be offered.

Media

Media will enjoy a dedicated transport service connecting their accommodation sites to the IBC/MPC, the Paralympic Village, competition and training venues according to their requirements and based on a hub and spoke design. Importantly, the services will cater for the long working hours of media in venue media centers. The Host Broadcaster will benefit from a dedicated bus and car pool system.



Spectators and workforce

Free, accessible and environmentally-friendly public transport will be used by all spectators and workforce, including low floor buses. Dates and hours of service will be adjusted as necessary to meet workforce needs. In line with the commitment to involve community groups, including schools, in the Paralympic Games, all necessary measures are planned to ensure adequate parking spaces for coaches, with shuttle transport services to the venues if needed. Further, an internal accessible transport system within Rio Olympic Park Precinct will be provided, to assist those spectators and workforce who have limited mobility.

10.8 ACCOMMODATION

CLIENT NEEDS FULFILLED

Accommodation for the Paralympic Games will be provided at levels of service equal to those provided during the Olympic Games, with enhanced accessibility as required. The IPC's accessibility standards will be applied to all new hotels constructed throughout the city. The overall objective is to achieve a minimum of 1% accessible rooms across the city. A similar requirement is reflected in the building codes imposed by the Brazilian Association of Technical Norms and the City.

Paralympic-specific considerations will be taken into account when planning all accommodation sites, including provision for accessible transport set down areas, accessible car parking, wheelchair accessible public amenities and facilities, wheelchair accessible rooms with roll-in showers, function rooms with flexible layouts and provision for ramped or lift access to stage areas.

Games officials

Games officials will be located within the Paralympic Village in a section separate from athletes and team officials. The ratio of bedrooms to bathrooms will be higher than required, the same as the ratio for athletes.

Paralympic Family

The recommended Paralympic Family Hotel is the Windsor Barra Hotel, located close to the Rio Olympic Park Precinct and the Paralympic Village. This hotel has been selected because of its outstanding location and accessible facilities. The surrounding roads allow easy access to transport, and the extensive beach front pathways and road crossings are fully accessible.

Media

Media will be accommodated at the IBC/MPC Hotel and in hotels in the Barra and Copacabana Zones, close to venues to minimize travel times. Hotels with accessible facilities will be selected.

Spectators

Paralympic spectators will take advantage of the range of accommodation options available in Rio including hotels, aparthotels and bed and breakfasts.

Other Paralympic clients

During the Paralympic Games there will be a plentiful supply of accommodation for other clients, including sponsors and workforce, in the Barra Zone and other areas of the city. A full range of quality and price alternatives can be offered.



10.9 ACCESSIBILITY

10.9.1 EXISTING INFRASTRUCTURE

ACCESSIBILITY OPPORTUNITIES

Rio 2016 is committed to providing a fully accessible Games theater for both the Olympic and Paralympic Games. Actions agreed by relevant stakeholders include:

- Adoption by Rio of the Brazilian accessibility legislation, considered one of the world's most comprehensive national accessibility laws, and a United Nations reference for limited mobility or special needs requirements. Agreement to adopt this legislation is a bid legacy
- Establishing a panel of national accessibility experts to work with Rio 2016's Accessibility Manager, and appointing independent international experts to review all venues, infrastructure projects, cultural facilities and the general city environment
- Providing integrated, accessible seating for each client according to IPC requirements
- Installing accessible toilets at a ratio of one for every 15 spectators requiring accessible seating
- Using excess press and broadcast camera platforms from the Olympic Games as accessible seating platforms for the Paralympic Games
- Applying the IPC's accessibility guidelines
- Minimizing transition works between the two Games.

Further informing the design and construction of all Games venues will be the United Nations Convention on the Rights of Persons with Disabilities and its Optional Protocol, signed by the Brazilian Government in 2008.

Rio's current built environment is in need of upgrading. While competition venues for the 2007 Parapan American Games were designed with international standards of accessibility, older venues require refurbishment. This work will be completed for the Games. While transport infrastructure is currently partially accessible, Brazilian Law requires all facilities and transport modes to be fully accessible by 2014. New hotels throughout the city will have 5% accessible accommodation.

The city environment is a blend of historical, protected areas and modern, newly developed sectors. Accessibility levels within the city reflect this mix. Several initiatives have been launched by the City to improve the accessibility of the built environment, including the installation of accessible public telephones and the construction of over 1,000 ramps. Further, a program of 'Accessibility in the Neighborhood' has begun to transform key neighborhoods.

10.9.2 ACCESSIBILITY STANDARDS

INTEGRATED PLANNING AND DELIVERY

The Rio 2016 Paralympic Games will comply with national and international accessibility standards, in particular the IPC accessibility guidelines and the United Nations Convention on the Rights of Persons with Disabilities and its Optional Protocol. The three levels of Government have guaranteed that accessibility will be fully integrated into the planning and construction phases for both Games.

Refer to Section 10 of the Guarantees File.

10.10 DISABILITY AWARENESS

COMPREHENSIVE EDUCATION AND TRAINING

The concept that both the Olympic and Paralympic Games will incorporate accessible facilities, operations and training is a cornerstone of Rio 2016's planned training programs. People with disabilities will participate, recounting their experiences and advising on the optimal behaviors of the workforce.

Programs will include:

- Accessibility and the Paralympic Games covering the history
 of the event, the range of Paralympic sports and how it helps
 barriers to be broken down
- Workforce accessibility sensitivity how to adapt to differences and to communicate, assist and guide people with accessibility needs. This program will be delivered to the entire Rio 2016 workforce, including security personnel and other contractors
- Security screening procedures for people with disabilities how Games security staff can perform their tasks efficiently yet still respect the dignity of people with disabilities
- School education establishment of Paralympic education lectures for primary and secondary levels and special education.

Rio 2016 will also provide incentives, via all three levels of Government and sponsors, to develop accessibility training programs for those working in the hospitality and tourism industries. The City of Rio will create a seal of approval for companies and professionals who participate in specific courses as well as those that retrofit their facilities according to international accessibility standards.

These initiatives will raise awareness among the Games workforce, as well as the general public, ensuring that all communication, assistance and conflict resolution will be treated with professionalism and sensitivity.



10.11 COMMUNICATION AND MEDIA

WIDELY COMMUNICATED VISION

10.11.1 PARALYMPIC GAMES VISION

INSPIRATION AND CHANGE THROUGH EQUALITY

Rio 2016's Paralympic Games will be a platform for change - change in the built environment, change in perception, change in sports participation and change in media coverage of Paralympic sport. Investment in accessibility regulations and infrastructure will change the lives of the inhabitants of Rio, making Rio a friendlier city for those with disabilities. The sporting excellence of Paralympic athletes will continue to change society's perception of people with disabilities. Thus the transformation of the City of Rio will be accelerated by hosting the Olympic and Paralympic Games.

Brazil has significant experience in promoting the Paralympic Movement. Since the 2004 Athens Paralympic Games, the Brazilian Paralympic Committee (BPC) has developed a strong relationship with the media. Brazilian viewers enjoyed more than 100 hours of live broadcasting of the Athens Games with more than ten Brazilian television networks present in Greece. This had a tremendous impact on the way Brazilian society perceives people with a disability. Paralympic athletes became effective ambassadors; people with a disability had their own role models.

The BPC has continued to build its relationship with the media, as the 2007 Parapan American Games attest: 1,084 accredited media from 14 Brazilian TV Networks, 11 foreign television networks and more than 340 written press organizations provided media coverage. At the 2008 Beijing Paralympic Games, there were even more impressive numbers: more than 130 hours of live television, 25 hours of news dedicated to the Games on national television and more than 1,400 press articles.

With such growth in coverage of Paralympic sport, it is anticipated that challenges in communicating the vision will be no different to those for the Olympic Games (refer to Theme 1, question 1.10). Rather, the Rio 2016 Paralympic Games will represent a significant opportunity: the consolidation of the Paralympic Movement not only in Brazil but extending through South America and beyond.

10.11.2 IBC AND MPC

TESTED MEDIA BASE

For the Rio 2016 Paralympic Games, the IBC/MPC will operate from the same location and be managed by the same organization and staff as during the Olympic Games. Both the IBC and MPC will be designed and built to international accessibility standards.

10.12 FINANCE

FUNDING ASSURED THROUGH INTEGRATED FINANCIAL PLAN

10.12.1 GUARANTEED FUNDING

Following the fully integrated planning and delivery philosophy across all Games delivery partners including Rio 2016, financing of the Paralympic Games is a component of the overall Olympic and Paralympic Games budget with special provisions and contingency for Paralympic Games planning and delivery to ensure a Games experience equal to the Olympic Games. The budget is supported by:

- a direct and substantial financial contribution from the three levels of Government
- support services provided free of charge from all three levels of Government
- comprehensive underwriting of any economic shortfall of Rio 2016 by the three levels of Government.

