



DESIGN, ARCHITECTURE AND MARINE ENGINEERING



Joël BRETECHER, who trained with top Italian designers like Pininfarina and Ghia, pursues his work for shipbuilders and shipowners in the cruising and yachting world by promoting new innovative concepts combining cruisers and luxury yachts.



With an academic background delivered by the best European Universities - Ecole Polytechnique & Delft University of Technology – Thibaut TINCELIN developed a significant professional expertise in naval architecture within the project departments of IHC and STX Europe. After a two-year collaboration period with the cruise ship owners in Miami, he becomes the principal of Stirling Design International in 2007.



As early as 1991, Stirling Design International reputation was established when Joël BRETECHER designed the finest sailing cruisers of its time: the 288ft Ponant stroke a perfect balance between performance, elegance and innovation.



Stirling Design International, the French firm of naval designers and architects, has specialised in megayachts and bluewater cruisers. SDI offers Custom design services : conceptual design and innovative product development, naval architecture, exterior and interior design, marine engineering and construction supervision.



142m

L'AUSTRAL & LE BOREAL

EXTERIOR DESIGN BY SDI



L'Austral and Le Boréal are the result of an in-deep design work on the luxury end of the cruise ship market.

These 140-meter cruising yachts are setting apart from ships of that size by two large glass arches connecting interior and exterior public spaces.

These two ships to be delivered in 2010 will contribute to set new standards in the design of luxury cruise ships.

142 m

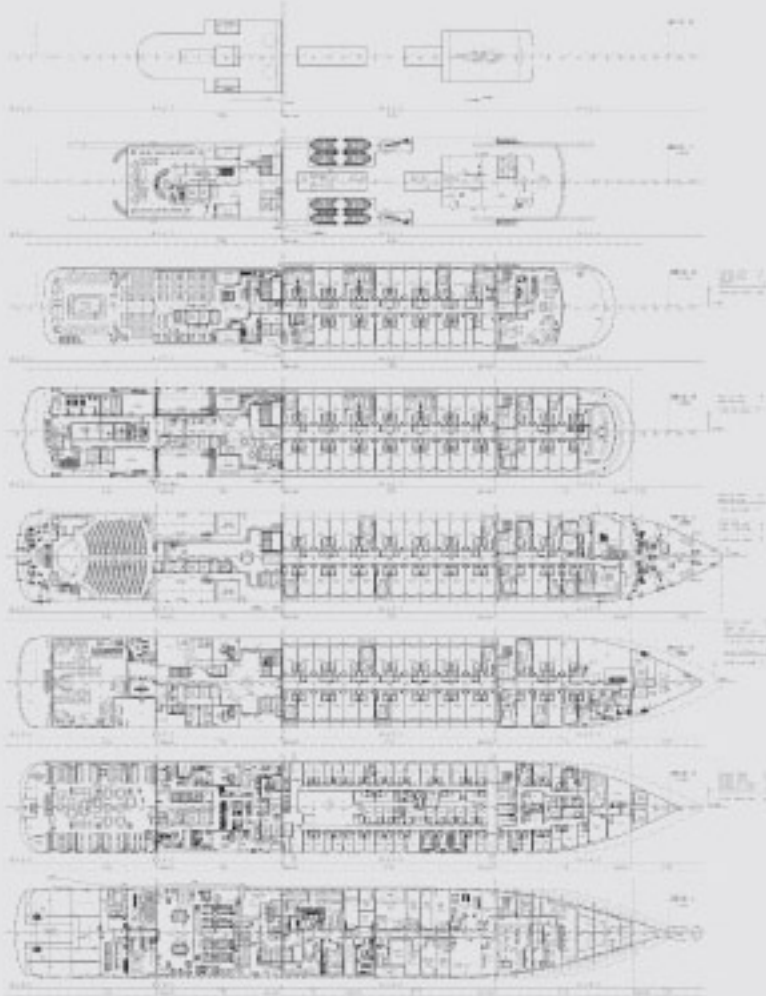
L'AUSTRAL & LE BOREAL



COMPAGNIE DU PONANT

Yard: *FINCANTIERI*

Length over all:	142.10 m
Length at perpendiculars:	126.20 m
Breadth:	18.00 m
Draught:	4.70 m
Gross Tonnes:	10700 t
Passenger cabins:	132
Passenger capacity:	264
Crew capacity:	139
Speed:	16 Knots



