

HIGH SPEED LINES IN THE WORLD

Updated 3rd July 2017

Lines or sections of lines in which operation $V > 250 \text{ km/h}^1$

1: There are some exceptions.

EUROPE

AUSTRIA

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Vienna	–	St Pölten		230	2012	48

Total km = 48

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Ybbs	–	Amstetten		230		17
Gloggnitz	–	Mürzzuschlag	(Sermmering-Basistunnel)		2024	27
Graz	–	Klagenfurt	(Koralmtunnel)		2024	110
Brennerachse						64

Total km = 218

Total Austria km = 266

BELGIUM

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Brussels	–	French Border (L1)		300	1997	72
Leuven	–	Liège (L2)		300	2002	65
Liège	–	German Border (L3)		260	2009	36
Antwerp	–	Dutch border (L4)		300	2009	36

Total km = 209

Total Belgium km = 209

CZECH REPUBLIC

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Vranovice	Breclav (border A to Wien, border SK to Bratislava)			200 - 350		40
Brno	Prov			200		70
Praha	Lovosice			350		55
Brno	Vranovice			200 - 350		30
Lovosice	border D (to Dresden)			200 - 350	>2040	40
Praha	Brno			350	>2040	205
Prerov	Ostrava			350	>2040	80
Prerov	Ostrava			350	>2040	80
Ostrava	border P (to Katowice)			300	2050	10
Praha	Plzen			250 - 350	2050	75
Plzen	border D (to Nurnberg)			350	2050	55
Praha	border P (to Wroclaw)			350	2050	150

Total km = 890

Total Czech Republic km = 890

DENMARK

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Copenhagen	–	Ringsted		250	2018	56

Total km = 56

Total Denmark km = 56

ESTONIA, LATVIA, LITHUANIA (Rail Baltica)

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Tallin	Riga - Kaunas	Border with Poland		240		740

Total km = 740

Total Rail Baltica km = 740

FRANCE

In operation:

Section	Max.Speed (km/h)	Year	Distance (km)
LN1	300	1981 / 1983	419
LN2	300	1989 / 1990	291
LN4	300	1992 / 1994	121
LN3	300	1994 / 1996	346
LN3 bis	300	1994 / 1996	104
LN5	300	2001	259
LN6	320	2007	332
(Figueres -) Frontière – Perpignan	300	2010	24
LN7	320	2011	140
LN6	320	2016	106
LGV Bretagne Pays de la Loire (BPL, Le Mans - Rennes)	320	2017	214
LGV Sud Europe Atlantique (SEA, Tours - Bordeaux)	320	2017	340

Total km = 2,696

Under construction:

Section	Max.Speed (km/h)	Year	Distance (km)
Contournement de Nîmes - Montpellier (CNM)	300	2018	80

Total km = 80

Long-term planning:

Section	Max.Speed (km/h)	Year	Distance (km)
Ligne Nouvelle Paris - Normandie (LNPN), zone Paris - Mantes (phase 1)	200	2017-2030	59
Liaison Roissy - Picardie	160	2017-2030	7
LGV Bordeaux - Toulouse (GPSO)	350	2017-2030	250
LGV Bordeaux - Dax (GPSO)	350	2017-2030	205
nœud de Marseille et Cannes - Nice		2017-2030	
Interconnexion Sud en Île-de-France		2030-2050	31
LGV Paris - Orléans - Clermont-Ferrand (POCL)		2030-2050	540
Ligne nouvelle Montpellier - Perpignan (LNMP)		2030-2050	155
LGV Provence Côte d'Azur (LN PCA)	250	2030-2050	189
Ligne Nouvelle Ouest Bretagne Pays-de-la-Loire (LNOBPL)		2030-2050	300
LGV Rhin-Rhône Branche Est (second phase)		2030-2050	50
Accès Alpains Lyon-Chambéry-Turin	300	2030-2050	

Total km = 1,786

Total France km = 4,562

GERMANY

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Fulda	–	Würzburg		280	1988	90
Hannover	–	Fulda		280	1991	248
Mannheim	–	Stuttgart		280	1991	109
Hannover (Wolfsburg)	–	Berlin		250	1998	189
Köln	–	Frankfurt		300	2002	184
Köln	–	Düren		250	2003	42
(Karlsruhe -) Rastatt	–	Offenburg		250	2004	44
Leipzig	–	Gröbers (- Erfurt)		160	2003	24
Hamburg	–	Berlin		230	2004	253
Nürnberg	–	Ingolstadt		300	2006	89
München	–	Augsburg		230	2011	62
(Karlsruhe) Katzenberg Tunnel	–	Basel		250	2012	18
Leipzig/Halle	–	Erfurt		300	2015	123