While Rio 2016 will at all times adopt fiscally responsible and conservative financial policies, the delivery of the Paralympic Games client needs will be the lead consideration in relation to all financial decisions. Early in Games planning, Rio 2016 will ensure that Games planners are making adequate provisions for the Paralympic Games to ensure the highest quality event and delivery of all commitments.

Refer to Section 10 of the Guarantees File.

10.12.2 INTEGRATED BUDGET

In line with Rio 2016's integrated approach to planning and delivering the Olympic and Paralympic Games, Rio 2016's budget integrates all costs (refer to Theme 7). Incremental costs for the Paralympic Games have been extracted from the overall budget and are shown below.

PARALYMPIC GAMES BUDGET (IN 2008 USD THOUSANDS)

REVENUE	USD	%
TV rights	12,000	7.1
Local sponsorship	57,000	33.5
Ticket sales	18,981	11.2
Licensing	5,000	2.9
Public subsidies	72,881	42.9
Other	4,201	2.5
Shortfall	-	0.0
Total	170,063	100.0
EXPENDITURE	USD	%
Sports venues	3,283	1.9
Paralympic Village & Alternative accommodation	2,506	1.5
IBC/MPC	2,135	1.3
Workforce	34,781	20.5
Technology	29,955	17.6
TV Signal Production	12,000	7.1
Ceremonies and culture	26,000	15.3
Medical services	2,407	1.4
Catering	14,873	8.7
Transport	20,344	12.0
Advertising and promotion	5,054	3.0
Pre-Olympic events & coordination	10,725	6.3
Other	6,000	3.5
Surplus	-	0.0
Total	170,063	100.0

10.13 CEREMONIES

HISTORIC AND ICONIC VENUE

The Paralympic Games Opening and Closing Ceremonies will be celebrated with unique Brazilian style in the world-renowned Maracanā Stadium, a venue originally constructed in 1950 and upgraded in 2007 for the Pan American Games, with further upgrades due before the 2014 FIFA World Cup.

Located in the Maracanã Zone along with other important venues, the stadium has excellent public transport connections via train and metro. The venue location is shown in the map at question 10.5.3.

This iconic 90,000-seat stadium will be a tremendous venue for the start and finish of Rio's global festival of sport.





- World-class Olympic and Paralympic Village
- Meets or exceeds Games-time requirements
- Unique Village experience including Rua Carioca and Olympic Beach
- Range of excellent training facilities within walking distance
- Social and environmental legacies

INTRODUCTION

Rio de Janeiro's Olympic and Paralympic Village will be a high quality residential project in the rapidly expanding Barra region, the heart of the Games. Directly adjacent to and within walking distance of the Village are the sport precincts of Rio Olympic Park and Riocentro which will host competition for 14 Olympic sports and 13 Paralympic sports. A training area is within walking distance of the Village for 11 Olympic sports and 8 Paralympic sports.

The Village will provide a secure and comfortable home for all athletes and team officials, including accredited additional officials, from across the globe to live together in solidarity. Their preparation for the greatest sporting moment of their lives will be optimized in an ideal environment with a unique sense of community and celebration of Olympic and Paralympic values.

The Village design will meet or exceed IOC/IPC requirements and NOC/NPC expectations with a strong legacy and without materially increasing Village delivery costs. Apartments will be configured in the same manner as in legacy, with no adaptation of common areas or kitchens for bedrooms. Substantial

common areas in all apartments and additional lounge, relaxation and meeting areas within the apartment blocks provide ample living spaces.

Each athlete and their support team will enjoy a unique experience in a fully accessible Village, where the famous character of Rio will be brought to life on *Rua Carioca*, a pedestrian street named after the vibrant and welcoming Rio locals, with sidewalk cafes, restaurants and shops at the heart of the Village.

As detailed design progresses, Rio 2016 will engage with the IOC, IPC, NOCs and NPCs to ensure an optimal Village for all athletes and team delegations. A formal advisory group will be established with the Village developers under the auspices of Rio 2016. NOC and NPC representatives from throughout the world will be invited to participate in this advisory group, subject to the agreement of the IOC and IPC, to address Village and other NOC/NPC matters.

Financing for Village development is fully backed by the Federal Government.



11.1 OLYMPIC VILLAGE CONCEPT

WORLD-CLASS OLYMPIC AND PARALYMPIC VILLAGE

Ownership

The Olympic and Paralympic Village site is owned by Carvalho Hosken, a significant national property developer of high quality residential projects. Carvalho Hosken has successfully developed many projects in the Barra region, including residential developments featuring environmentally sustainable design. It has specialist local development knowledge and experience in addition to proven capacity to manage and deliver large scale projects. Carvalho Hosken has been formally recognized, winning the Urban Development 'Hors Concours' award for its Peninsula residential development in Barra.

Location

The Olympic and Paralympic Village is located in the Barra Zone, the heart of the Games and the fastest growing area in the City of Rio. For the Olympic Games, 46% of athletes will live within ten minutes of their competition and training venues and 73% within 25 minutes. The maximum travel time from the Village for any Olympic athlete will be 50 minutes. For the Paralympic Games 65% of sport disciplines will take place in competition venues located less than ten minutes from the Village. A network of dedicated Olympic Lanes will connect the Village to all competition venues.

Directly adjacent to and within walking distance of the Village are the sport precincts of Rio Olympic Park and Riocentro which will host competition for 14 sports for the Olympic Games and 13 sports for the Paralympic Games. A training area (the Olympic Village Training Center) is within walking distance of the Village for 11 Olympic sports and 8 Paralympic sports and the Barra shopping and entertainment area is nearby.

Altitude

The Olympic and Paralympic Village is at sea level.

Design

The design of the Olympic and Paralympic Village has been undertaken to ensure the optimal environment for all residents.

The site of the Village is a spectacular natural setting, connected to the foreshores of Lake Jacarepaguá with a backdrop of mountains such that nature will dominate the ambience of the Village. The design ensures all apartments will have views over the lake towards Barra's beaches or the Pedra Branca National Park which flanks the Village site to the north.

Rua Carioca will connect all parts of the Village and will be the focus of Village life, inspired by the famous outdoor cafe lifestyle of Rio's beachside neighborhoods. Along this boulevard will be cafes, restaurants, juice and ice cream shops, entertainment, recreation and relaxation spaces, water features and the International Zone, Main Dining Hall and Transport Mall. Rua Carioca will create a vibrant yet relaxing atmosphere serving both the Residential and International Zones.

Other features of the Village design include:

- All apartments with appropriately furnished balconies and outdoor relaxation space
- A selection of fully adaptable apartments in Olympic and Paralympic modes
- Common spaces with quality furnishings and a high standard of amenity
- Resident Centers located in every second residential building with a maximum walking distance of 90m for any athlete
- More than 17,700 beds (compared with the 16,000 requirement for the Olympic Games and 8,000 for the Paralympic Games)
- Large NOC/NPC meeting, medical and administration facilities to be designed around final allotment and requirements.

Sustainability will be incorporated as a fundamental design element of the Village. The Village will be economically and socially sustainable in legacy mode when it transforms to a residential community.

Exceeding the space, functionality and amenity requirements of the IOC/IPC and previous Villages, all services and facilities specified by the IOC and IPC have been incorporated into the design, also allowing further enhancement as more detailed Games planning is undertaken.

Layout

The layout of the Olympic and Paralympic Village reflects the need for a secure and comfortable environment for all residents with clear and effective zoning and the complete separation of back of house operations. The fundamental concept is to locate all residential buildings towards the front or south of the site, and all back of house operations and particularly vehicle entry points at the north of the site. In addition to providing the residents with the best views and outlooks, this will minimize the traffic flows of buses and operational vehicles near residential buildings. A major road development planned by the City will be implemented to facilitate back of house vehicle movements.

The Residential Zone (48 hectares) consists of 34 apartment blocks and Residential Zone services and is in the most peaceful area of the Village. A ring road circumnavigates the zone to accommodate an athlete shuttle and to service the buildings as required. A logical and easy-to-navigate residential building arrangement will be enhanced by clear and plentiful way-finding signage designed as part of an enhanced look package. The Welcome Center, used exclusively for athlete arrivals and departures, is located at the fringe of the Residential Zone and is separated from all other vehicle entry points. The NOC Services Center, Polyclinic and Entertainment Center are located along *Rua Carioca*, next to the Main Dining Hall.

The Transport Mall, conveniently located to support athlete and team movement patterns, has 45 bus bays and a direct route to all venues.

The International Zone (8 hectares) is located north of the Residential Zone, directly linked to the Village Main Entry where parking for 250 cars will be provided. Most commercial activities will be located within the International Zone, as well as a spectacular Welcome Ceremony Plaza, situated on a lake and providing an entertainment facility for the duration of the Games. In addition to the Olympic Museum within the Main Dining Hall, an additional showcasing space is provided in the International Zone. While directly accessible from the Residential Zone, the International Zone and its operations will not impact on the amenity and environment of the residents.

The Operational Zone (13 hectares) is located at the north of the site and also links directly to key facilities including the Main Dining Hall and International Zone. All logistics, catering, housekeeping, cleaning and waste and Village management services will be located in this zone.