SDI
STIRLING DESIGN
INTERNATIONAL

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305m EOSEAS

EXTERIOR DESIGN BY SDI

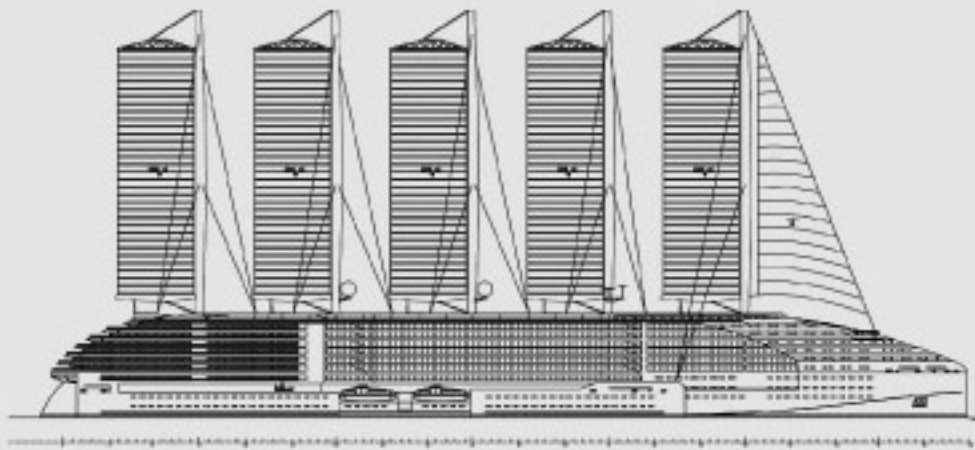


Naval architecture, exterior design, propulsion and air conditioning systems have been designed with cutting edge green technologies to reduce environmental impacts of this innovative cruise ship by 50 % compared to existing designs.

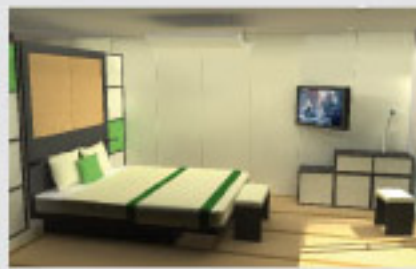
Among other, EOSEAS is equipped with a 20 000 m² semi-rigid sail plan to be tested at Auckland University, an air lubricated central hull optimized in towing tank, double skin superstructure for improved insulation, LNG tanks similar to the one installed on LNG carriers and propellers fitted with preswirl nozzle to reach highest efficiency available today.

stxEurope IN COLLABORATION WITH **SDI**
DESIGN

305m EOSEAS



Lenght over all:	305 m	Passenger cabins:	1434
Breadth:	60 m	Passenger capacity:	3326
Draught:	8.00 m	Crew cabins:	560
Gross tonnages:	105,300ums	Sail Area:	12,440 m ²



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FERRIES – RESEARCH VESSELS



Stirling Design International benefits from a long-term experience in commercial and passenger vessel design. Along with yacht design projects, exterior and interior design of commercial vessel is a major part of SDI activities.

“Design to cost” is a major challenge when defining the lines and architecture of commercial vessels. SDI proved in the past that a significant improvement in exterior design can be reached when integrating aesthetic, operational and technical aspects at the very beginning of a project.

FERRIES – RESEARCH VESSELS

66
196
96 m

RAINBOW BELL & RAINBOW LOVE

Exterior & interior design by SDI

Yard: Mitsubishi HI

Length oa: 196 m
Beam: 6,70 m
Engine power: 33980 kW
Speed: 24,9 knots
Gross Tonnage: 13 597 tx
Passengers: 350
Cars: 77



HSC - EMERAUDE

Exterior design by SDI

EMERAUDE LINES

Yard: Saint Malo Naval

Length oa: 66 m
Gross Tonnage: 851 tx



MARION DUFRESNE

Exterior & interior design by SDI

IPEV - TAAF

Length oa: 120,50 m
Beam: 20,60 m
Draft: 6,95 m
Displacement: 10 380 t
Crew: 48
Passengers: 110
Max speed: 16 knots
Range: 2 months



MEGAEXPRESS I & II

Exterior & interior design by SDI

CORSICA FERRIES

Yard: CNFO 176 m
Length oa: 24,80 m
Beam: 48 600 kW
Engine power: 29 knots
Speed: 23 700 tx
Gross Tonnage: 1756
Passengers: 550
Cars:



HSC - ASCO

Exterior design by SDI

SNCM

Yard: Leroux & Lotz

Length oa: 102 m
Beam: 15,40 m
Engine power: 24 000 kW
Speed: 37 knots
Gross Tonnage: 2558 tx
Passengers: 530
Cars: 148