Total km = 1,475

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Ebensfeld	–	Erfurt		300	2017	100
Nürnberg	–	Ebensfeld		160/230	2017	83
Stuttgart	–	Wendlingen		250	2021	57
(Karlsruhe -) Buggingen		Katzenberg tunnel - (Basel)		250	2021	12
Wendlingen	–	Ulm		250	2021	60
Tunnel Rastatt				250	2022	17
(Karlsruhe -) Offenburg		Riegel - (Basel)		250	2029	39

Total km = 368

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Frankfurt	–	Mannheim		300	>2020	84
Hamburg/Bremen	–	Hannover		250		114
(Frankfurt -) Hanau	–	Fulda/Würzburg		300	>2025	126

Total km = 324

Total Germany km = 2,167

ITALY

In operation:

Section		Max.Speed (km/h)	Year	Distance (km)
Rome	– Florence (First section)	250	1981	150
Rome	– Florence (Second section)	250	1984	74
Rome	– Florence (Third section)	250	1992	24
Rome	– Naples	300	2006	220
Turin	– Novara	300	2006	94
Novara	– Milan	300	2009	55
Milan	– Bologna	300	2008	182
Florence	– Bologna	300	2009	77
Naples	– Salerno	250	2009	47
Milan (Treviglio)	– Brescia	300	2016	58

Total km = 981

Under construction:

Section		Max.Speed (km/h)	Year	Distance (km)
Genoa	– Milan (Tortona)	250	2020	67

Total km = 67

Long-term planning:

Section		Max.Speed (km/h)	Year	Distance (km)
Brescia	– Verona	300	>2020	139
Verona	– Padova	250	>2020	82

Total km = 221

Total Italy km = 1,269

THE NETHERLANDS

In operation:

Section		Max.Speed (km/h)	Year	Distance (km)
Schiphol	– Rotterdam – Belgian Border	300	2009	120

Total km = 120

Total Netherlands km = 120

NORWAY

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Sandbukta	Fredrikstad			250		34
Gardermoen	Hamar			250		74
Drammen	Tønsberg			250		60
Fredrikstad	Halden			250		39
Hamar	Lillehammer			250		54
Tønsberg	Skien			250		72

Total km = 333

Total Norway km = 333

POLAND

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Grodzisk Maz	Opoczno	Zawiercie		200	2015	224

Total km = 224

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Warszawa - Lodz	Wroclaw	Poznan		350	>2020	484
Warszawa	Katowice	Krakow		300	>2020	373
Wroclaw		BorderCzech Republic		250 - 350	2030	120
Poznan		border Germany		350	2030	150

Total km = 1,127

Total Poland km = 1,351

PORTUGAL

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Lisboa	- Caia (- Madrid)			350		206
Porto	- Valença (- Vigo) first phase			250		55
Lisboa	- Porto			300		290
Porto	- Valença (- Vigo) second phase			250		45

Total km = 596

Total Portugal km = 596

RUSSIA

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Moscow	–	Kazan		350	2026	770
Moscow	–	St. Petersburg		400	2021-2026	659
Moscow	–	Adler(Sochi)		400	2021-2028	1,549

Total km = 2,978

Total Russia km = 2,978

SPAIN

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Madrid	–	Seville		270	1992	471
Madrid	–	Lleida		300	2003	519
Zaragoza	–	Huesca		200	2003	79
(Madrid -) La Sagra	–	Toledo		250	2005	21
Córdoba	–	Antequera		300	2006	100
Lleida	–	Camp de Tarragona		300	2006	82
Madrid	–	Segovia	– Valladolid	300	2007	184
Antequera	–	Málaga		300	2007	55
Camp de Tarragona	–	Barcelona		300	2008	88
By pass Madrid		Line Madrid - Barcelona	Gavilanes	200	2009	5
La Coruña	–	Santiago		250	2009	62
Madrid	–	Valencia / Albacete		300	2010	432
Figueres	–	Frontera (- Perpignan)		300	2010	20
Ourense	–	Santiago		250	2011	88
By pass de Yeles		Line Madrid / Valencia		200	2012	6
Barcelona	–	Figueres		300	2013	132
Albacete	–	Alicante		300	2013	165
Santiago	–	Vigo		250	2015	94
Valladolid	–	León		200	2015	163
Utrera	–	Jerez		250	2015	73
Olmedo	–	Zamora		200	2015	99

