

The
world is
yours



Motoryacht 73m Grace E

PICCHIOTTI
SINCE 1600

Picchiotti is a Perini Navi Company

Explore. Dream. Discover.

Mark Twain



The world is yours

Grace E is not only the largest and most ambitious motoryacht launched to date by the Perini Navi Group, she is also the most complex and advanced. Since her delivery in 2014, she has covered over 30,000 nautical miles, criss-crossing the Atlantic, the Mediterranean and the North Sea. Along the way she has stopped off in New York, Stockholm, Copenhagen, Oslo, Edinburgh, London, Turkey and Greece. Simply put, Grace E adds a whole new dimension to ocean-going adventure and discovery.





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Conceived for long-range cruising, Grace E is able to roam the world's oceans in complete comfort and safety for weeks at a time. Following in the footsteps of her smaller Picchiotti-Vitruvius siblings—50m Exuma and 55m Galileo G, who both embarked on incident-free, multi-year circumnavigation voyages of their own—she pushes custom design, construction quality and efficient performance to new heights.





The key to Grace E's globetrotting vocation lies in her innovative diesel-electric and Azipod propulsion. With up to six high-speed generators providing over 4,400kW of power for both hotel services and propulsion, she has a top speed of 17.5 knots and a range in excess of 7,800 nautical miles at 12 knots—more than enough to cross the Atlantic twice without refuelling.





A cutting-edge power management system ensures that the generators always operate at maximum efficiency, producing exactly the right amount of power for navigation and hotel requirements at any one time. This means lower fuel consumption, less maintenance and fewer emissions.







At your pleasure

Inside or out, day or night, Grace E offers multiple options for dining and relaxation on all deck levels. From a conversation in a cosy corner to a get together with family and friends, the pleasure is in the choosing.