Type of accommodation

All residents of the Olympic and Paralympic Village will be accommodated in high quality three- and four-bedroom apartments, each with common living spaces and a balcony. There will be no adaptation of kitchens or dining areas to facilitate the number of residents. In addition to the more than 17,700 beds, 74% of the apartments have a further single bedroom (6m²) which can be used by the NOCs/NPCs as an additional bedroom or can be converted into apartment storage or an office.

All apartments will support a maximum 2:1 resident to bathroom ratio, with services including sanitation infrastructure and hot water supply specified to meet both Games time as well as legacy requirements.

All apartment blocks will be connected to the fiber optic network. Each room in every apartment plus all NOC/NPC administration/medical areas and Resident and Business Centers will be linked to local wireless networks, maintained and supported by Rio 2016. This backbone will be available for all athletes and team officials to support voice, data and video links. Cable television will be standard in all apartments, linked to both general entertainment channels and the host broadcast feed, as well as optional national rights holder broadcast to each delegation's accommodation, all facilitated by and at the cost of Rio 2016.

Special considerations/operations

The Olympic and Paralympic Village has been designed with a number of features to ensure a unique experience for all residents:

- The Olympic Village Training Center will provide training areas for 11 Olympic sports and 8 Paralympic sports.
 It is directly adjacent to the Village, within walking distance and within the secure perimeter
- The Olympic Beach: A dedicated shuttle bus from the Transport Mall will deliver residents to the Olympic Beach in Barra. This will be a totally secured, private oceanic beach operating day and night, including a live site with full Games coverage and staging facilities for concerts throughout the Games
- The Olympic Village Park: Secure bridge access will connect
 the Village with Olympic Village Park on the shores of Lake
 Jacarepaguá. This area will provide recreational facilities including
 Tennis and Beach Volleyball courts and Football fields, as well as
 water-based activities including windsurfing and kayaking.

Rio 2016 is committed to providing high quality, consistent and dependable operational services including:

- Excellence across accommodation, catering and transport
- Effective and flexible services to allow rapid responses to NOC/NPC needs, with the client interface delivered through a one-stop-shop solution complemented by 17 Resident Centers
- Consistent, reliable screening and access processes which recognize the special demands of teams and support staff
- Allocation to NOCs/NPCs of full bed entitlement and substantial contingency accommodation (300 apartments) reserved for additional officials' overflow in the adjacent Barra Media Village development (with separate area and services from media)

- Village design and internal transport service to minimize internal travel times and optimize service levels. Teams will be only minutes away from any Village destination
- An enhanced materials handling service to support the
 movement of NOC/NPC supplies into and out of the
 substantial team storage areas on the parking level of each
 building. This service will continue throughout the Games to
 support any restocking or movement of supplies including
 from freight containers positioned in the back of house areas
- Village development and overlay schedules managed to ensure that prior to any soft opening all services and operations will be thoroughly tested including a range of simulations.

Subject to IOC/IPC policy and approval, for those NOCs/NPCs that wish to have a small broadcast studio in their Village accommodation to support their national rights holder including, where relevant, interactive media, Rio 2016 will provide a "shell" at no cost to the NOC/NPC on the parking level.

Size of Village

The Olympic and Paralympic Village has an area of 75 hectares, excluding the Olympic Beach, the Olympic Village Park and the Olympic Village Training Center. Village facilities are located in close proximity to the residences and the size and design provides an appropriate balance between community and density, space and solitude.

Security

The security of and around the Olympic and Paralympic Village will be the highest priority for Rio 2016 and its Federal Government lead security partner, the National Public Security Secretariat (SENASP). Appropriate measures will be deployed on the basis of risk and threat assessments, recognizing the focal nature of the Village and the nature of its occupants.

The location, design and overall security arrangements for the Village will ensure a secure yet welcoming environment for the residents while maintaining the highest standards of vigilance. As the Village is not in an urban environment, surrounding areas can be easily managed. A double perimeter will be established with the outer perimeter within adjacent parklands and waterways. This will ensure athletes can enjoy the natural ambience of the Village within a completely secure environment.

Post-Olympic use

Following the Games, the Olympic and Paralympic Village will become a residential community based on the successful model deployed for the 2007 Pan American Games, providing highly sought after accommodation. The legacy use is supported by extensive feasibility studies which are underpinned by a substantial and growing demand for medium to high end accommodation in the Barra region. The development supports the City's strategic plan and will complement other Games Village developments for media and technical officials.

The partnership model between the Federal Government and the developer eliminates any apartment sales vulnerability from the financial model, which could otherwise delay development. Apartments will be offered for sale prior to the Games and will undergo a soft refurbishment after the Games prior to being delivered to owners.

Paralympic considerations

The Village has been designed as a completely inclusive and accessible environment. All apartments in the Paralympic Village will have a fully accessible bathroom compliant with the IPC accessibility guidelines. All other bathrooms have been designed to be adaptable with fixtures along one wall, shower curtains instead of screens and portable shower seats. Recognizing that Paralympians are highly mobile, providing adaptable bathrooms will ensure that all Paralympic apartments will be functional and safe to use.

The design has been modeled on the success of the Beijing Paralympic Village. This will ensure a comparable ratio of 2:1 accessible/adaptable bathrooms (residents to bathroom) for wheelchair athletes in each apartment. The only adaptations required in the transition phase between Games will be provision of portable shower seats and some handrails for the toilet.

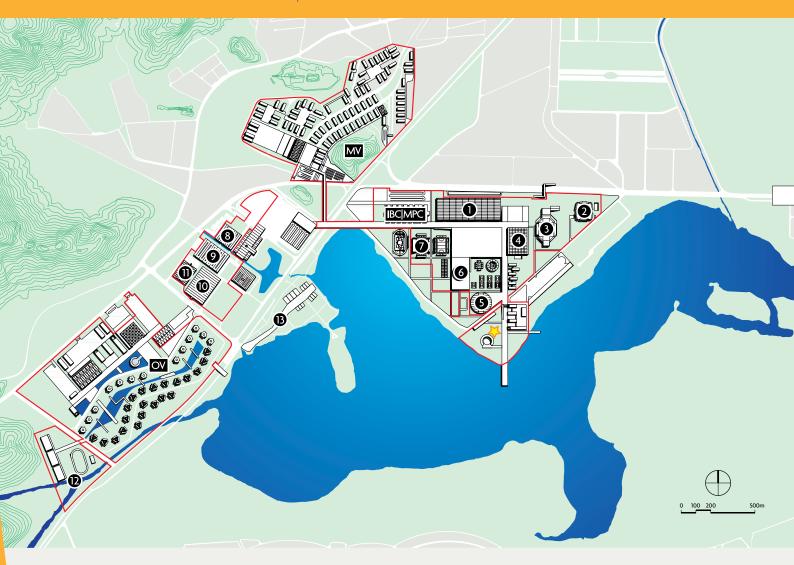
It is proposed all the residential blocks be included in the Paralympic Village, using the first six floors of each block. Vertical circulation will be supported by four elevators in each block servicing six levels, therefore providing a high level of service. Oversized elevators will be provided in each building to increase vertical circulation capacity in Paralympic mode.

The strategy to use all residential blocks will ensure that all NPCs benefit from the extensive facilities, Business Centers and Resident Centers which are being developed at the ground floor of each block. NPC facilities will therefore be provided in excess of IPC requirements.

All temporary facilities in the Residential, International and Operational Zones will be fully accessible.

VILLAGE OLYMPIQUE

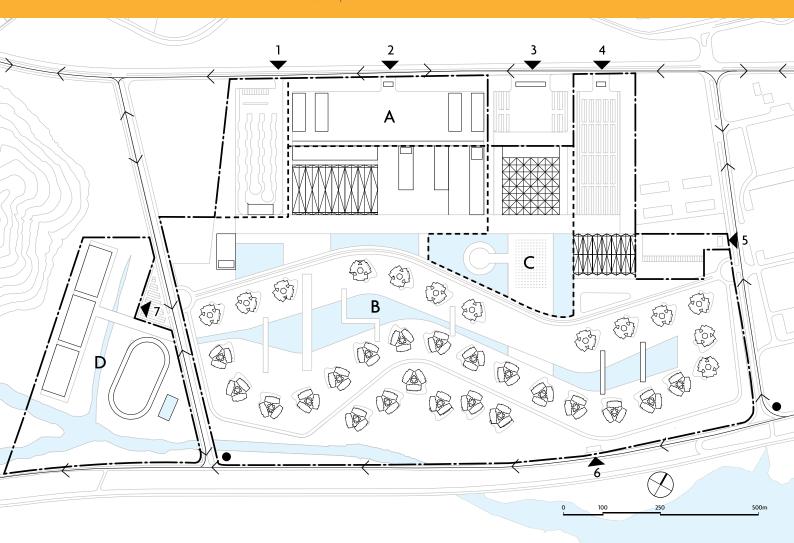
PLAN DU NOYAU DE BARRA | BARRA CLUSTER PLAN