Total km = 2,938

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Monforte del Cid	–	Murcia		300	2018	62
Venta de Baños	–	Burgos		300	2018	91
Bobadilla	–	Granada		250	2018	109
León	–	Asturias	Variante de Pajares	250	2019	50
Plasencia	–	Cáceres / Badajoz		300	2019	193
Zamora	–	Orense		300	2019	224
Vitoria	–	Bilbao-San Sebastián	"Basque Y"	250	2022	175

Total km = 904

Planned:

Section				Max.Speed (km/h)	Year	Distance (km)
Burgos	–	Vitoria		300		110
Madrid	–	Navalmoral / Plasencia		300		276
Almería	–	Murcia		300		190
Palencia	–	Santander		300		201
Zaragoza	–	Castejón		250		149
Castejón	–	Pamplona		300		75
Orense	–	Vigo (vía Cerdedo)		250		60

Total km = 1,061

Total Spain km = 4,903

SWEDEN**Long-term planning:**

Section				Max.Speed (km/h)	Year	Distance (km)
Goteborg	–	Boras			2024	50
Jarna	–	Linkoping			2028	150
Boras	–	Linkoping				190
Stockholm	–	Jarna				50
Jonkoing	–	Malmö / Goteborg				300

Total km = 740

Total Sweden km = 740

SWITZERLAND

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Mattstetten	–	Rothrist		200	2004	52
Frutigen	–	Visp (Lötschberg base tunnel)		250	2007	35
Erstfeld	–	Biasca (Gotthard base tunnel)		250	2016	57

Total km = 144

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Giubiasco	–	Lugano (Ceneri base tunnel)		250	2019	15

Total km = 15

Total Switzerland km = 159

UNITED KINGDOM

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Fawkham Junction	–	Tunnel		300	2003	74
London	–	Southfleet Junction		300	2007	39

Total km = 113

Planned:

Section				Max.Speed (km/h)	Year	Distance (km)
London	–	Birmingham (HS2, first section)		360	2026	204
London	–	Manchester/Leeds (HS2, Second section)		360	2032	339

Total km = 543

Total United Kingdom km = 656

TOTAL KM EUROPE:

In operation = 8,948

Under construction = 1,708

Planned = 1,604

Long-term planning = 9,735

Total Europe = 21,994

ASIA

BAHRAIN and QATAR

Long-term planning:

Section	Max.Speed (km/h)	Year	Distance (km)
Doha — Manama	350		180

Total km = 180

Total Bahrain and Qatar km = 180

CHINA (PASSENGERS DEDICATED LINES – PDL)

In operation:

Section	Max.Speed (km/h)	Year	Distance (km)
Qinhuangdao — Shenyang	250	2003	405
Beijing — Tianjing	350	2008	118
Nanjing — Hefei	250	2008	149
Jinan — Qingdao	200	2009	393
Hefei — Wuhan	250	2009	331
Shijiazhuang — Taiyuan	250	2009	224
Wuhan — Guangzhou	300	2009	1,079
Ningbo — Wenzhou — Fuzhou-Xiamen	250	2010	837
Zhengzhou — Xi'an	300	2010	523
Chengdu — Dujiangyan	200	2010	65
Shanghai — Nanjing	300	2010	324
Nanchang — Jiujiang	250	2010	119
Shanghai — Hangzhou	350	2010	147
Changchun — Jilin	250	2010	111
Hainan East Circle	250	2010	308
Guangzhou — Zhuhai North	200	2011	143
Beijing — Shanghai	300	2011	1,318
Guangzhou — ShenZhen (Hongkong)	250	2011	102
Wuhan — Yichang	200	2012	292
Hefei — Bengbu	300	2012	131
Zhengzhou — Wuhan	300	2012	526
Harbin — Dalian	300	2012	921
Beijing — Zhengzhou	300	2012	676
Longyan — Zhangzhou	200	2012	114
Nanjing — Hangzhou	350	2013	256
Hangzhou — Ningbo	350	2013	144
Panjin — Yingkou	350	2013	98