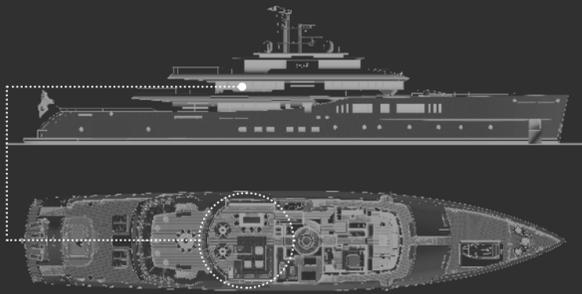


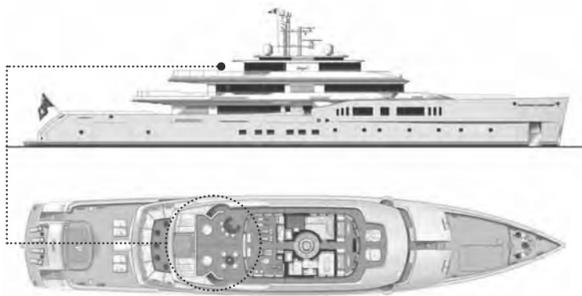
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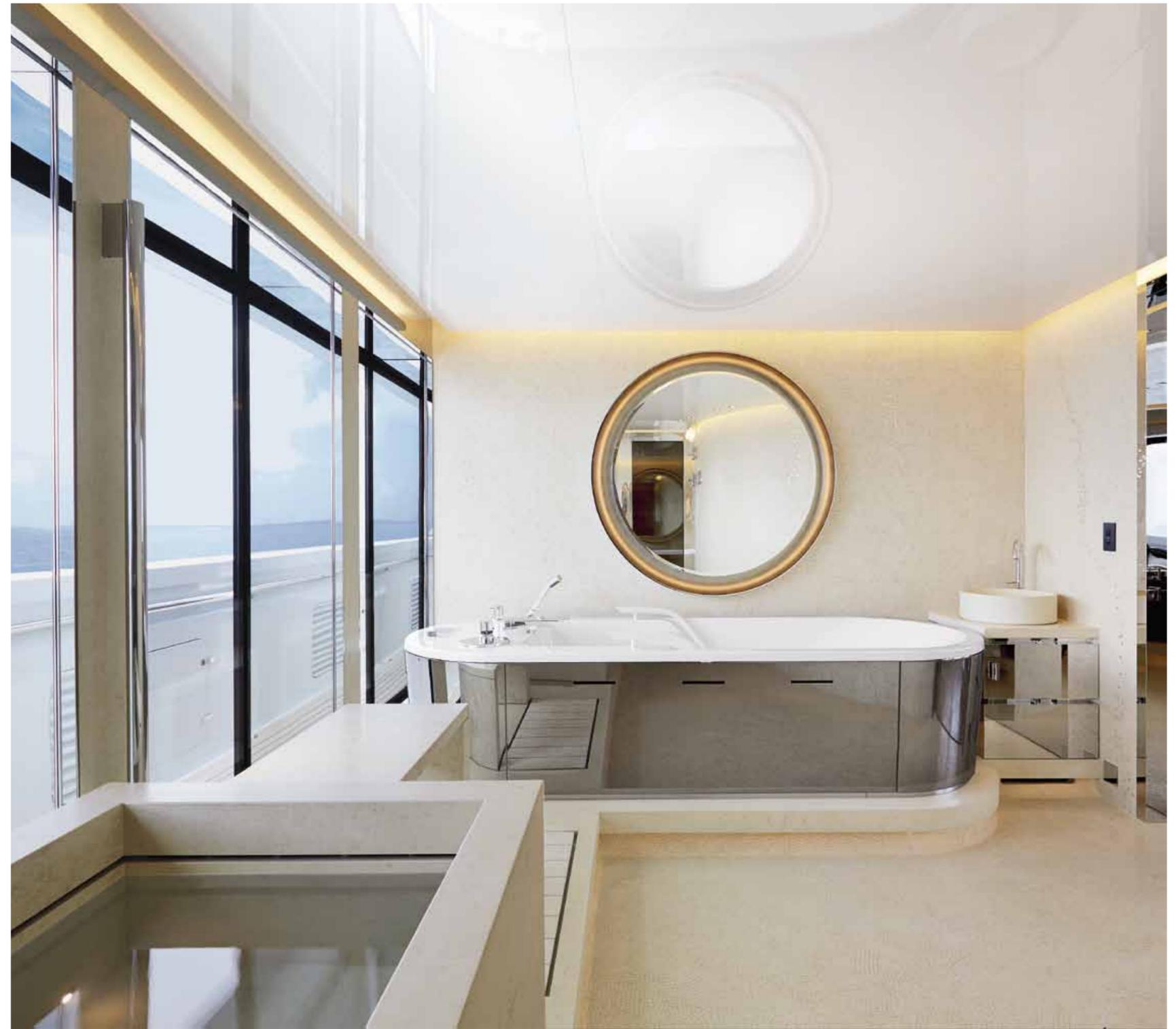
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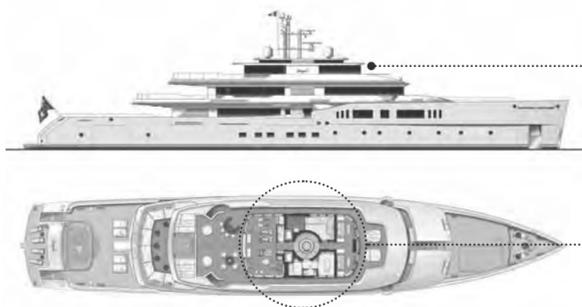












A starting point for the general arrangement was the 4-person Jacuzzi, gymnasium, hydrotherapy room, sauna, steam room, massage parlour and observation lounge on the wellness deck. Instead of a beach club sharing space with the array of water toys and tenders in the aft garage, which can only be used when the yacht is stationary, this lofty location takes full advantage of the large windows and panoramic views.

The sea, once it casts its spell, holds one
in its net of wonder forever.

Jacques Yves Cousteau





The nature of elegance

At 73m overall with a 13m beam, Grace E offers up to 20 per cent more interior volume than other yachts of equivalent length. This provided renowned designer Rémi Tessier with considerable scope to work his magic. Inspired by his interior aboard the Perini Navi sailing yacht Riela (now Asahi), the owners called for a contemporary yet warm and casually chic interior.





