

Freedom Class

Cruise ship design of new levels



Preferred for innovation



Royal Promenade

The theme and the atmosphere on the Royal Promenade are designed to reflect a new warm and colorful look. The area features Ben&Jerry's ice cream parlor, Cafe Promenade, Clean Shave barber's shop and Get Out There shop for sports and outdoor clothing and equipment. Also a surprise effect of the "Sky Bridge" – a performance stage which can be lowered down from the atrium ceiling – is incorporated as a focal point of the area.

Sorrento's pizzeria – a genuinely Italian style pizza place – is a totally new dining option in the forward part of the Promenade.



It's all about freedom of choice



At 154,000 gross tons, Royal Caribbean International's Freedom Class vessels are the world's largest and greatest cruise ships.

They are the most head-turning, most innovative and most forward-looking ships in the history. We proudly present Freedom of the Seas, Liberty of the Seas and Independence of the Seas.

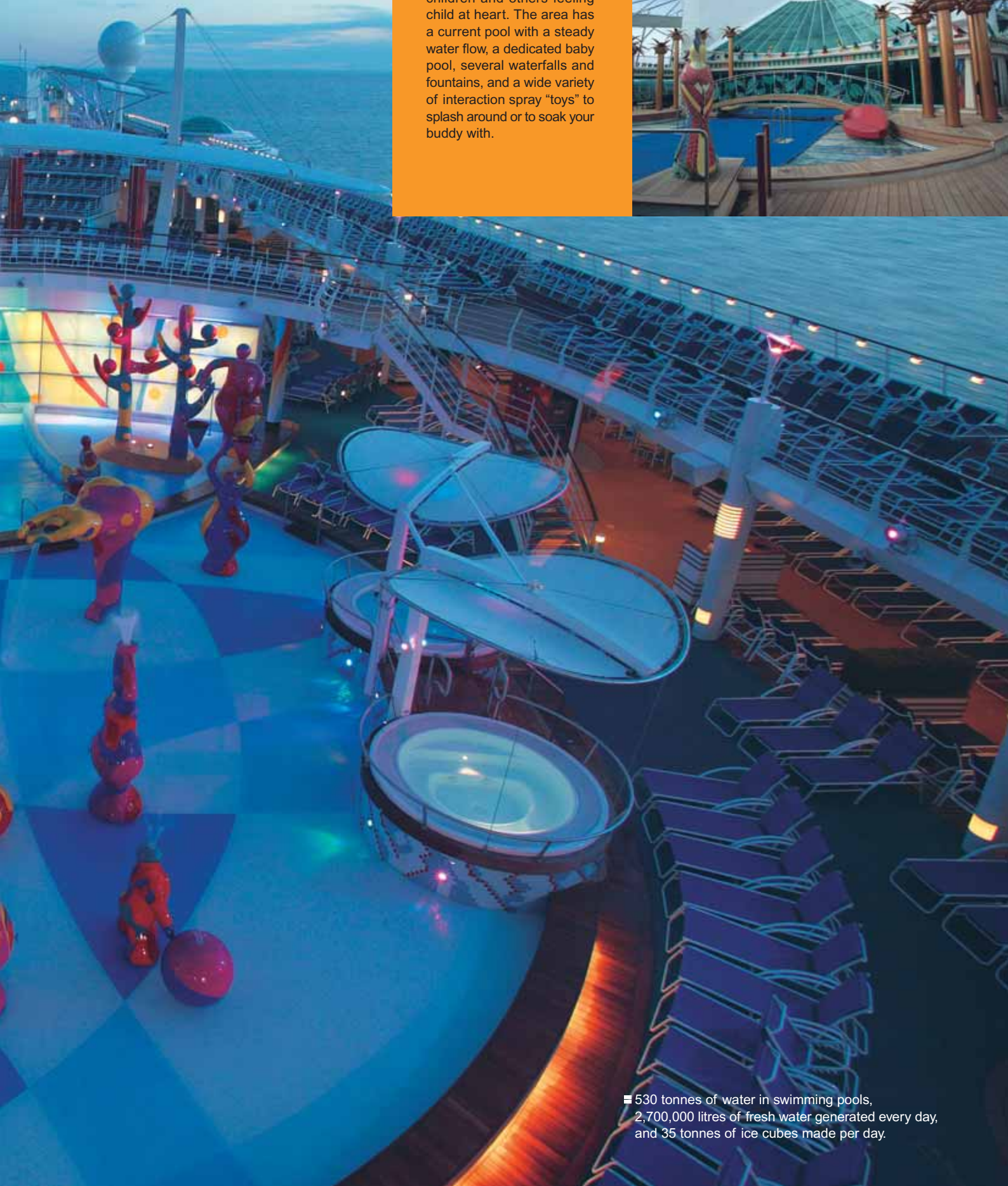




- There is 3,500 km of electric cable, 160 km of pipes and 5,800 m² of windows.
- 340,000 square metres of steel plate has been used for the hull, as well as 520 km steel profiles, 1,630 km of weld seams and 420,000 litres of paint.

H₂O Zone

H₂O Zone on deck 11 is a complete water park for all children and others feeling child at heart. The area has a current pool with a steady water flow, a dedicated baby pool, several waterfalls and fountains, and a wide variety of interaction spray "toys" to splash around or to soak your buddy with.



■ 530 tonnes of water in swimming pools,
2,700,000 litres of fresh water generated every day,
and 35 tonnes of ice cubes made per day.

Flowrider

Flowrider on deck 12 aft gives an opportunity for 1–2 riders at a time to perform surf tricks on a wakeboard style board. The artificial surf wave is generated by pushing water uphill by two 60 kW pumps. The surf area is encircled by viewers' stands for some 150 spectators.