- 1 CEO Salles 1 à 4 OTC Halls 1 to 4
- Centre Aquatique Maria Lenk Maria Lenk Aquatic Center
- 3 Arène Olympique de Rio Rio Olympic Arena
- Stade Aquatique Olympique Olympic Aquatics Stadium
- 5 Vélodrome Olympique de Rio Rio Olympic Velodrome
- 6 Centre Olympique de Tennis Olympic Tennis Center

- Centre Olympique de Hockey Olympic Hockey Center
- Riocentro Pavillon 2
- Riocentro Pavilion 2
- Riocentro Pavillon 3 Riocentro – Pavilion 3
- Riocentro Pavillon 4 Riocentro - Pavilion 4
- 11 Riocentro Pavillon 6
- Riocentro Pavilion 6
- 12 Centre d'Entraînement du Village Olympique Olympic Village Training Center
- 13 Parc du Village Olympique Olympic Village Park
- Village Olympique Olympic Village
- MV Village des médias de Barra
- Media Village
- IBC/ Centre International de Radio
- MPC et Télévision et Centre de Presse Principal International Broadcast Center and Main Press Center

PLAN MAITRE DU VILLAGE OLYMPIQUE | OLYMPIC VILLAGE MASTERPLAN



- Poste de Contrôle des Véhicules Accredited Checkpoint
- Voie de Transport Accréditée

 Accredited Transport Route
- Périmètre de Sécurité
 Secure Perimeter
- _ _ Périmètre de Site
 Zone Perimeter

- 1 Entrée de la Gare Routière Transport Mall Entry
- 2 Entrée Opérationelle Operational Entry
- 3 Entrée Principale Main Entry
- 4 Stationnement CNO
 NOC Parking
- 5 Entrée du Centre d'Accueil Welcome Center Entry
- 6 Entrée de la Zone Résidentielle Residential Zone Entry
- 7 Entrée du Centre d'Entraînement du Village Olympique Olympic Village Training Center Entry

- A Zone des Opérations Operational Zone
- B Zone Résidentielle Residential Zone
- C Zone Internationale
 International Zone
- Centre d'Entraînement du Village Olympique Olympic Village Training Center

VILLAGE OLYMPIQUE





11.2 PLANNING APPROVALS

INTEGRATION OF GAMES AND LEGACY PLANS

Planning approvals for the Village site will be granted by the City of Rio. The development of the Barra region is fundamentally based on the original Master Plan created by renowned Brazilian urban planner Lucio Costa, and the proposed Games Plan within Barra will reignite his vision for the area and accelerate a number of projects which are important for its legacy. This will include the environmental initiative of regenerating the lakes and waterfront, resulting in the Olympic Village Park, a waterfront park of 26 hectares just 600m from the Village. The waterfront and lake regeneration is connected to the Village project and the development of planned transport infrastructure which will also be realized through the project.

The City has provided a guarantee that the Village project is in full compliance with the City's objectives for the site with respect to land use, density and the broader objectives for the surrounding areas.

Refer to Section 11 of the Guarantees File.

11.3 ENVIRONMENTAL IMPACT STUDY

REMEDIATION OPPORTUNITIES

A comprehensive Environmental Impact Assessment (EIA) has been undertaken for the site evaluating a range of impacts including:

- Development and zoning constraints
- Environmental remediation requirements
- Impact of the development of the broader Barra ecosystem, including waterways and parks
- Impact of the development on the microclimate of the Village site relating to temperature, air quality and noise both during construction and in the longer term
- Requirements and constraints for waste treatment, sanitation infrastructure and drainage
- Definition of protected natural features within and directly adjacent to the site
- Social and economic impacts of the development.

The EIA, which confirmed that there is no possibility of natural disasters, outlined a range of measures to be undertaken within the framework of the proposed development. The developer is fully committed to fulfilling these measures. The proposed plan for the Village seeks to emphasize and strengthen the issue of environmental remediation through the recovery of Lake Jacarepaguá foreshore and the remediation of waterways and natural features within the site itself.

In addition the following specific additional environmental initiatives will be implemented:

- Sustainable design and construction concepts in accordance with international best practice
- Direct connection to the new Bus Rapid Transit (BRT) public transport system, improving access and mobility for the residents in the longer term and reducing carbon emissions
- Development of optimal 'green space' within the site to promote a healthy lifestyle.

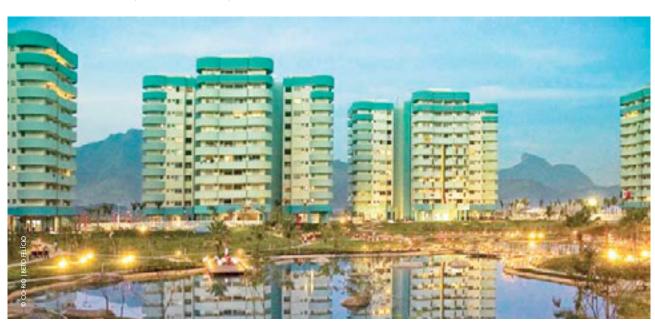
Rio 2016, the developer and Government authorities will monitor the project throughout design and construction to ensure compliance with all recommendations from the Environmental Impact Assessment. This will be undertaken through the Project Control Group, and reported to the IOC/IPC on a regular basis.

11.4 CONSTRUCTION

TESTED AND PROVEN DEVELOPER

Carvalho Hosken, acting as land owner and developer, will assume responsibility for the construction of the Olympic and Paralympic Village. Carvalho Hosken has already entered into a cooperative and collaborative development relationship with Rio 2016. Carvalho Hosken has guaranteed that the Project Control Group will include representatives of Rio 2016 to guide overall development to support both legacy and Games requirements.

Refer to Section 11 of the Guarantees File.



11.5 FINANCING

FEASIBLE WORKS WITH SOUND FUNDING

Providing certainty to all Village developments has been a focus of Rio 2016 and its Government partners. All Village developments are underpinned by compelling feasibility studies supported by a high demand for residential property in the areas where Villages are located and particularly in Barra. The success of the 2007 Pan American Games Village (97% sell out within one week of sales opening) is a positive indicator of the previous success of the development partnership to be deployed.

The financing of the Olympic and Paralympic Village project is fully guaranteed by Caixa Econômica Federal (CEF), the Federal Government owned Federal Savings Bank of Brazil. Following the successful financing model implemented for the 2007 Pan American Games Village, CEF has guaranteed the availability of all necessary funds to the developer at preferred rates of interest. This guaranteed financing is supported and strengthened by a commitment from the land owner and developer. The Federal Government of Brazil, ultimately responsible for the delivery of the Village, has proposed this financing model to minimize development risk through a secure and robust financing package that has proven to be successful in delivering large scale residential projects of a similar nature.

All temporary works will be delivered and financed through Rio 2016.

Refer to Section 11 of the Guarantees File.

11.6 SUBSIDIES

There will be no direct subsidy of the Village construction by national authorities. However, in addition to the attractive financing package provided by the Federal Government, a range of additional incentives will be provided to the developer which will ensure feasibility and certainty. These will include:

- Fast tracking of approvals through the City Planning Department
- Additional development permits within the framework of the City zoning legislation and Environmental Impact Study
- The immediate implementation of planned roads, utilities and environmental remediation surrounding the Village site
- Preferred interest rates for buyer acquisition.

These and other incentives supported the development of the 2007 Pan American Games Village, ensuring positive benefits to the developer and a highly successful sales campaign.

Rio 2016 will rent the Olympic and Paralympic Village from the developer. The agreed rental cost has been capped at USD18.9 million.

Refer to Section 11 of the Guarantees File.

11.7 PROPERTY

NO USE AGREEMENT REQUIRED

The Olympic and Paralympic Village is a new development and therefore there is no need to obtain use approvals from existing building owners. All undertakings required from the developer and Government entities regarding the Games time use have been secured.

11.8 ACCESSIBILITY

INCLUSIVE VILLAGE FOR BOTH GAMES

The Olympic and Paralympic Village will be designed and constructed based on best practice accessibility standards to ensure all Olympic and Paralympic requirements are met. The initial concept design work undertaken during the bid has been supported by an international consultant to ensure the appropriate design solutions have been considered and incorporated. For ongoing design development of both permanent and temporary works, Rio 2016 and the developer commit to the following approach:

- Compliance with all accessibility standards as outlined in the Brazilian National Building Code
- Where the standards differ, the IPC accessibility guidelines will be used
- An accessibility expert with Paralympic Games experience will be commissioned to assist in the interpretation of specific guidelines and requirements to ensure the best outcome.

Refer to Section 11 of the Guarantees File.