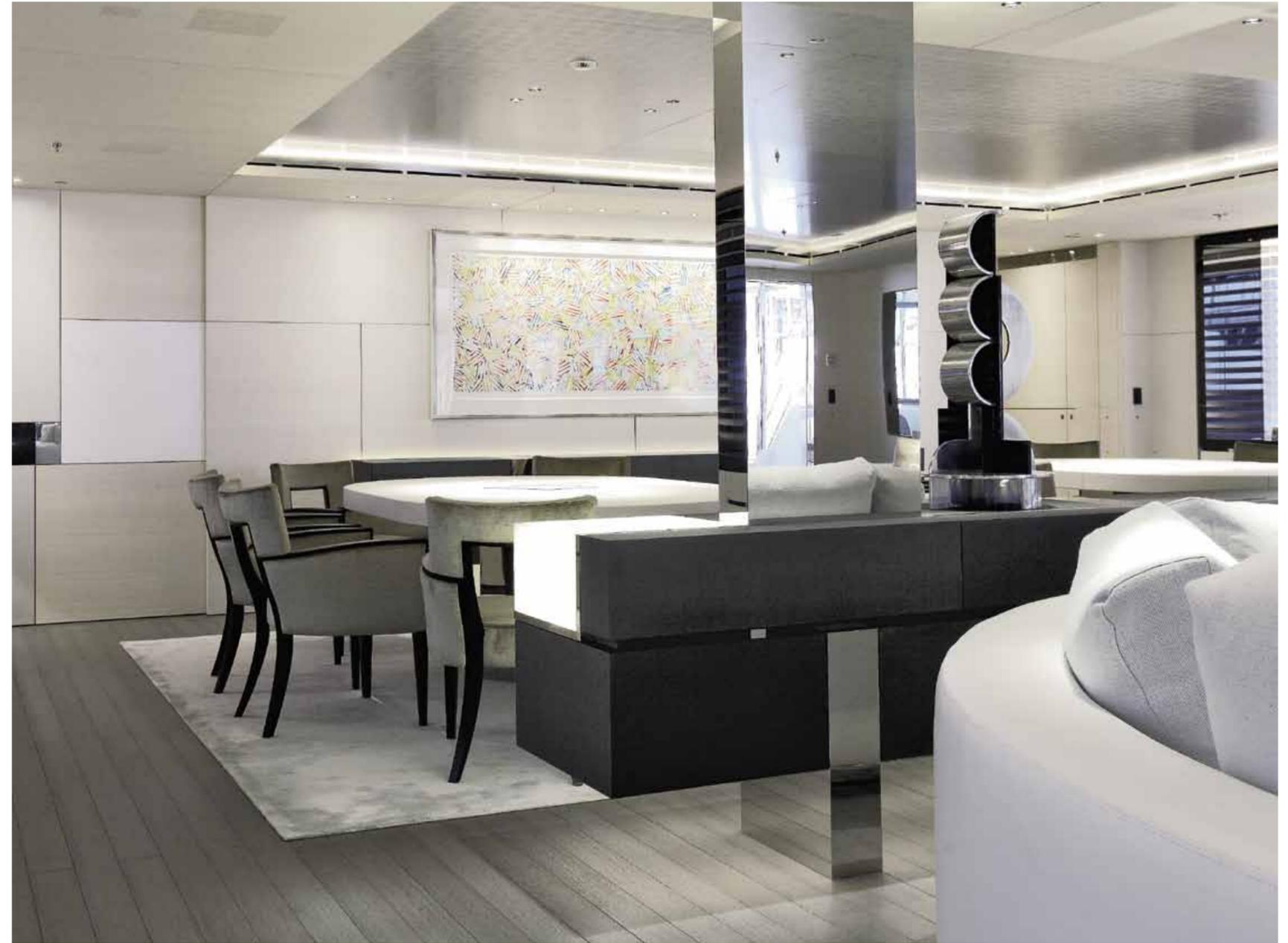
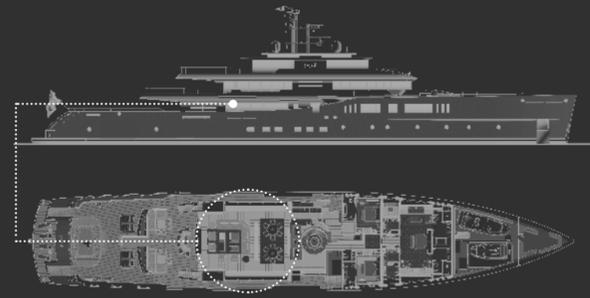
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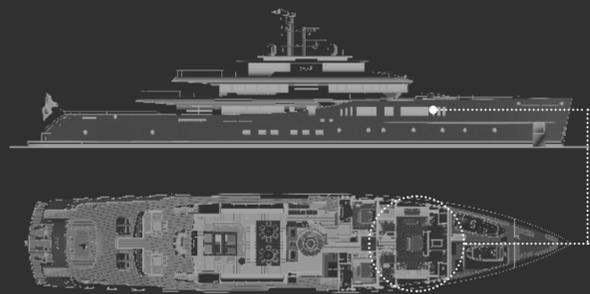
Tessier came up with a sensual palette of natural materials that includes wenge, Macassar ebony, brushed sycamore, limestone and parchment, which are contrasted with polished stainless steel accents and a metallic palladium finish.