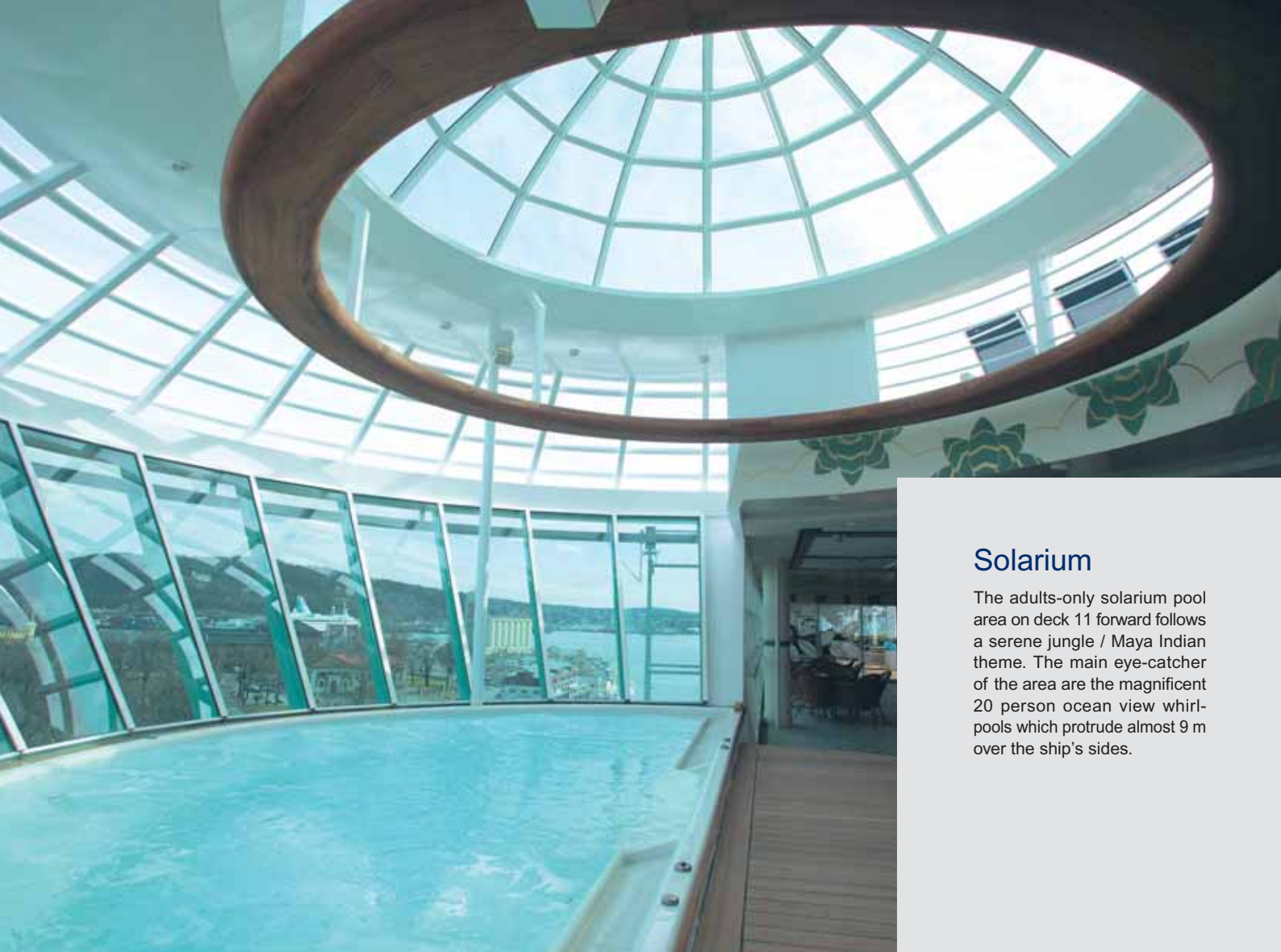
The Health Center

Both the spa area, Freedom Day Spa, as well as the fitness center, Shipshape Fitness, on decks 11–12 have been given a whole new design with new options on both areas. The fitness center provides some 270 m² of additional space as compared to the Voyager vessels, as well as magnificent ocean views through the new large panorama windows. As the newest novelty, the area introduces also a boxing ring.



On-Air Club

On deck 3 a versatile new lounge, On-Air Club, is located next to Studio B. It takes advantage of Studio B's broadcast capabilities and offers a wide range of programming options from Karaoke Idol contests or improvised comedy classes to seminars and demonstrations supported by TV monitors. One speciality of the place are the private karaoke booths where anyone can make a recording of one's own performance in the privacy of one's own little recording studio.



Solarium

The adults-only solarium pool area on deck 11 forward follows a serene jungle / Maya Indian theme. The main eye-catcher of the area are the magnificent 20 person ocean view whirlpools which protrude almost 9 m over the ship's sides.



Windjammer

The roomy Windjammer buffet area on deck 11 with wide glass walls gives a very spacious feel and provides good window seating possibilities. Chops Grille and Portofino speciality restaurants are fully separated from the buffet area.

Staterooms

The balconies on all balcony cabins are 2.3 m wide, giving plenty of private outdoor space for the guests. A new presidential family suite has been introduced, having an area on 113 m² and being able to accommodate up to 8 people. The range of staterooms is broad, featuring, for instance, new large family cabins with a view to the Royal Promenade.



Technical improvements

Fresh water pools

All of the swimming pools and whirlpools, including the Flowrider, will be running on fresh water, in contrast to the traditional seawater operation. This, of course, brings new challenges for the water production and management systems, but provides, at the same time, additional comfort for the guests.

Advanced Water Purification

The state-of-the-art AWP plant purifies all of the ship's grey and black waters into a degree of being virtually pure drinking water. The separated sludge will be subsequently dried and incinerated with other combustible waste. All other waste material generated on board will be landed in ports and nothing – except for that fully purified drain water – will be released into the sea.