THALASSA

Exterior & interior design by SDI

IFREMER

Length oa: 73,65 m
Beam: 14,90 m
Draft: 6,10 m
Gross Tonnage: 2803 ums
Crew: 16-25
Scientists: 50
Cruising speed: 11 knots
Max speed: 14,7 knots



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100m

LE LEVANT

YACHT

PASSENGER
VESSEL

PROJECT

EXTERIOR & INTERIOR DESIGN BY SDI

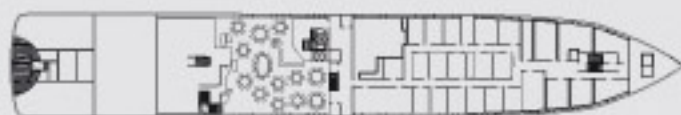
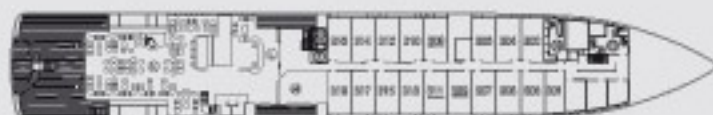
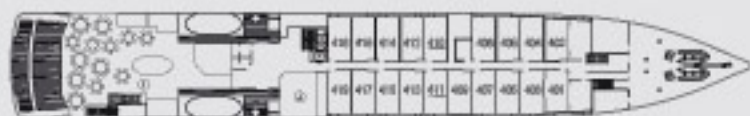


A sleek thoroughbred, 100 meters of pure elegance gives a taste of a private yacht experience. At first sight, the fine lines of Le Levant's silhouette strike with their distinctive elegance.

Le Levant benefited from SDI contribution to be development of high speed craft design in the nineties.

100m

LE LEVANT



COMPAGNIE DU PONANT

Yard: LEROUX & LOTZ

Length over all: 100,26 m
Breadth: 13,10 m
Draught: 3,50 m
Gross Tonnages: 3504 t
Passenger cabins: 45
Passenger capacity: 90
Engines: 2 x Wartsila 9L20
Service speed: 16 Knots



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LE PONANT

EXTERIOR & INTERIOR DESIGN BY SDI

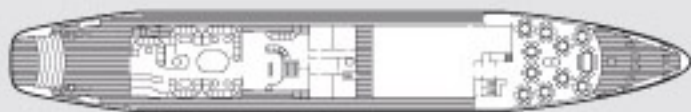
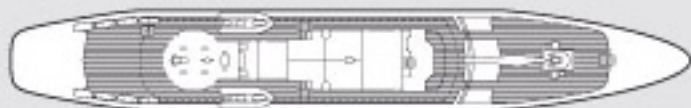
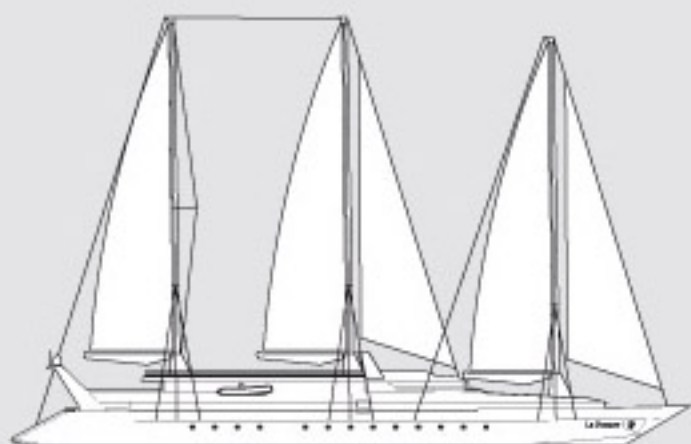


Following in the nautical tradition of three-masted sailing ship, Le Ponant remains an outstanding sailing yacht twenty years after her delivery.

Thanks to a light displacement and large sail area, Le Ponant offers to her passengers unique experience with high performance sailing and stylish cruising.