FINANCING OF WORKS AND SCHEDULE (IN USD MILLION)

						Finar	ncing of wo	·ks					Works schedule				
OLYMPIC VILLA	GE		Permane	ent wo	rks			ks			Permane	nt works	Tempora	ary works			
		TOTAL	oco	G	Public (Fe Savings B		TOTAL temp.	OCO	G	OTH	ER	TOTAL Cost of					
Games Use	Post-Games use	perm. works USD 2008	USD 2008	%	USD 2008	%	works USD 2008	USD 2008	%	USD 2008	%	venue USD 2008	Start date	Finish date	Start date	Finish date	
Athletes Village	Housing	427.06	-	-	427.06	100	139.70	139.70	100	-	-	566.76	2012	2015	2015	2016	

205

High Capacity Vertical Circulation

A detailed study has been undertaken by experienced consultants to determine the vertical circulation strategy for the Olympic and Paralympic Village, considering that 12 storeys will be used during the Olympic Games and six storeys during the Paralympic Games. The Rio 2016 Village benefits from low density occupation within the apartments, meaning Games-time use is similar to legacy use.

An elevator demand profile has been developed based on anticipated movement patterns throughout a typical Olympic day, with an assumed peak of 75% of all residents using the elevators in a 30 minute period. The study demonstrates that the proposed elevator configuration will exceed demand, including for peak times, with minimal waiting times, based on the following specifications:

- All apartment blocks will be configured with four elevators.
 Two elevators will have a capacity of eight persons, and two will have a capacity of 16 persons (the latter sized to allow for two wheelchairs)
- Elevators will have a speed of 1.5 m per second
- All elevators will have centrally opening doors

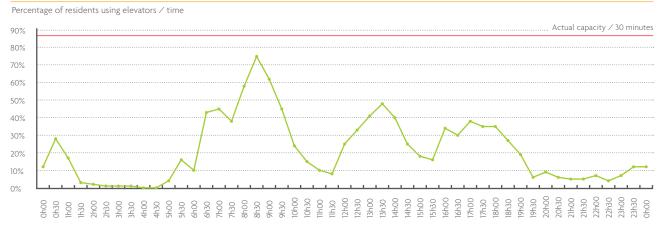
With this proposed configuration, it has been determined that, should evacuation by elevator of all residents be required, this would take a total of 35 minutes. When operating at maximum capacity, the average waiting time would be 43 seconds. The assumed peak of 75% of residents using the elevators in a 30 minute period can be easily managed. Intelligent systems will be implemented to create optimal efficiencies in peak mode. The following graph demonstrates anticipated demand and real capacity for vertical circulation in the Rio 2016 Olympic and Paralympic Village.

11.9 DEVELOPMENT TIMELINE

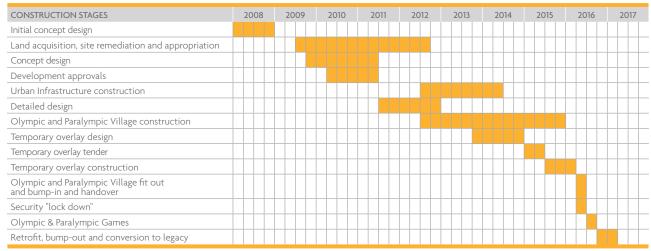
FEASIBLE DELIVERY TIMELINE

The timeline for the development of the Olympic and Paralympic Village reflects a handover of the Village to Rio 2016 in early January 2016, with all permanent works complete. The Village Master Plan will allow for major temporary works to be underway in parallel with permanent construction, and it is proposed construction of the International Zone and major temporary elements of the Residential Zone commences in August 2015. The proposed timeline is underpinned by existing planning approvals, ensuring minimal risk.

ELEVATOR DEMAND PROFILE - TYPICAL OLYMPIC DAY



CONSTRUCTION TIMELINE



11.10 COMMERCIAL RIGHTS GUARANTEE

GAMES RIGHTS PROTECTED

Carvalho Hosken has provided a guarantee confirming that all commercial rights in relation to the Olympic and Paralympic Village including, but not limited to, the terms and conditions listed in the "Clean Venue Appendix", will be controlled by and available to Rio 2016 for its exclusive benefit, for the period that Rio 2016 has control of the Village. These arrangements are further supported by the Federal Government and these rights will be reflected in the development agreement between the parties.

Refer to Section 11 of the Guarantees File.

11.11 PLANS

IDEAL DESIGN FOR TEAM DELEGATIONS

11.11.1 NOC AND NPC UNITS

NOC and NPC units have been designed on the ground level of each residential block, with storage as necessary in the parking level below. All units are fully accessible and, other than the furniture arrangement, will not require adaptation between Games with NOCs and NPCs enjoying the same configuration and locations. With an area in excess of 185,900m², the amount of available permanent space for NOC/NPC facilities means that additional temporary space will not need to be constructed external to the residential buildings. Indicative plans have been developed for NOC/NPC units based on delegation sizes from previous Games and in accordance with IOC/IPC requirements; Rio 2016 will work with each NOC/NPC to ensure their units meet requirements and will provide for adaptation where required.

Rio 2016 has prioritized providing additional space for administration and medical support for all teams recognizing the

increasing sophistication of the NOCs/NPCs and their athletes. This has been achieved on a cost efficient basis due to the nature of the legacy development and apartment building designs.

A substantial opportunity exists to provide additional facilities to the NOC/NPC delegations through further development of the parking level to provide extra administration offices, meeting rooms, storage and workshop areas. Rio 2016 undertakes to fit out this additional space for those NOCs/NPCs that require it at no cost to the NOC/NPC. All NOCs/NPCs will receive a standard allocation of space in excess of the IOC and IPC minimum requirement.

In addition to the NOC/NPC units, Resident Centers are located on the ground floor of every second residential block with Business Centers in the alternate buildings.

The Resident Centers include Reception/Information, INFO 2016 terminals, Cyber Cafe, meeting rooms, TV/DVD Lounges, quiet areas, laundries and toilets. Each Resident Center will have an area of approximately 360m².

Business Centers will be equipped with telephones, computers, printers, INFO 2016 terminals, wireless broadband connections and other office automation support to assist official team operations as well as the individual administrative needs of the athletes.

Specially designed full service and self service laundry facilities will be provided at the parking level of every second block and will be readily accessible for all residents.

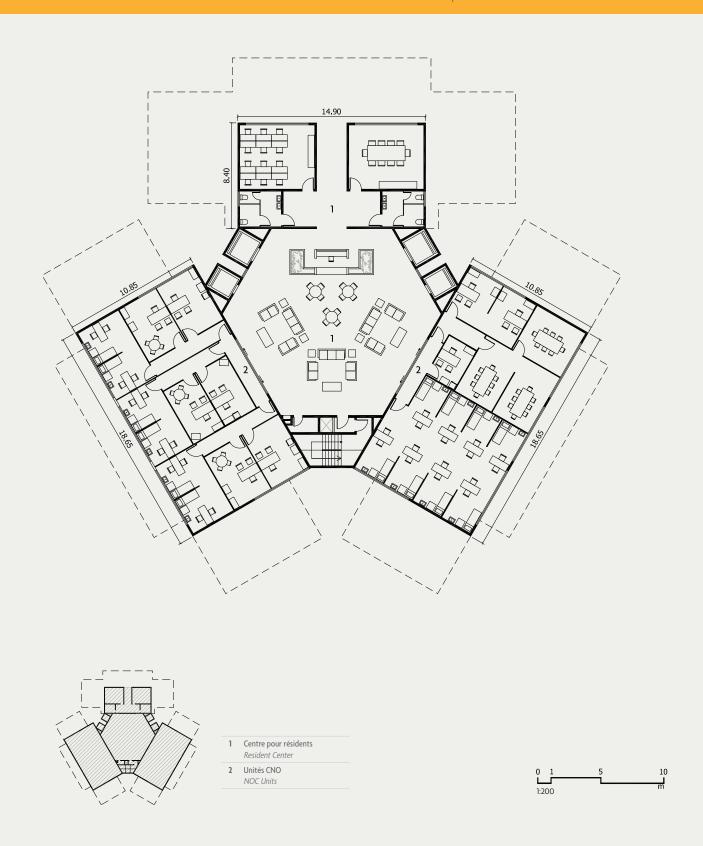
The legacy design provides substantial flexibility to evolve space planning to specifically meet athlete and NOC/NPC support requirements. The substantial floor space which has not been deployed at this stage of planning provides the opportunity to work collaboratively with the IOC, IPC, NOC and NPCs to meet their specific requirements for 2016. Rio 2016's budget has been developed to support this evolution of the Village.