Tianjin	—	Qinhuangdao		350	2013	265
Xiamen	—	Shenzhen		250	2013	468
Xi'an	—	Baoji		300	2013	148
Nanning	—	Liuzhou		250	2013	221
Liuzhou	—	Hengyang		200	2013	497
Nanchang	—	Fuzhou		200	2013	632
Wuhan	—	Xianning		200	2013	76
Qinzhou	—	Beihai		250	2013	100
Nanning	—	Qinzhou		250	2013	99
Qinzhou	—	Fangchenggang		250	2013	63
Taiyuan	—	Xi'an		250	2014	570
Zhengzhou	—	Kaifeng		200	2014	50
Guiyang	—	Guangzhou		300	2014	857
Nanning	—	Guangzhou		250	2014	577
Lanzhou	—	Urumqi		250	2014	1,776
Hangzhou	—	Changsha		300	2014	933
Changsha	—	Xinhuang		300	2014	420
Hefei	—	Fuzhou		300	2015	806
Jilin	—	Huichun		250	2015	361
Harbin	—	Qiqihaer		250	2015	279
Shenyang	—	Dandong		250	2015	206
Hainan West Circle(Haikou-Sanya)				200	2015	345
Zhengzhou	—	Jiaozuo		250	2015	78
Tianjin	—	Yujiapu		300	2015	45
Nanjing	—	An'qing		200	2015	258
Dandong	—	Dalian		200	2015	292
Chengdu	—	Chongqing		300	2015	308
Jinhua	—	Wenzhou		200	2015	188
Tianjin	—	Baoding		250	2015	157
Nanning	—	Baise		200	2015	223
Xinhuang	—	Guiyang		300	2015	286
Ganzhou	—	Longyan		200	2015	250
Zhengzhou	—	Xuzhou		300	2016	362
Qingdao	—	Rongcheng		250	2016	299
Chongqing	—	Wanzhou		250	2016	247
Wuhan	—	Xiaogan		200	2016	62
Changsha	—	Zhuzhou	Xiangtan	200	2016	96
Kunming	—	Baise		200	2016	486
Guiyang	—	Kunming		300	2016	463
Dongguan	—	Huizhou		200	2016	100
Guangzhou	—	Zhaoqing		200	2016	111

Total km = 23,914

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Datong	—	Taiyuan		250		289
Xuzhou	—	Zhengzhou		300		362
Shijiazhuang	—	Ji'nan		250	2017	323
Baoji	—	Lanzhou		250	2017	401
Xi'an	—	Chengdu		250	2017	509
Zhangjiakou	—	Hohhot		250	2017	287
Beijing	—	Shenyang		350	2018	697
Harbin	—	Jiamusi		200	End/2018	343
Jinan	—	Qingdao		350	2018	308
Harbin	—	Mudanjiang		250	2019	293
Beijing	—	Zhangjiakou		300	2019	174
Shangqiu	—	Hangzhou (via Hefei)		350	2019	770
Beijing	—	Tangshan		350	2019	149
Chengdu	—	Guiyang		250	2019	633
Nanchang	—	Ganzhou		350	2020	420
Wuhan	—	Huangshi		200		96
Zhengzhou	—	Wanzhou		350	2021	785
Huangshi	—	Jiujiang		250		112
Fuzhou	—	Xiamen(Zhanzhou)		350		297
Xuzhou	—	Yancheng		250	2019	316
Zhengzhou	—	Fuyang		300		277
Ganzhou	—	Shenzhen		350	2020	432
Mudanjiang	—	Jiamusi				375
Zhangjiajie	—	Huaihua				247
Zhongwei	—	Lanzhou				218
Nanning	—	Guiyang				482
Lianyungang	—	Xuzhou				180
Beijing	—	Bazhou				78
Beijing	—	Tianjin Binhai New Area				98
Chongli Railway						67
Lanfang	—	Zhuozhou				65
Capital Airport	—	Beijing New Airport				160
Pinggu section	—	Ring Line Langfang				88
Gu'an	—	Baoding				106
Beijing	—	Shijiazhuang				293

Total km = 10,730

Planned:

Section				Max.Speed (km/h)	Year	Distance (km)
Chongqing	—	Kunming		350		720
Chifeng	—	Kazuo		250		157
Guangzhou	—	Shantou		300		194
Tongliao	—	Xinmin		250		197

Total km = 1,268

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Zhangjiakou	—	Datong		250		137
Meizhou	—	Shantou		250		120