Technical Particulars

Shipbuilder	Aker Yards, Finland
Freedom Class vessels	Freedom of the Seas (2006) Liberty of the Seas (2007) Independence of the Seas (2008)
Owner	Royal Caribbean Cruises Ltd
Country	USA
Flag	Bahamas
Length oa	338.8 m
Length bp	303.2 m
Breadth moulded	38.6 m
Breadth max	55.9 m
Dept moulded	to main deck 21.3 m (D4) to upper deck 47.25 m (D12)
Draught	scantling 8.8 m design 8.5 m
Speed, service	21.6 kn
Tonnage GT	154,000
Deadweight	design 10,600 t (1.025 t/m ³)
Number of decks	18
Height, max from BL	72.3 m

Classification society and notations:

Det Norske Veritas
1A1, Passenger Ship, RP, E0, LCS-DC, TMON, F-M, BIS

Complement	1,365
Passengers	4,375 max.
Number of cabins	Total 2,580 1,817 pass. cabins (69% / 1,256 window cabins) 3,648 lower beds in passenger cabins 763 crew cabins

Improved fuel efficiency

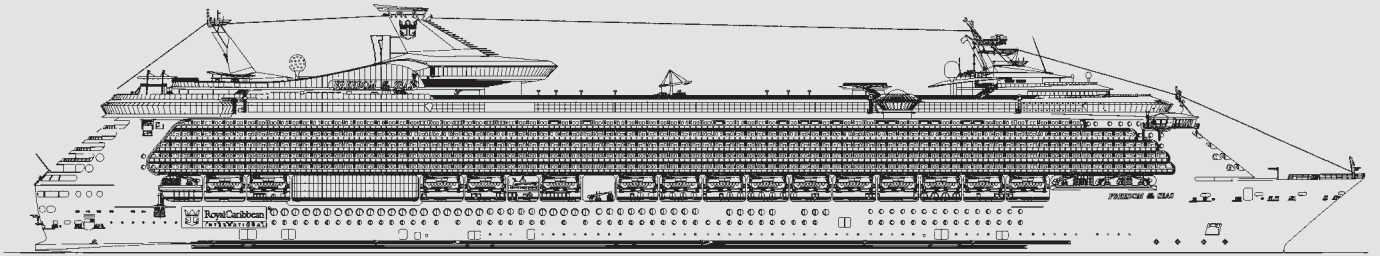
A series of different hydrodynamic improvements, including a new ducktail design, were carefully studied and taken into use in order to ensure the best possible fuel economy and subsequent environmentally friendly operation.



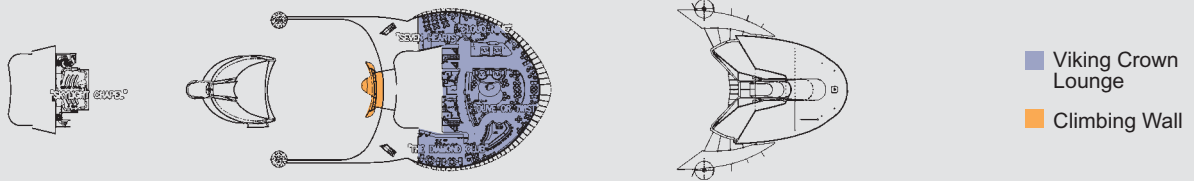
Diesel-electric propulsion

Main engines	6 x 12,600 kW, 514 rpm
Propellers	2 x Azimuthing electric pod drives, 1 x Fixed electric pod drives, 3 x 14,000 kW
Bow thrusters	4 x 3,400 kW
Elevators	28 pcs (14 for passengers)