Bleached as if by the sun and seawater, the sycamore panelling is contoured and rippled like wave-blown dunes. High-gloss Macassar ebony and a graphite resin finish complement the weathered tones and textures.



The master stateroom on the main deck is a 90-sqm oasis of space where artworks and sculptures punctuate the calming decor and add to the sense of serenity.



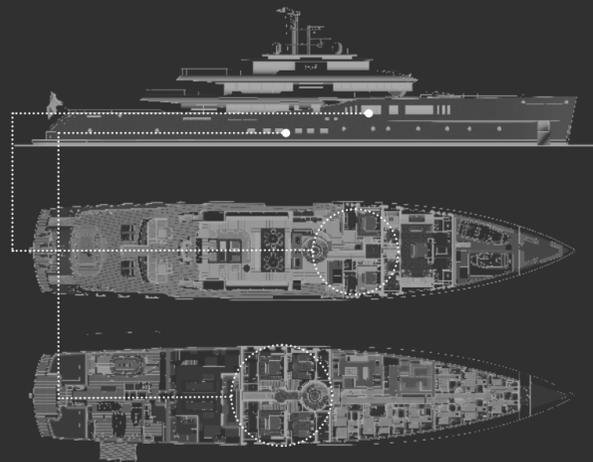


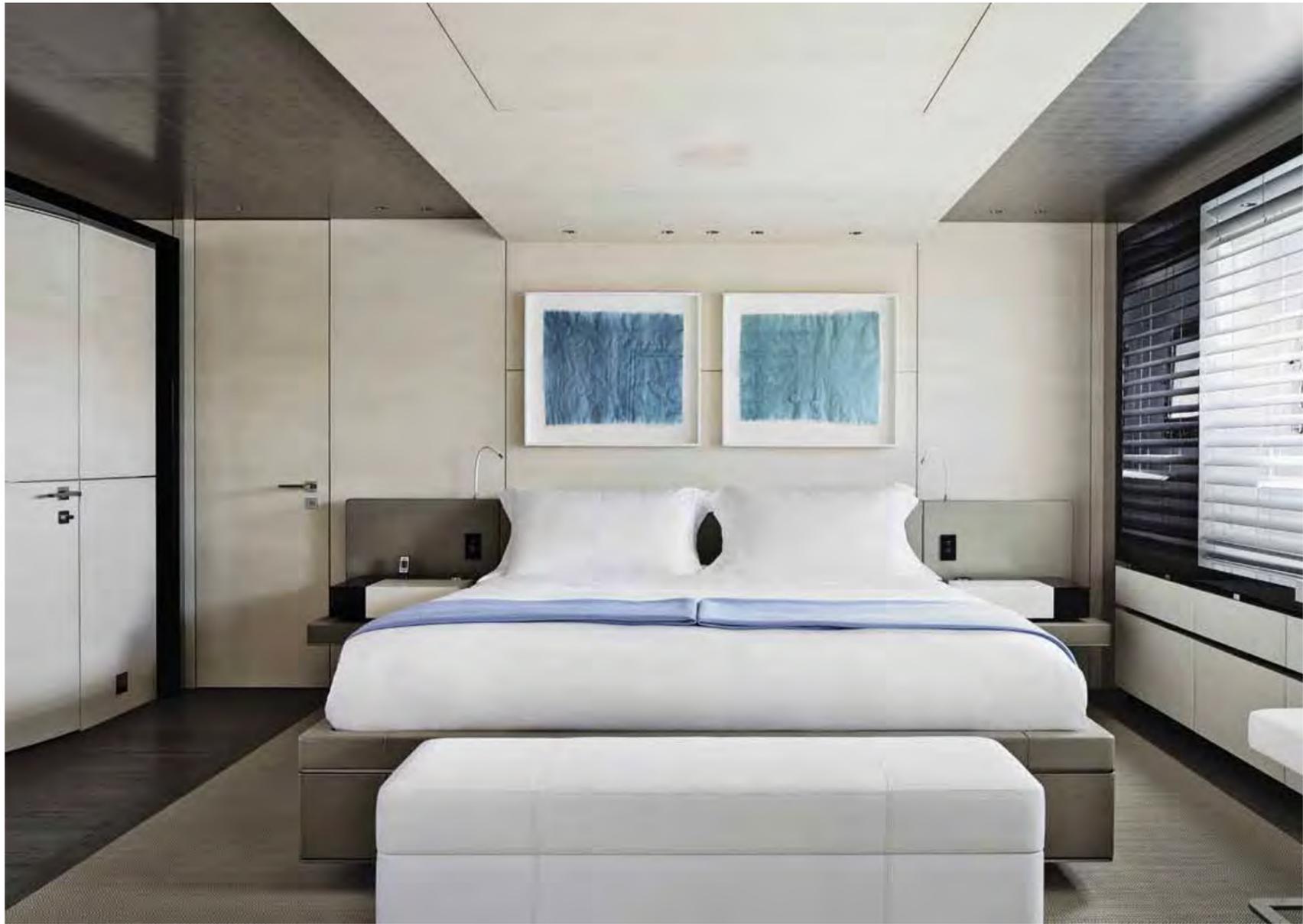


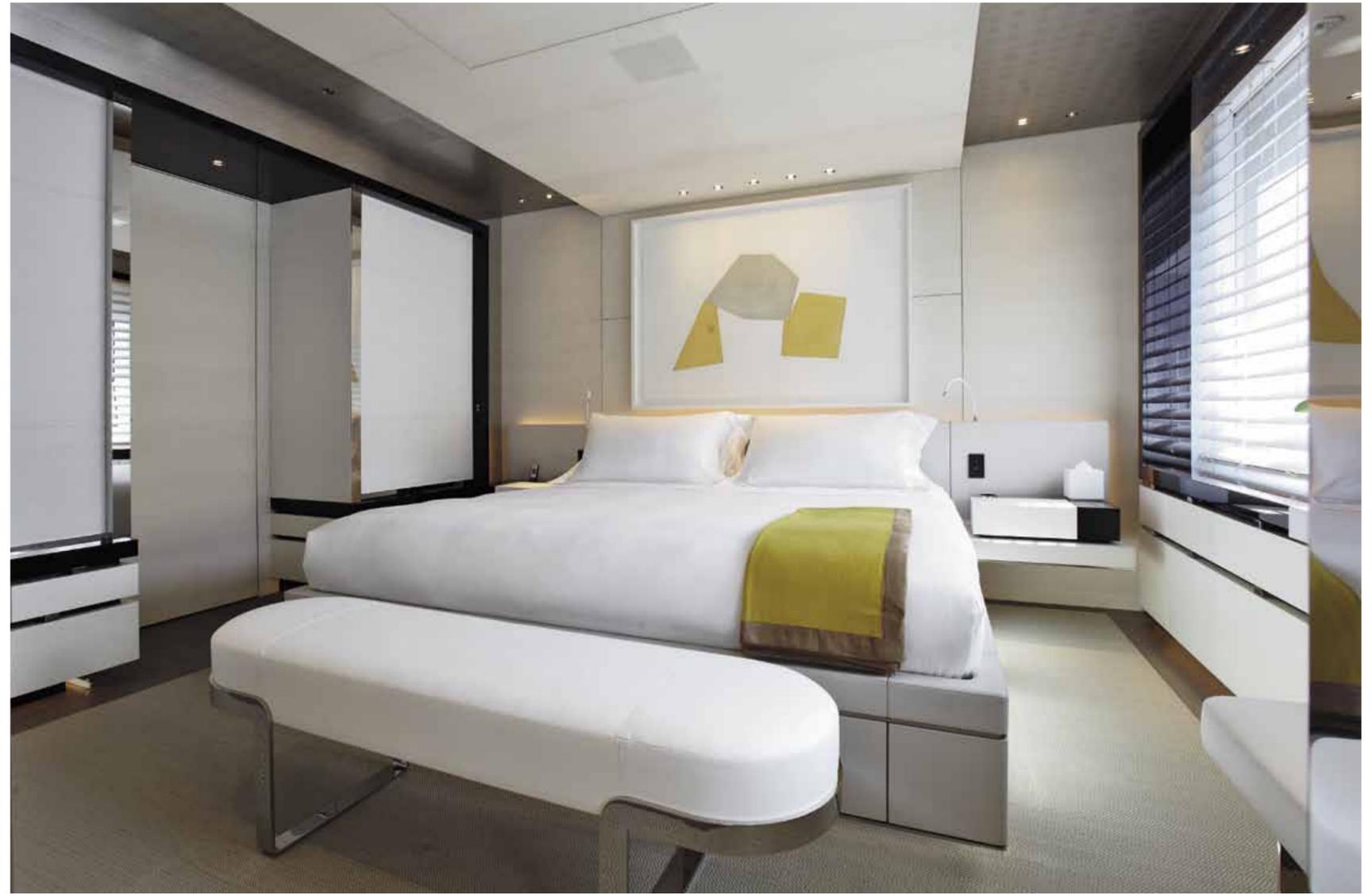
The clean contours and natural fabrics of pale aqua and dove grey are contrasted with exquisite detailing, such as the tiny “windows” of rock crystal embedded in the stairwell. The highly sophisticated interior design features plenty of glass and backlit white onyx to create a light and airy ambience.