VILLAGE OLYMPIQUE

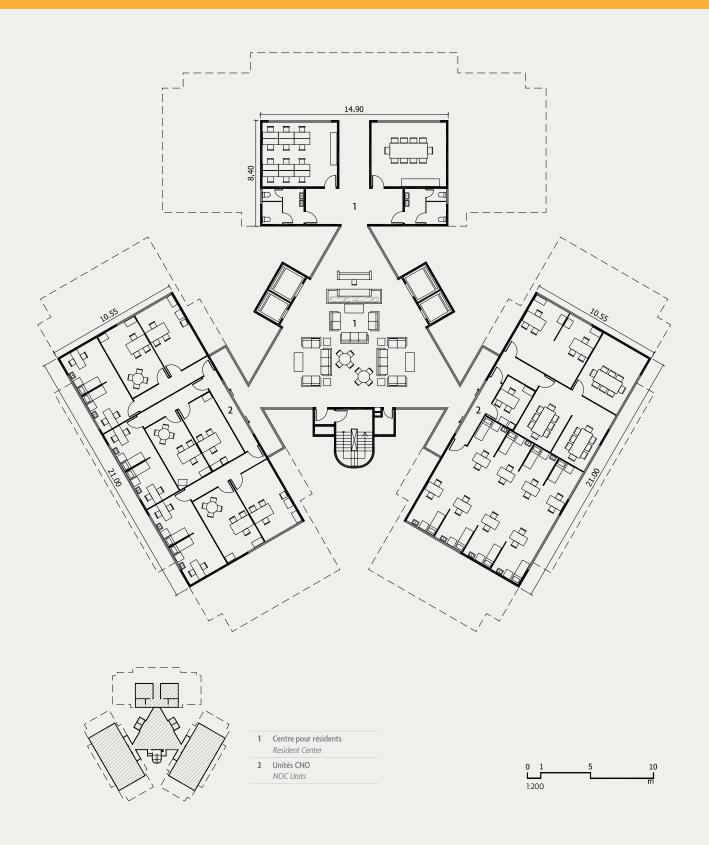
REZ-DE-CHAUSSÉE | GROUND FLOOR

IMMEUBLE AVEC APPARTEMENT DE 3 CHAMBRES À COUCHER | 3 BEDROOM APARTMENT BLOCK



REZ-DE-CHAUSSÉE | GROUND FLOOR

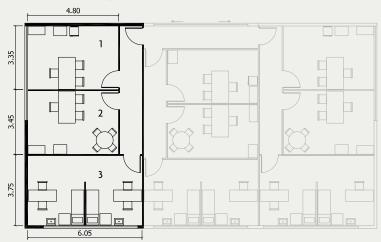
IMMEUBLE AVEC APPARTEMENT DE 4 CHAMBRES À COUCHER | 4 BEDROOM APARTMENT BLOCK



VILLAGE OLYMPIQUE

UNITÉS CNO - PLAN TYPIQUE | NOC UNITS - TYPICAL LAYOUT IMMEUBLE AVEC APPARTEMENT DE 3 CHAMBRES | 3 BEDROOM APARTMENT BLOCK

UNITÉS CNO - (1-50) | NOC UNITS - (1-50)

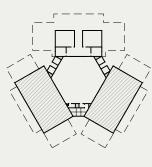


UNITÉS CNO - (51-100) | NOC UNITS - (51-100)

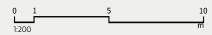


UNITÉS CNO - (101-600) | NOC UNITS - (101-600)





1	Bureau du Chef de Mission Chef de Mission Office
2	Bureau du CNO NOC Office
3	Espace Médical Medical Space
4	Salle de Réunion Meeting Room

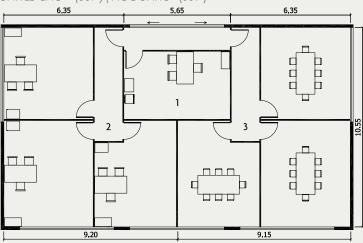


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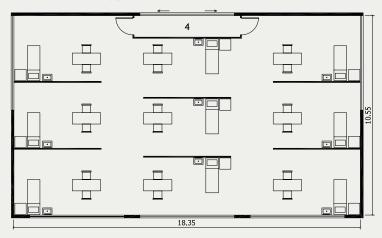
UNITÉS CNO - PLAN TYPIQUE | NOC UNITS - TYPICAL LAYOUT

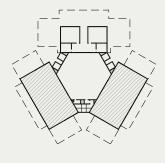
IMMEUBLE AVEC APPARTEMENT DE 3 CHAMBRES | 3 BEDROOM APARTMENT BLOCK

UNITÉS CNO - (601+) | NOC UNITS - (601+)



UNITÉS CNO - (601+) | NOC UNITS - (601+)





- 1 Bureau du Chef de Mission Chef de Mission Office
- 2 Bureau du CNO NOC Office
- 3 Salle de Réunion Meeting Room
- 4 Espace Médical Medical Space



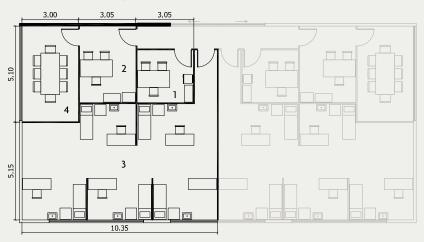
VILLAGE OLYMPIQUE

UNITES CNO - PLAN TYPIQUE | NOC UNITS - TYPICAL LAYOUT IMMEUBLE AVEC APPARTEMENT DE 4 CHAMBRES | 4 BEDROOM APARTMENT BLOCK

UNITÉS CNO - (1-50) | NOC UNITS - (1-50)

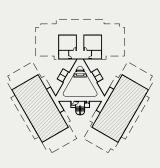


UNITÉS CNO - (51-200) | NOC UNITS - (51-200)

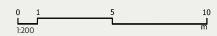


UNITÉS CNO - (201-600) | NOC UNITS - (201-600)





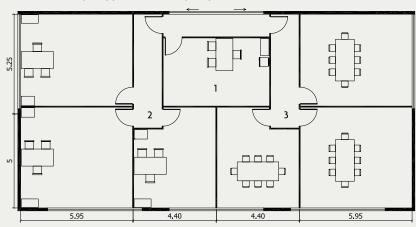
1	Bureau du Chef de Mission Chef de Mission Office
2	Bureau du CNO NOC Office
3	Espace Médical Medical Space
4	Salle de Réunion Metting Room



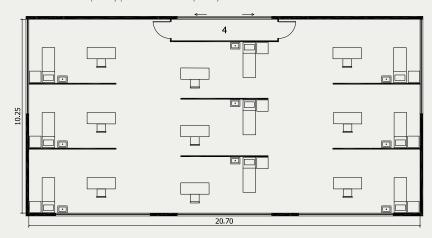
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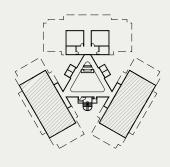
IMMEUBLE AVEC APPARTEMENT DE 4 CHAMBRES | 4 BEDROOM APARTMENT BLOCK

UNITÉS CNO - (601+) | NOC UNITS - (601+)

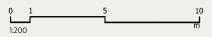


UNITÉS CNO - (601+) | NOC UNITS - (601+)





- 1 Bureau de Chef de Mission Chef de Mission Office
- 2 Bureau du CNO NOC Office
- 3 Salle de Réunion Metting Room
- 4 Espace Médical Medical Space





11.11.2 APARTMENTS AND ROOMS

Village apartments have been designed to offer a normal lifestyle for athletes, optimizing common area spaces such as lounge, dining room and extensive outdoor balconies so residents can relax and not be overcrowded. The substantial bed capacity of the Village in standard legacy configuration allows retention of all common spaces resulting in spacious apartment living with a high standard of amenity and the provision of substantial practical storage spaces in each apartment (or an additional workroom, office or bedroom).

The Village consists of three- and four-bedroom apartments in 34 residential buildings. All rooms will be a minimum size of $12m^2$ with an average room size of $14m^2$. Rio 2016 is committed

to close collaboration with the IOC/IPC and NOCs/NPCs and their athletes to ensure that apartment conditions are optimized and that the fit out, including all technologies, equipment and furnishings, meets requirements.

The room layout does not require any modifications to dining areas, living spaces or kitchens, a significant advantage which substantially reduces retrofitting obligations and costs to hand back for legacy use.

Rio 2016 has worked closely with the developer and international accessibility consultants to ensure all apartments in the Paralympic Village meet the required accessibility standards.