88m

LE PONANT



COMPAGNIE DU PONANT

Yard: SFCN

Length over all:	88 m
Breadth:	12 m
Draught:	4 m
Sail area:	1500 m ²
Speed under sail:	14/16 Knots
Gross Tonnages:	1489 ums
Engines:	2,200 hp



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25m SEANEST 85

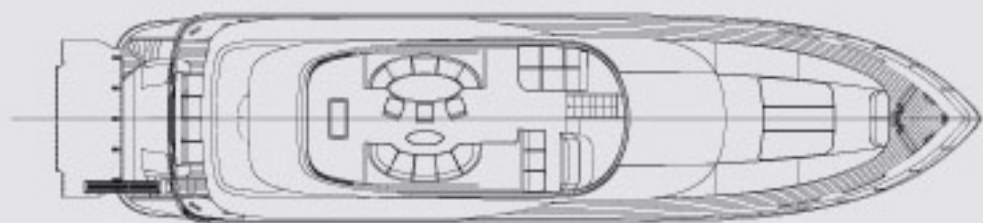
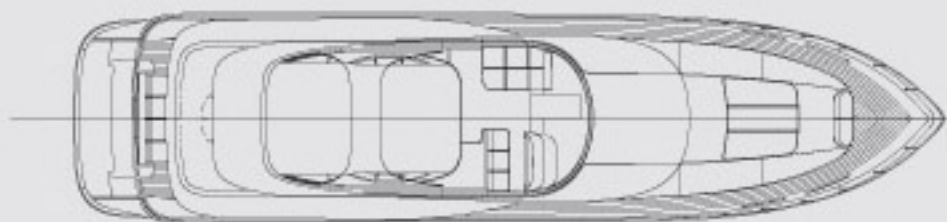
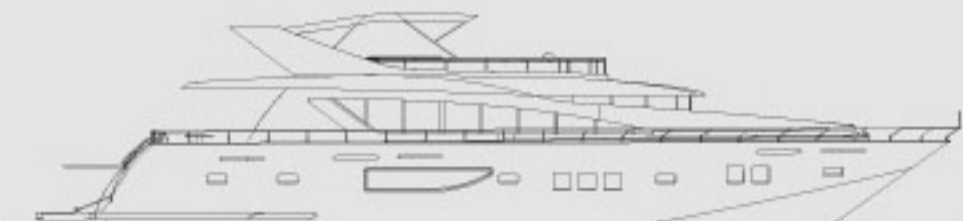
EXTERIOR DESIGN BY SDI



The modern lines of this outstanding Fly-bridge differ from existing yachts on the market by their purity and simplicity.

Benefiting from the best state of the art of Italian yards, Seanest delivered "Soja" in 2007, the first semi-custom yacht of this type ...and her sistership "Mathisse" in 2009.

25.5m SEANEST 85



Length:	25.50 m - 85'	Max speed:	30 knots
Beam:	6.10 m - 20'	Cruising speed:	25 knots
Draft:	0.90 m - 3'	Range:	18 hours
Engines:	2 MTU 12V 2000 M91 (2 x 1500 HP)	Classification:	RINA - MCA
		Construction:	GRP / PVC sandwich