Careful attention to the use of space, both inside and out, has resulted in a layout that is extremely functional yet supremely elegant. In addition to the master suite, there are six staterooms: two VIP guest cabins on the main deck, two king size staterooms and two twin berth (with Pullman) cabins on the lower deck, which can convert to VIP suites through connecting doors.











The sound of silence

It is good to have an end to journey
toward; but it is the journey that
matters in the end.

Ernest Hemingway

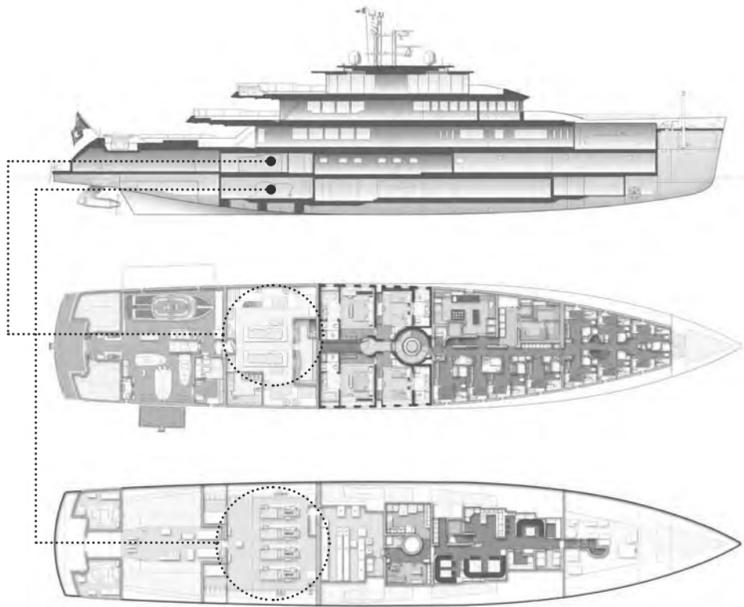




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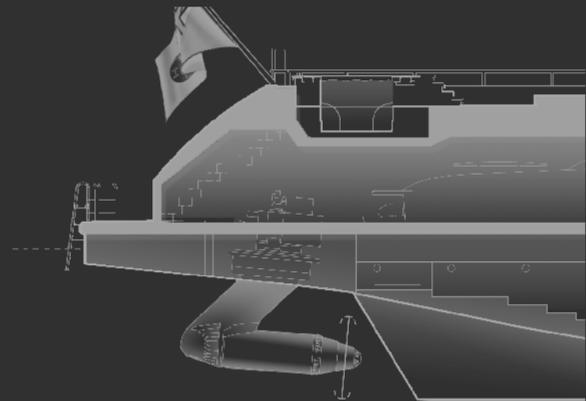


The advantages of diesel-electric propulsion for a yacht of Grace E's size and volume are numerous. In addition to enhanced efficiency and operational versatility, the absence of drive shafts and struts that transmit vibrations means she is much quieter than conventional yachts in her class. Indeed, noise levels in the master stateroom and main salon at 17 knots are just 46dB and 47dB respectively—equivalent to the hushed sound of a refrigerator or moderate rainfall.



Other major bonuses are redundancy and reliability. In fact, Grace E's owners opted for diesel-electric from the start after experiencing a cancelled cruise due to a generator malfunction. Multiple generators mean that a single failure will never ruin their enjoyment of their yacht.

The efficient propulsion system is backed up by an equally efficient hull design. Grace E's naval architecture and exterior styling are by Philippe Briand, the visionary racing sailboat designer responsible for the Vitruvius concept. His slippery hull form and plumb bow combine a maximum waterline length with very low resistance. The result is a beautifully refined and seaworthy yacht that is as at home exploring the Norwegian fjords as she is entertaining guests in Monte Carlo.