VILLAGE OLYMPIQUE

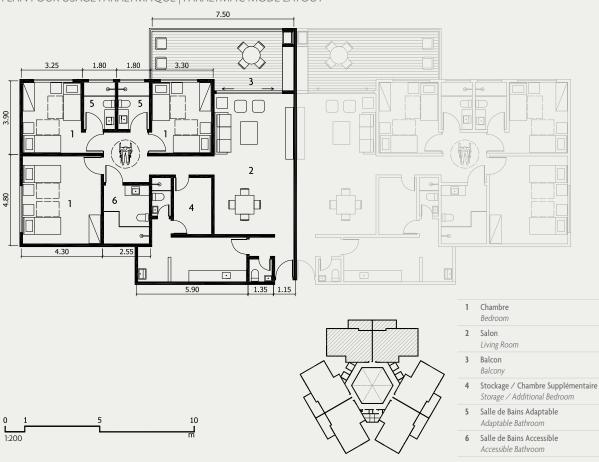
PLAN | PLAN

APPARTEMENT DE 3 CHAMBRES | 3 BEDROOM APARTMENT

PLAN POUR USAGE OLYMPIQUE | MODE OLYMPIC MODE LAYOUT



PLAN POUR USAGE PARALYMPIQUE | PARALYMPIC MODE LAYOUT

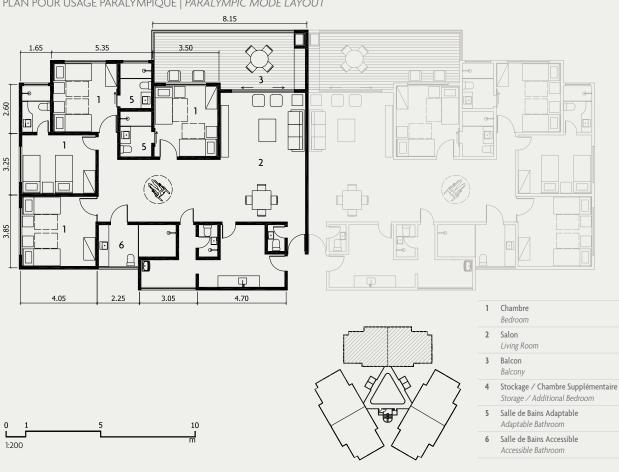


APPARTEMENT DE 4 CHAMBRES | 4 BEDROOM APARTMENT

PLAN POUR USAGE OLYMPIQUE | MODE OLYMPIC MODE LAYOUT

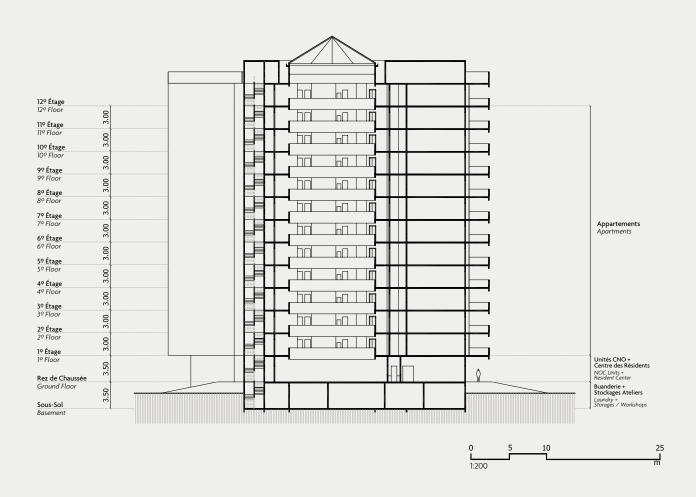


PLAN POUR USAGE PARALYMPIQUE | PARALYMPIC MODE LAYOUT



VILLAGE OLYMPIQUE

PLAN | PLANCOUPE DU BÂTIMENT | BUILDING SECTION





OLYMPIC VILLAGE

11.12 SURFACE AREA

SPACE TO RELAX AND ENJOY

The Olympic and Paralympic Village will benefit from rooms which meet or exceed the minimum requirements as demonstrated in the following table.

11.13 BED NUMBERS

ADDITIONAL SPACE AVAILABLE

The Village will provide 8,856 rooms and will accommodate over 17,700 beds. This will provide the necessary contingency for allotment inefficiency (no shared rooms male/female/different nations) to provide required single rooms and accommodate additional officials. In addition to the more than 17,700 beds,

74% of the apartments have an additional bedroom with a minimum size of 6m², a total of 1,798 additional rooms. These rooms have not been included within the room count and can provide additional single bedrooms for the isolation of sick athletes and restless sleepers, office areas or storage.

11.14 FLOOR SPACE

COMFORT FOR EACH PERSON

All apartments will have generous common spaces which will include the living and dining areas as well as substantial balcony spaces, none of which will be adapted into bedrooms. This means that residents will enjoy an average of 22m² per person of living space within each apartment.

ROOM SIZES

APARTMENT TYPE	Total bedroom area (m²)	Total number of rooms	Average bedroom area (m²)
3 Bedroom (Olympic Mode)	21,879	1,407	16
4 Bedroom (Olympic Mode)	44,522	3,448	13
3 Bedroom (Olympic and Paralympic Mode)	20,641	1,401	15
4 Bedroom (Olympic and Paralympic Mode)	33,443	2,600	13
Total	120,485	8,856	14

TABLE 11.13 - NUMBER OF ROOMS AND BEDS

	Olympic	c Games	Paralympic Games	
TYPE OF ROOM	Number of rooms	Number of beds	Number of rooms (% wheelchair-accessible)	Number of beds
Single rooms	0	0	0	0
Double rooms	8,856	17,712	4,001 (85%)	8,002
Total	8,856	17,712	4,001 (85%)	8,002

RAW FLOOR SPACE

OLYMPIC MODE			
	Area of apartment (m²)	Number of apartments	Number of beds
3 Bedroom	149	936	5,616
4 Bedroom	167	1,512	12,096
Total			17,712
Raw floor space per person (m²)			22

PARALYMPIC MODE

	Area of apartment (m²)	Number of apartments	Number of beds
3 Bedroom	149	467	2,802
4 Bedroom	167	650	5,200
			8,002
Raw floor space per person (m ²)			22

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11.15 LAYOUT

EASY ACCESS TO ALL ZONES

Zone layout

The Master Plan indicates the concept for the distribution of the various Village zones and shows all access points.

Access points

There are six major access points into the Olympic and Paralympic Village:

- The Welcome Center will be accessed from Olof Palm Avenue, a road only used for NOC delegation arrivals and departures.
 Personnel and baggage screening will be undertaken at this location for all residents entering the Village
- The Main Entry for guests and visitors will be accessed from Via 5. With parking for approximately 200 vehicles, this entry will lead directly into the International Zone. The Guest Pass Center will be located at the secure perimeter. Personnel screening will be implemented in this location. The NOC/ NPC parking area will have a dedicated entry adjacent to the Main Entry, and a non permitted taxi load zone will also be located in close proximity to this entry
- A Residential Zone Entry, located on the main boulevard fronting the Village, will allow for direct access into the Village for athletes and officials
- The Operational Entry will be located at Via 5 and will be the entry for all operational, delivery and maintenance vehicles.
 It will access directly into the Village back of house. Vehicle and personnel screening will take place in this location
- The Transport Mall is the location for personnel and baggage screening. It will be accessed at the west end of Via 5, with access directly into the Residential Zone
- The Workforce Entry will be located adjacent to the Operational Entry with a dedicated workforce check-in area.
 A walking route will be created from the nearest transport terminal to this location.

International Zone

The International Zone adjacent to the Main Entry will include the Guest Pass Center and Lounge, Media Center, Welcome Ceremony Plaza, restaurants/cafes, commercial and retail center, bank, post office, internet cafe and sponsor showcasing plaza.

Residential Zone

The Residential Zone will accommodate residential apartments, Resident Centers, Main Dining Hall, Rua Carioca (a Rio street experience), Entertainment Center, Fitness Center, NOC/NPC Services Centers, Religious Center and the Chefs de Mission Auditorium.

Operational Zone

The Operational Zone will accommodate workforce check-in and dining, logistics warehouses and parking, Technology Center, housekeeping facilities, Security Command Center, cleaning and waste compounds, emergency services facilities and parking, vehicle screening and material transfer areas and Village management areas.

Transport Zone

The Transport Zone (6 hectares) will include the Transport Mall with 45 bus bays and bus lay-by area, NOC/NPC parking of approximately 1,000 spaces, guest parking of approximately 250 spaces and Welcome Center parking.

The layout for both the Olympic and Paralympic Villages is identical, as shown in the following Master Plan.



VILLAGE OLYMPIQUE OLYMPIC VILLAGE

INTERNATIONAL AND RESIDENTIAL ZONE OLYMPIC AND PARALYMPIC MODE A3 A6 C2 В3 В7 :C6:: B6 CON CONTROL ON THE A6 Stationnement CNO B3 Centre de Récueillement Œcuménique C Zone Internationale C4 Cour et Café 5 Entrée du Centre d'Accueil A2 Enceinte de Restauration A7 Centre d'accueil Administration du Village C1 Centre des Médias C5 Place de la Cérémonie d'Accueil Welcome Center Entry Welcome Center Village Management Welcome Ceremony Plaza Catering Compound 1 Entrée de la Gare Routière 6 Entrée de la Zone Résidentielle A3 Entrepôt Logistique B Zone Résidentielle B4 Salle des Chefs de Mission **B6** Immeubles Résidentiels C2 Centre de Laisser-Passer pour les invités C6 Drapeaux des Nations Transport Mall Entry Residential Zone Entry Chefs de Mission Hall 2 Entrée Opérationelle 7 Entrée du Centre d'Entraînement B1 Restaurant Principal Centre de Services des CNO B7 Rua Carioca C3 Installations Commerciales Operational Entry Training Center Entry Parking Area Commercial Facilities 3 Entrée Principale A Zone des Opératios A5 Entrée Principale B2 Polyclinique Centre d'Informations Sportives

11.16 SERVICE AREA LINKS

EVERY FACILITY IS CLOSE

The site of the Olympic and Paralympic Village is primarily flat and all major routes between the various facilities will be level or at a maximum gradient of 1:20 and 1:50 crossfall. All permanent and temporary structures will be fully accessible with ramps provided to all main entries and key facilities.