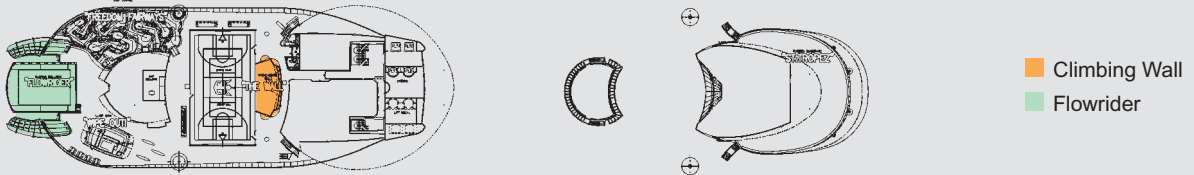
Freedom Class general arrangement



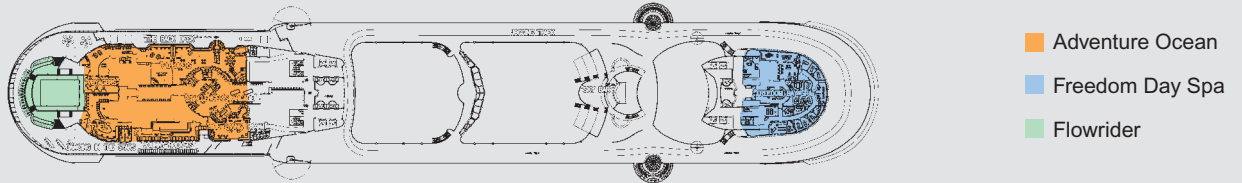
Deck 14 and Deck 15



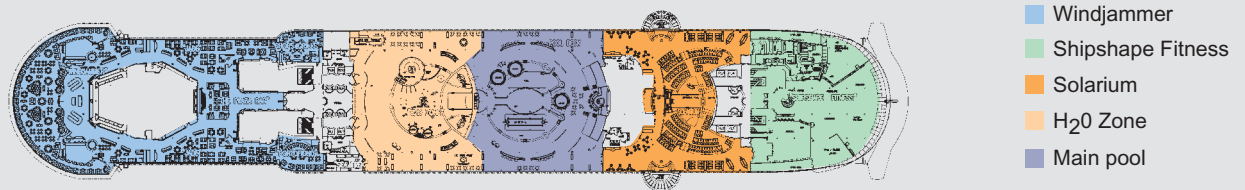
Deck 13



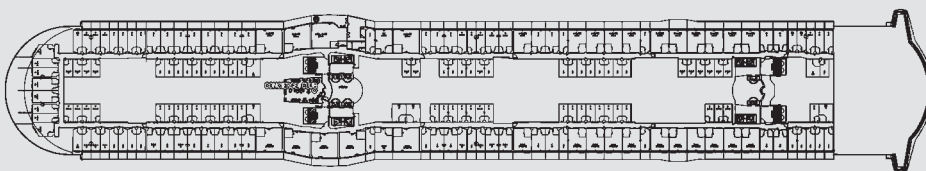
Deck 12



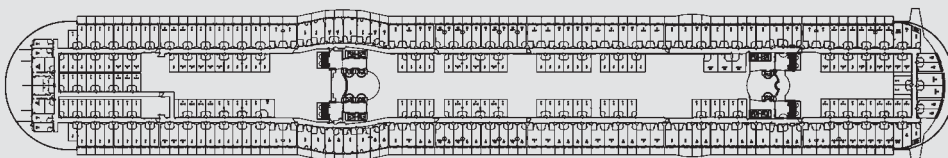
Deck 11



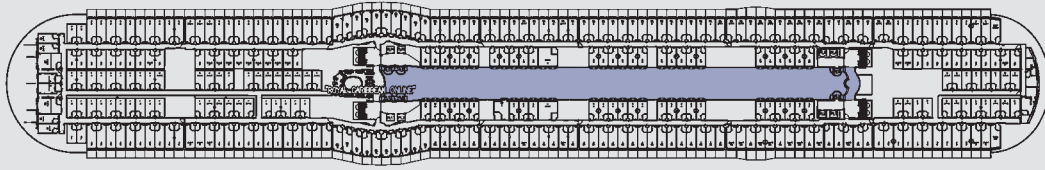
Deck 10



Deck 9

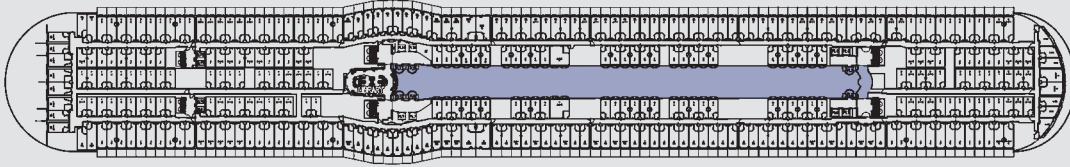


Deck 8



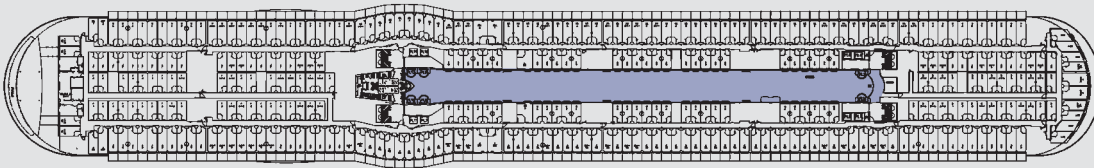
Royal promenade

Deck 7



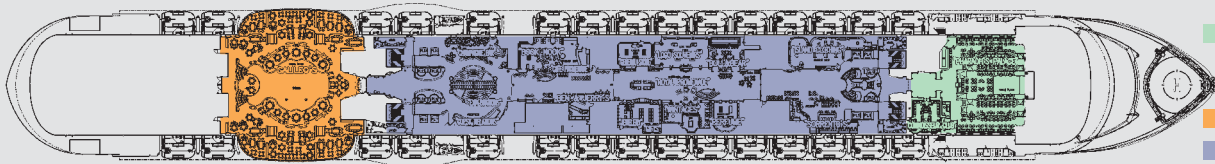
Royal promenade

Deck 6



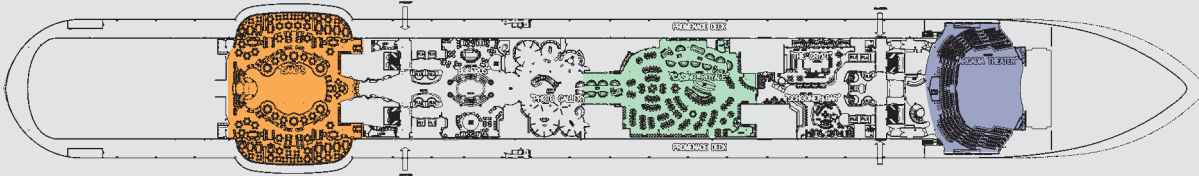
Royal promenade

Deck 5



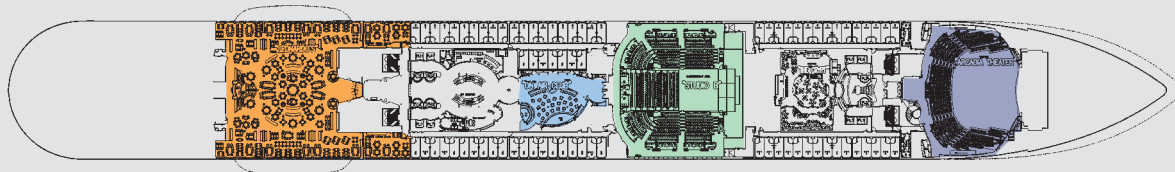
Lounge
Main Dining room
Royal promenade

Deck 4



Theater
Main Dining room
Casino

Deck 3



Main Dining room
On Air Club
Studio B
Theater

Deck 2



Studio B
Theater

Deck 1



Aker Yards ASA (www.akeryards.com) is an international shipbuilding group focusing on sophisticated vessels. The group has a strong position both in terms of innovation, product range, technology, experience and capacity. The product range includes cruise vessels & ferries, merchant vessels and offshore & specialized vessels. Aker Yards comprises 18 yards in Brazil, Finland, France, Germany, Norway, Romania, Ukraine and Vietnam. Aker Yards has approximately 21,000 employees.

Aker Yards' three yards in Finland are located in Turku, Helsinki and Rauma. A large share of the world's cruise ships have come from the company's shipyards, the major customers within this vessel segment being the globally leading cruise operators. Aker Yards is also the leading ferry builder in the world, as well as an expert in multipurpose icebreakers and sophisticated naval craft.



Aker Yards, Cruise & Ferries

P.O. Box 666

FI-20101 Turku, Finland

Tel. +358 (0)10 6700, Fax +358 (0)10 670 6700

finland@akeryards.com

www.akeryards.com