The propulsion system and azimuthing pods also provide Dynamic Positioning capability. This means the yacht can stay “on station” without having to deploy bottom-dragging anchors in protected marine environments, or when the seabed is too deep.

A winning formula

Grace E represented a significant and challenging project for the in-house team, independent designers and specialist consultants alike. The design reference was to create a luxuriously comfortable, go-anywhere passagemaker that is in perfect harmony with its environment both in form and function. It is readily apparent from a host of industry accolades that the yacht has met—and surpassed—this test at every level.

2014 Baccarat Trophy

Monaco Yacht Show

2015 ShowBoats Design Awards

The Environmental Protection Award

2015 ShowBoats Design Awards

The Exterior Design & Styling Award in the Motor Yacht over 500GT range

2015 ShowBoats Design Awards

The Interior Design Award in the Motor Yacht over 500GT range

2015 ShowBoats Design Awards

The Naval Architecture Award in the Displacement Motor Yacht range

2015 World Superyacht Awards

Motor Yacht of the Year

2015 World Superyacht Awards

Displacement Motor Yacht of 1,300GT to 2,999GT of Below 75m

2015 The International Superyacht Society

Best Power 65m & Larger

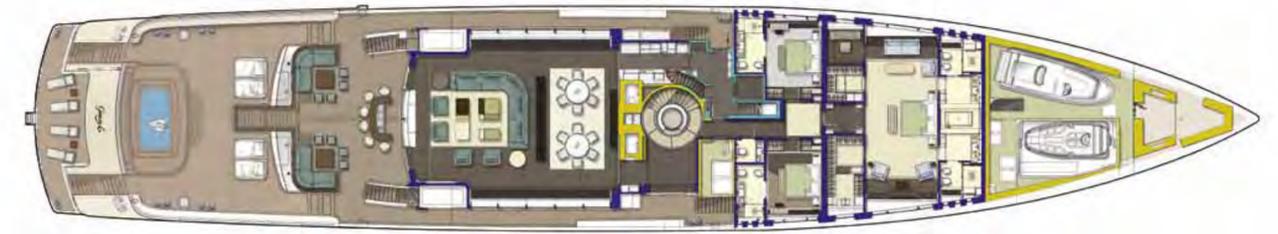
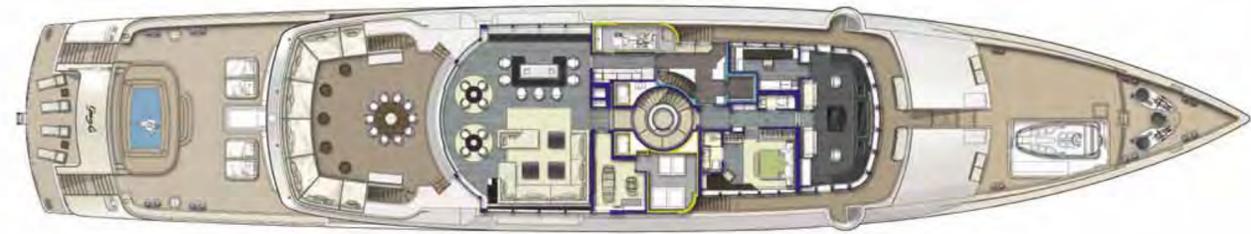
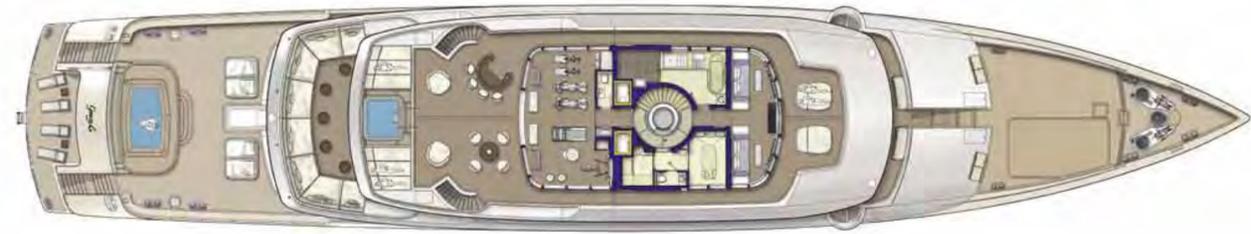
General Arrangement & Specifications