The Residential Zone is compact with only 34 residential blocks, meaning the furthest distance from any residential building to the Transport Mall and Main Dining Hall is 900m. A continuous zero emissions shuttle service will circulate on the loop road stopping adjacent to the Transport Mall and Main Dining Hall.

11.17 DINING HALLS

OPTIONS OF SIZE, CUISINE, CULTURE AND CHARACTER

There will be a range of dining cuisines and food types within the Olympic and Paralympic Village in accordance with the cultural diversity of the Village residents and meeting all nutritional requirements, sourced organically and ethically. Menus will change regularly to ensure a satisfying 24-hour dining experience. A central Main Dining Hall of 24,000m² will accommodate 5,500 residents at any one time. This will be located close to the heart of the Village adjacent to the Transport Mall. Within this facility, a separate workforce dining facility for up to 1,500 staff will be accommodated with separate access.

Along *Rua Carioca*, the central axis of the Village in both the Residential and International Zones, a range of cafes and restaurants will offer a more casual dining experience, a reflection of the vibrant street culture of Rio. This street will contain international and Brazilian cafes and will have significant outdoor seating to take advantage of Rio's ideal climate at Games time

Within the International Zone, a restaurant/cafe for up to 500 people will be provided with an area of 1,500m² for visitors and athletes.

Athletes will also have the opportunity to order boxed lunches.

11.18 TRAVEL GRANTS

GUARANTEED YET FLEXIBLE GRANTS

11.18.1 GUARANTEED GRANTS

Rio 2016 guarantees the provision of cash travel grants to all NOCs/NPCs unless specifically requested by an NOC/NPC to provide air tickets in lieu of cash. Rio 2016 has adopted the following principles in development of the travel grant program:

- The basis of the calculation of the airfare grant will be the same for both Games
- Many NOCs/NPCs have preferred airlines and airline sponsorship arrangements, including with national carriers, and this precludes the supply of discounted tickets by Rio 2016
- For many NOCs/NPCs, travel to the Games is a substantial undertaking and, from the revenues of the Games, the full economy airfare will be provided to all NOCs/NPCs within the IOC/IPC designated formula. For this reason, Rio 2016 has based the travel grant program on full excursion unrestricted economy airfares for all NOCs/NPCs using team sizes for the 2008 Olympic and Paralympic Games as a guide plus a contingency to account for possible future increases. The team size to be applied in 2016 will be that which is recognized under the IOC/IPC guidelines and the ultimate rate per ticket as agreed with the IOC/IPC
- Irrespective of current budgeting assumptions, Rio 2016 will abide by the procedures and deadlines determined by the IOC/ IPC to establish the final grant for the 2016 Olympic Games.

In addition to the travel grant program, Rio 2016 will meet the full costs for the Olympic and Paralympic Games of freight of all horses (Equestrian), boats (Sailing), rowing shells (Rowing), canoes and kayaks (Canoe/Kayak) and pistols, guns and ammunition (Shooting, Modern Pentathlon) for all NOCs/NPCs to and from Rio, commencing from an agreed point of origin. Costs will be met on the basis of a logical last overseas competition venue approach and international freight hubs. The hub ports will be determined in close collaboration with IFs and NOC/NPCs.

Refer to Section 11 of the Guarantees File.

11.18.2 TRAVEL AND FREIGHT GRANTS BUDGET

The amount currently budgeted for the travel grant and freight grant program is:

NOC/NPC DELEGATIONS - TRAVEL GRANTS (IN USD MILLIONS)

	Travel grant	NOC/NPC – Freight grant	
Olympic Games	49.6	7.	
Paralympic Games	7.3	7.1	

RIO 2016 TERMINOLOGY

This glossary is provided for Rio 2016 specific terms. For information regarding general Olympic and Paralympic terms, refer to the Olympic core terminology provided by the IOC.

4.0.4	Durilli Assess for During Control
ABA	Brazil's Agency for Doping Control
ANVISA	Brazil's National Public Health and Hygiene Surveillance Agency
BOC	Brazilian Olympic Committee
BPC	Brazilian Paralympic Committee
BRASÍLIA	The federal capital of Brazil, and a city hosting Olympic Football
BRL / REAL	Brazilian Real – the currency of Brazil designated by BRL
BRT	Bus Rapid Transit – an innovative, environmentally-friendly, high capacity mass transit system operating on exclusive right-of-way lanes that transfers the strengths of a rail system to road transport. The system, originally conceived in Brazil, is now used in cities around the world including Beijing, and has proven very efficient for high demand corridors worldwide
CARIOCA	A person from or living in Rio de Janeiro
CARNAVAL	The Portuguese word for Carnival, the annual festival in Brazil held over the 4 days prior to Ash Wednesday. Rio hosts one of the world's largest Carnaval celebrations.
CCO	A new Traffic and Transport Control Center to be constructed
CLEAN-TO-CLEAN	A transport policy that will be employed for various transport systems. This will enable security-cleared vehicles to enter venues without the requirement for further clearances. Clients need only show their credentials at the entrances of facilities, minimizing transit times
CORCOVADO	The Portuguese name for the mountain in Tijuca Forest on which the famous Christ the Redeemer statue is located
CTA	Rio's existing integrated Traffic Control Management Center (CTA) covering critical areas of the city
FEDERAL INTER- MINISTERIAL COMMITTEE	A Committee established by the President of Brazil, and under the patronage of the Minister of Sport, to oversee all Federal Government Games Candidature responsibilities
FGV	Getúlio Vargas Foundation – a Brazilian academic institution engaged by the Federal Government to research such subjects as macro and micro economics, finance, welfare and so on. For the Bid, FGV were heavily involved in the development of the Games budget
GTOC	Rio 2016's Games Transport Operation Center which will assume full responsibility for managing Games Family transport
HIGH PERFORMANCE TRANSPORT RING	The suburban rail network that provides access to the Deodoro and Maracanā Zones, the metro system that provides access to the Maracanā and Copacabana Zones and the BRT systems that serve as extensions of the metro and suburban rail closing the ring and providing access to the Barra, Deodoro and Copacabana Zones
INFRAERO	The public company responsible for the management of Brazil's international and domestic airport terminals
MAIS EDUCACAO	Literally translated, 'More Education'. A Federal Government program that funds sports infrastructure for public schools
ODA	Olympic Development Authority – the Federal Government authority that will be established to coordinate all Government support including the development of all Games-related infrastructure and the delivery of all Government services for the Games
OLYMPIC BEACH	A secured, private beach open to the residents of the Olympic and Paralympic Village; operating day and night, including a live site with full Games coverage and staging facilities for concerts throughout the Games
OLYMPIC LANES	Traffic lanes reserved for the movement of Games-permitted vehicles which facilitate all inter- as well as intra-zone journeys and travel for the Games Family
OSD	Olympic Sustainability Division – a government authority that will lead and manage all environment and sustainability projects
ОТС	Olympic Training Center – a collection of sports facilities that will combine under a coordinated national program to offer a high performance training and services for athletes of Brazil, South America and surrounding regions
OTTD	Olympic Traffic and Transport Division – a State Government authority, integrated with the City and supported by the Federal Government, to operate and manage Games time traffic and transport
PAC	Plan for Growth Acceleration – a USD240 billion Federal Government sponsored special initiative for infrastructure improvements
PORT AREA	The Port of Rio de Janeiro where cruise liners berth – the port and surrounding facilities will undergo substantial renovation in the lead up to the Games
RIOCENTRO	An exhibition and conference center in Rio de Janeiro (Barra Zone) famous for hosting the UN's Earth Summit in 1992
RUA CARIOCA	A street running through the central axis of the Olympic and Paralympic Village where a range of cafes and restaurants will offer a casual dining experience, reflecting the vibrant street culture of Rio
SAMBÓDROMO	The home of Rio's Carnaval Parade, during the 2016 Games the Sambódromo will be the venue for Archery and Athletics (Marathon)
SENASP	SENASP is Brazil's National Public Security Secretariat. During the 2016 Games, SENASP will lead the coordination of the Games security operations
ттсс	OTTD's Traffic and Transport Coordination Center (TTCC) which will provide coordination and communications for spectator and workforce transport, and traffic operations during Games-time
X PARK	The X Park is a complex of venues in Deodoro that will host Cycling (BMX and Mountain Bike) and Canoe/Kayak (Slalom) events

RIO 2016 REMERCIE LES GOUVERNEMENTS FÉDÉRAL, D'ÉTAT ET DE LA VILLE POUR LEUR SOUTIEN À LA CANDIDATURE POUR LES JEUX OLYMPIQUES ET PARALYMPIQUES DE 2016

RIO 2016 THANKS THE FEDERAL, STATE AND CITY GOVERNMENTS FOR THEIR SUPPORT OF THE 2016 OLYMPIC AND PARALYMPIC GAMES CANDIDATURE