Total km = 257

Total China km = 36,169

TAIWAN-CHINA**In operation:**

Section				Max.Speed (km/h)	Year	Distance (km)
Taipei	—	Kaohsiung		300	2007	345
Taipei	—	Nangang			2016	9

Total km = 354

Total Taiwan-China km = 354

INDIA**Long-term planning:**

Section				Max.Speed (km/h)	Year	Distance (km)
Mumbai	—	Amehdabad		250		495
Mumbai	—	Pune				185
Delhi	—	Amritsar				480
Delhi	—	Patna				1000
Howrah-Kolkata	—	Haldia				140
Hyderabad	—	Chennai		300		720
Chennai	—	Thiruvananthapuram		300		1080
Delhi	—	Jodhpur				530

Total km = 4,630

Total India km = 4,630

INDONESIA

Planned:

Section	Max.Speed (km/h)	Year	Distance (km)
Jakarta — Bandung	250		142

Total km = 142

Long-term planning:

Section	Max.Speed (km/h)	Year	Distance (km)
Bandung — Surabaya	300		570

Total km = 570

Total Indonesia km = 712

IRAN

Under construction:

Section	Max.Speed (km/h)	Year	Distance (km)
Teheran — Qom	200		150
Qom — Esfahan	300		275

Total km = 425

Long-term planning:

Section	Max.Speed (km/h)	Year	Distance (km)
Teheran — Mashad	270		870

Total km = 870

Total Iran km = 1,295

JAPAN (SHINKANSEN SYSTEM)

In operation:

Section			Max.Speed (km/h)	Year	Distance (km)
Tokyo	—	Shin Osaka (Tokaido)	270	1964	515
Shin Osaka	—	Okayama (San-yo)	270	1972	161
Okayama	—	Hakata (San-yo)	300	1975	393
Omiya	—	Morioka (Tohoku)	320	1982	465
Omiya	—	Niigata (Joetsu)	240	1982	270
Ueno	—	Omiya (Tohoku)	110	1985	27
Tokyo	—	Ueno (Tohoku)	70	1991	4
Fukushima	—	Yamagata (Yamagata)	MINI	1992	87
Morioka	—	Akita (Akita)	MINI	1997	127
Takasaki	—	Nagano (Hokuriku)	260	1997	117
Yamagata	—	Shinjo (Yamagata)	MINI	1999	62
Morioka	—	Hachinohe (Tohoku)	260	2002	97
Shin Yatsushiro	—	Kagoshima Chuo (Kyushu)	260	2004	127
Hachinohe	—	Shin Aomori (Tohoku)	260	2010	82
Hakata	—	Shin Yatsushiro (Kyushu)	260	2011	130
Nagano	—	Kanazawa (Hokuriku)	260	2015	228
Shin Aomori	—	Shin Hakodate (Hokkaido)	260/140	2016	149

Total km = 3,041

Under construction:

Section			Max.Speed (km/h)	Year	Distance (km)
Takeo Onsen	—	Isahaya(Kyushu)		2022	45
Isahaya	—	Nagasaki(Kyushu)		2022	21
Kanazawa	—	Tsuruga (Hokuriku)	260	2023	125
Shin Hakodate	—	Sapporo (Hokkaido)	260	2031	211

Total km = 402

Planned:

Section			Max.Speed (km/h)	Year	Distance (km)
Tsuruga	—	Shin Osaka (Hokuriku)		2046	143
Shin Tosu	—	Takeo Onsen (Kyushu)			51

Total km = 194

Total Japan km = 3,637

KAZAKHSTAN

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Astana	—	Almaty		250		1011

Total km = 1,011

Total Kazakhstan km = 1,011

MALAYSIA and SINGAPORE

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)	
Kuala Lumpur	—	Johor Bahru	—	Singapore	300	2026	350

Total km = 350

Total Malaysia and Singapore km = 350

SAUDI ARABIA

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)	
Medina	—	Jeddah	—	Mecca	300	2018	453

Total km = 453

Total Saudi Arabia km = 453

SOUTH KOREA

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
Seoul	—	Dongdaegu		300	2004	330
Dongdaegu	—	Busan		300	2010	82
Osong	—	Gwangju		300	2015	184
Suseo	—	Pyoengtaek		300	2016	61

Total km = 657

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Wonju	—	Gangneung		250	2017	120

Total km = 120

Planned:

Section				Max.Speed (km/h)	Year	Distance (km)
Gwangju	—	Mokpo		300	2022	49

Total km = 49

Total South Korea km = 826

THAILAND

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Bangkok	—	Chiang Mai		250		745
Ayuthaya	—	Nakhon Ratchasima	— Nong Khai	250		615
Bangkok	—	Rayong		250		221
Bangkok	—	Hai Yai	— Padang Desar?	250		982
Nakhon Ratchasima	—	Ubon Ratchasima		250		314

Total km = 2,877

Total Thailand km = 2,877

TURKEY

In operation:

Section				Max.Speed (km/h)	Year	Distance (km)
(Ankara-)Sinkan	—	Eskisehir		250	2009	232
Polatli	—	Konya		250	2011	212
Eskisehir	—	İzmit		250	2014	188
İzmit	—	Pendik		160	2014	56

Total km = 688

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Bursa	—	Yenişehir		250		75
Yerköy	—	Sivas		250		292
Konya	—	Karaman		200		102

Total km = 469

Planned:

Section				Max.Speed (km/h)	Year	Distance (km)
Kayseri kuzey geçişi				160		23
Bandırma	—	Bursa		250		100
Yenişehir	—	Osmaneli		250		30
Sivas	—	Erzincan		250		235
Nusaybin	—	Cizre	— Habur hattı	160		135
Mürşitpınar	—	Urfa		160		63

Total km = 586

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Ankara	—	Kayseri		250		175
Halkalı	—	Bulgaria Border		250		230
Gebze	—	İstanbul				43
Gaziantep	—	Çobanbey	— Halep			100

Total km = 548

Total Turkey km = 2,291

VIETNAM**Long-term planning:**

Section				Max.Speed (km/h)	Year	Distance (km)
Hanoi	—	Hô Chi Minh		300		1600

Total km = 1,600

Total Vietnam km = 1,600

TOTAL KM ASIA:

In operation = 28,654

Under construction = 12,599

Planned = 2,239

Long-term planning = 12,893

Total Asia = 56,385

OTHER HIGH SPEED SYSTEMS

AUSTRALIA

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Sydney	—	Canberra		350	2035	283
Melbourne	—	Gunning(-Sydney)		350	2040	611
Sydney	—	Newcastle		350	2045	134
Brisbane	—	Gold Coast		350	2051	115
Newcastle	—	Bronelton(-Gold Coast)		350	2058	606

Total km = 1,749

Total Australia km = 1,749

BRAZIL

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Rio de Janeiro	—	Sao Paulo	—	Campinas	300	511

Total km = 511

Total Brazil km = 511

CANADA

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Quebec	—	Ottawa	—	Windsor		1300
Calgary	—	Edmonton				290

Total km = 1,590

Total Canada km = 1,590

EGYPT

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Cairo	—	Alexandria				210
Cairo	—	Luxor				700
Hurghada	—	Luxor				300

Total km = 1,210

Total Egypt km = 1,210

MEXICO

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Mexico DF	—	Querétaro		300		210

Total km = 210

Total Mexico km = 210

MOROCCO

Under construction:

Section				Max.Speed (km/h)	Year	Distance (km)
Tanger	—	Kenitra		300	2018	183

Total km = 183

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Settat	—	Marrakech		300		480

Total km = 480

Total Morocco km = 663

SOUTH AFRICA

Long-term planning:

Section				Max.Speed (km/h)	Year	Distance (km)
Johannesburg	—	Durban		300		610
Johannesburg	—	Cape Town		300		1300
Johannesburg	—	Messina		300		480

Total km = 2,390

Total South Africa km = 2,390

USA

In operation:

Section	Max.Speed (km/h)	Year	Distance (km)
North East Corridor ([Boston –] New York – Washington)	240	2000	362

Total km = 362

Under construction:

Section	Max.Speed (km/h)	Year	Distance (km)
Fresno – Bakersfield	300	2021	483

Total km = 483

Long-term planning:

Section	Max.Speed (km/h)	Year	Distance (km)
Sacramento / San Francisco – Fresno		>2025	147
Bakersfield – Los Angeles	300	>2025	147
North East Corridor ([Boston –] New York – Washington)	350		735

Total km = 1029

Total USA km = 1,874

TOTAL KM OTHER COUNTRIES:

In operation = 362
Under construction = 666
Planned = 0
Long-term planned = 9,169
Total Other Countries 2025 = 10,197

TOTAL KM WORLD:

In operation = 37,964
Under construction = 14,973
Planned = 3,843
Long-term planned = 31,797
Total of World = 88,577