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34m

Sailing yacht innovation

YACHT

PASSENGER
VESSEL

PROJECT



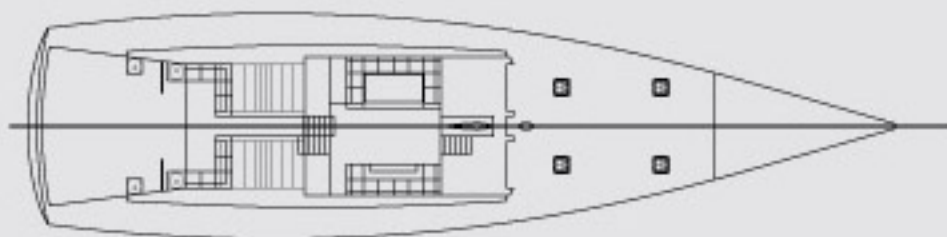
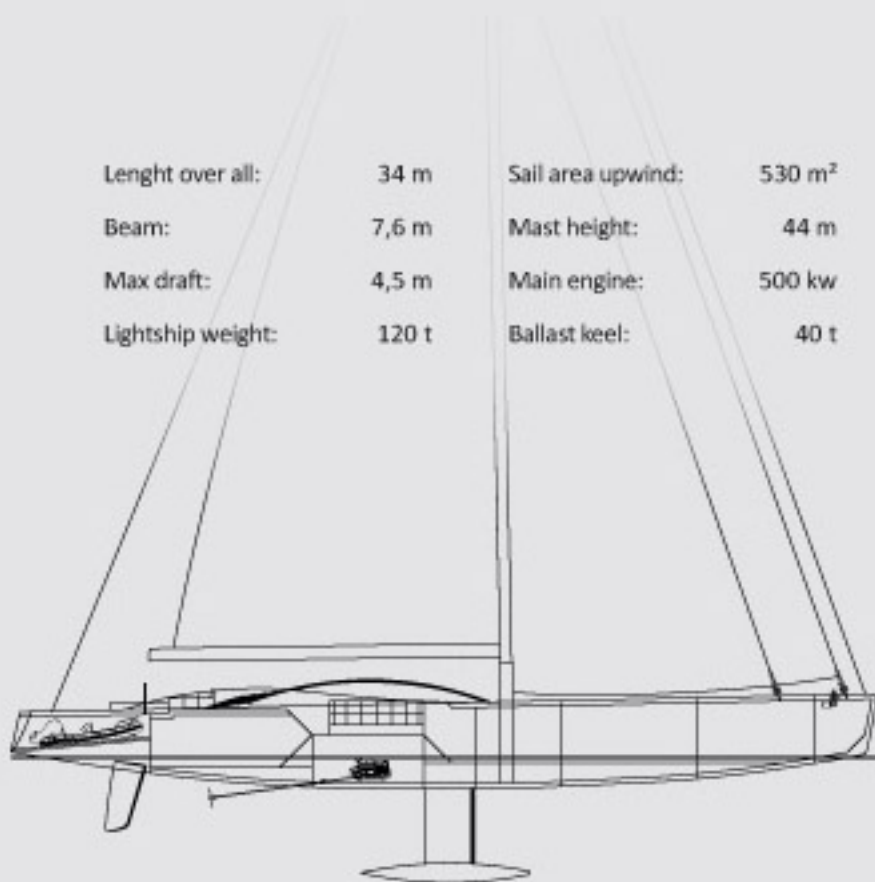
This 110 ft sailing yacht enjoys a high degree of comfort with adaptive volumes and sleek lines, fitted with removable streamlined roofs inspired by motor yacht hardtops.

This approach allows to strike a balance between the traditional demand for wide internal volumes for the deck saloon and the space devoted to the outer cockpit.

34m

Sailing yacht innovation

Lenght over all:	34 m	Sail area upwind:	530 m ²
Beam:	7,6 m	Mast height:	44 m
Max draft:	4,5 m	Main engine:	500 kw
Lightship weight:	120 t	Ballast keel:	40 t



Photovoltaic shutters



Closed



Semi-opened



Open



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21m

VZ 68

EXTERIOR DESIGN BY SDI
INTERIOR DESIGN BY SDI & F. DARNET

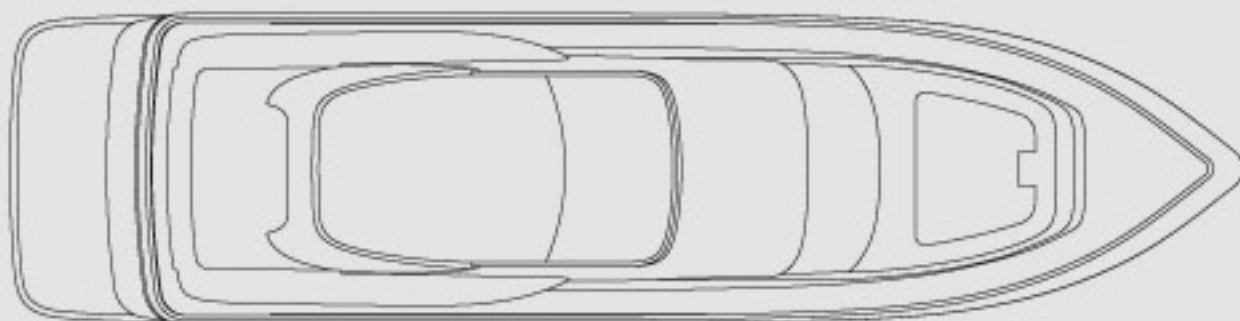
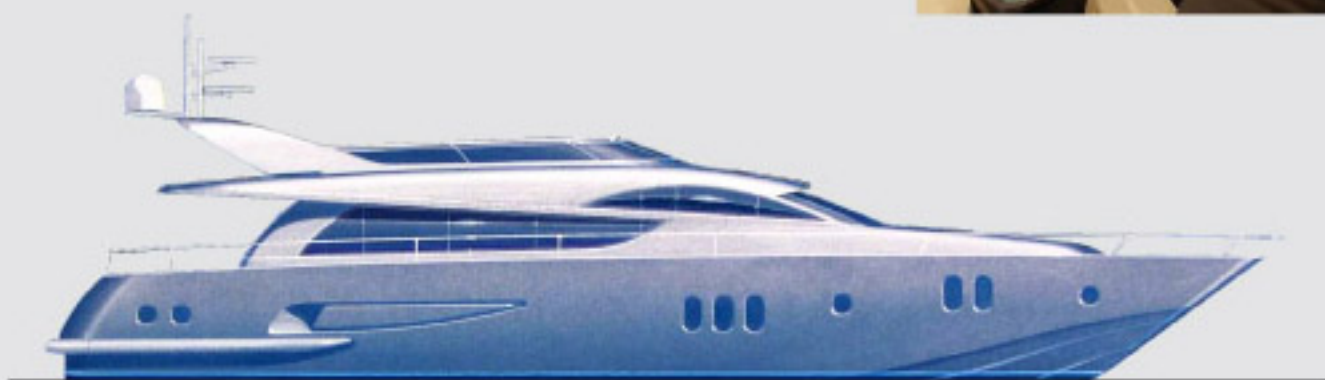