Grace E

| | |
|---|---|
| Length overall | 73.00 m - 240 ft |
| LWL | 71.85 m - 236 ft |
| Beam (max) | 13.30 m - 44 ft |
| Draught (loaded) | 4.00 m - 13 ft |
| Construction | Steel + Aluminium |
| Displacement | 1,740 t |
| Gross Tonnage | 1,876 GRT |
| Diesel Electric Propulsion | 2 x 1,6 MW ABB Azipod CO0980S |
| Maker | ABB |
| Electricity generation | 4 x Caterpillar C32 874 kW 2 x Caterpillar C18 492 kW |
| Emergency generator | 1 x Caterpillar c 6.6 136 kW |
| Power Management System | Custom Integrated System - Provided with integrated propulsion & hotel Service Economy Mode |
| Speed (maximum/cruise) | max 17.5 kn / cruising 14 kn |
| Fuel capacity | 184,000 litres |
| Range | 7,800 nautical miles @ 12 kn |
| Fuel burnt@12kn | 285 litres/hour |
| Exhaust systems | C32 : Sounddown waterdrop silencers + DCL catalytic converters Quick-Lid DC63 - C18: HUG FNS 9,4000 catalytic particulate DeNox exhaust filter/cleaner system |
| Stabilisers | Quantum QC2200 HD XT |
| Windlass | Steen 23-9-14 |
| Bow thruster | Voith VIT 1000 - 250 kW |
| Passerelle & boarding ladder | Nautical Structures |
| Cranes | Nautical Structures |
| Exterior paint | Boero and Dupont |
| Water capacity | 66,000 litres |
| Watermakers | 2 x HEM 80 SIMPLEX - 40,000 litres/day |
| Sewage system | Hammann |
| Shorepower converter | ATLAS 2 x 125 kVA |
| Control and monitoring systems | Seastema custom integrated system |
| Fire control system | Autronica |
| Pipe and valve materials | Stainless Steel, CuNi, PVC, Valves by Econosto |
| Air conditioning manufacturer | NR Koeling – AHU reheat system |
| Climatic cruising capability | -10°C / + 35 °C air external temperature |
| Satellite communications | SAILOR - FLEET BROADBAND 500 |
| Electronic charting system | SPERRY MARINE – Total Watch Vision Master with Paperless type approved system |

| | |
|---|--|
| Radar(s) | SPERRY MARINE – Total Watch Vision Master S-Band SPERRY MARINE – Total Watch Vision Master X-Band |
| GPS | SAAB - R4 DGPS |
| AIS | SAAB R4 COMBINED AIS/DGPS |
| Autopilot | SPERRY MARINE - NAVIPILOT 4000 |
| Gyrocompass | 2 x SPERRY MARINE - NAVIGAT X MK 1, |
| Echosounder | ELAC-NAUTIK - SPM-ES5100 JRC -130 BlackBox |
| Dynamic positioning | Kongsberg Dynamic Positioning system K-Pos-DP11 + Joystick |
| Galley equipment | Roland |
| Refrigeration | NR Koeling |
| Entertainment systems | MESL, integrated Crestron Controls , Kaleidescape video on demand, bridge information distribution system, Oculus infotainment system |
| Number of owner/guest cabins | 7: 5 double, 2 twin |
| Number of crew cabins | 11: 2 double, 9 bunk-bedded |
| Tank testing | Yes - MARIN |
| Presence of special environmental technology | Usion food waste collection system Trash Compactor TONY TEAM TT160 Glass Imploder Krysteline GP1 Bottle Shredder Hasswell SB10 Generators Catalytic systems as above |
| Noise and vibration levels achieved | Owner's Cabin 42.6 dB @ 14 kn / 35.6 dB @ anchor Main Saloon 45.5 dB @ 14 kn / 43.7 dB @ anchor AFT Cockpit 50.2 dB e 14 kW |
| Tenders | Cockwell 9.5 m YachtWerft Meyer 7 m Yachtwerft Meyer 5 m (rescue) |
| Interior Furniture manufacturers | List and Metrica |
| Class and LY2 compliance | Malta Cross 100 A1, SSC, Yacht, Mono, G6, EP Malta Cross LMC UMS DP (AM) |
| Naval architect | Philippe Briand / Vitruvius Ltd. |
| Exterior stylist | Philippe Briand / Vitruvius Ltd. |
| Interior designer | Rémi Tessier |
| Builder | Picchiotti - Perini Navi Group |
| Owner's Project Manager | CPT Eddie Cooney / Pete Towning / Jeff Moore |





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