Elegant but essential in style: the distribution of the exterior spaces has been thought to guarantee the maximum advantage.

Careful selection of the materials: from the wood colours to the perfection of the marbles, from the steel basic essence to the leather rigour... to create a boat beaming the discrete charm of the luxury.

21m

VZ 68



Length:	20,80 m - 68'	Max speed:	33 knots
Beam:	5,30 m - 17,39'	Cruising speed:	27 knots
Draft:	0.90 m - 3'	Gazoil capacity:	4400 L
Engines:	MAN (2 x 1360 HP)	Water capacity:	1200 L
		Construction:	GRP



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130m PRIVATE YACHT

EXTERIOR DESIGN BY SDI



Confidential Project under development.

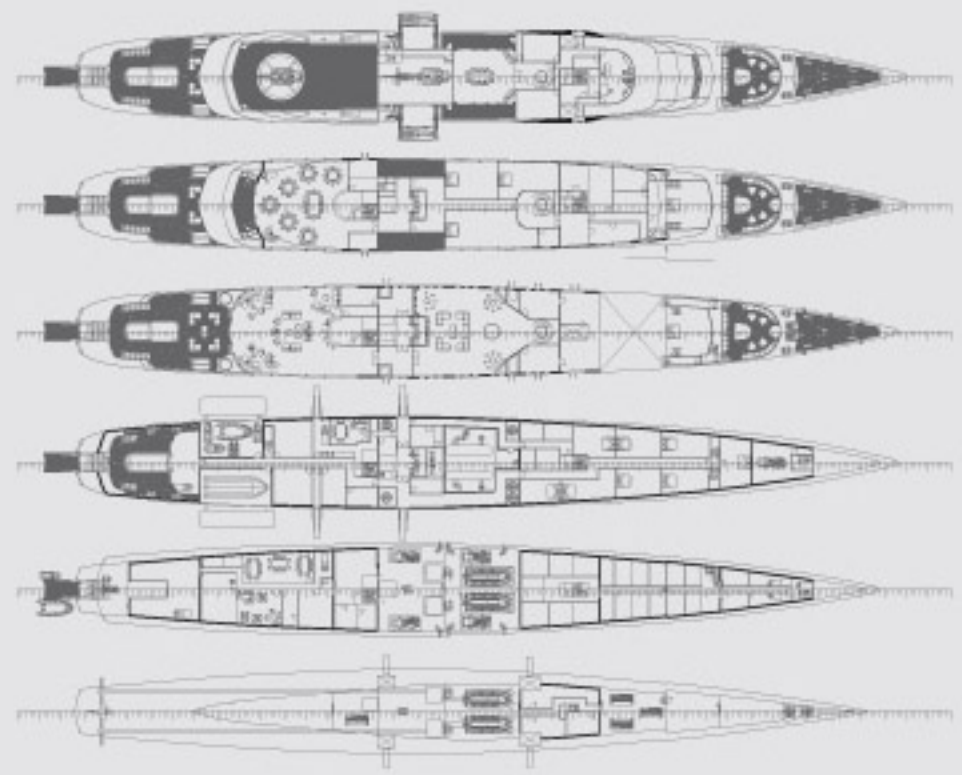


130m

PRIVATE YACHT



Length : 130,80 m
Beam : 14,60 m
Draft : 4,20 / 5,10 m
Tonnage : 4800 UMS
Passengers suites : 14
Guests : 60
Crew: 56
Helicopter: EC 130



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