



L A T E R A L

NAVAL ARCHITECTS



SPITFIRE

IN COLLABORATION WITH

BANNENBERG
ROWELL
DESIGN

CLOUD 
YACHTS



LATERAL

Lateral Naval Architects provide complete engineering expertise to the superyacht industry, from project conception to delivery.

Our core competence is engineering, but our unique focus is on meaningful innovation, to enable superyachts that meet the demands of today's owners and those of the future.

We believe that meaningful innovation starts with asking new questions.



HOW CAN HERITAGE
INSPIRE US

TO CULTIVATE
SOMETHING...



EVOLVED?

OUR HERITAGE

Though Lateral was formed in 2018, the core staff have been working on vessel design, across multiple disciplines, for over 30 years; operating under our parent company, BMT.

Over the course of its history, BMT have built upon an extensive portfolio across a range of commercial markets, with vessels ranging from 10m to over 120m.



INSPIRATION

noun

the process of being mentally stimulated to do or feel something, especially to do something creative.

LATERAL OFFICE

Lateral sits directly on the River Itchen, close to a rich history of engineering, we are inspired by our surroundings on a daily basis



Across the water are the old grounds of the Supermarine Works, where they built the iconic Spitfire.

THE SUPERMARINE
WORKS (1936-1939)



L A T E R A L

OUR INSPIRATION

Spitfire is built upon the same foundations that produced the 2018 award-winning **ARES 150 BOLD**, a 48m offshore patrol vessel, with a top speed of 35 knots; designed by BMT and built by Ares Shipyard in Turkey.

With two vessels already in operation, Spitfire's parent hullform has been optimised and validated by means of numerical simulations, experimental testing, and full-scale sea trials.

Since 2014, BMT & ARES have worked in partnership to deliver across multiple markets, including high-speed patrol, passenger ferry and more.



OVER 100 VESSELS
PRODUCED BY BMT | ARES





APPLYING HERITAGE

Inspired by our heritage, this platform is built upon three key pillars: speed, lightweight construction, and iconic design proportions.

Marrying a hull possessing offshore pedigree with the requirements of a superyacht platform creates exciting opportunities; both from a design and technical perspective. This requires an evolved hullform, to meet the demands of a pleasure craft.



L A T E R A L

PROVEN HULLFORM EVOLUTION

The evolution of the proven hullform, coupled with Lateral's extensive knowledge in electric architecture, results in the platform being equipped with a hybrid propulsion system that achieves a top speed in excess of 23 knots. Its associated battery bank is designed to enable silent operations, both at anchor and during sailing.

MAIN ENGINES:
2X MTU
16V2000 M96L
@ 1939kW

GENERATORS:
2X CAT 7.1
@ 129kW

PLATFORM
PROPULSION SYSTEM

BATTERY BANK
CAPACITY:
0.6MWhr





DICKIE
BANNENBERG

BANNENBERG
ROWELL
DESIGN

SIMON
ROWELL



Bannenberg & Rowell Design is a direct descendant of Jon Bannenberg Ltd, the convention-breaking studio founded by Dickie Bannenberg’s late father in the early 1960s.

B&R’s base is in an industrial building in Fulham, south-west London, which houses the design studio, a full soft furnishings and sampling library and the studio design archives dating back some fifty years : drawing tubes labelled “Shah of Persia” sit alongside those for “Fidel Castro”. Just for clarity – there are plenty of other non-dictator clients.

Since 2003, when the company was rebranded as Bannenberg & Rowell, the studio has delivered some forty yacht projects - new

builds and refits - as well as a further twenty residential and transport projects. The studio works on both exterior and interior yacht design projects.

We work with almost all the leading shipyards in Northern and Southern Europe (including double figure new constructions with Feadship and Heesen respectively) and further afield too.

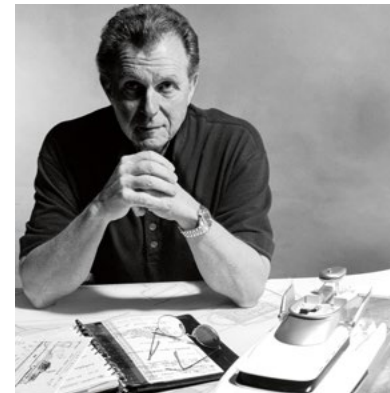
Dickie Bannenberg and Simon Rowell are frequent speakers at industry seminars and forums and contribute regularly to yachting publications and other media. Both are often judges for industry-led awards and competitions.

SPITFIRE, developed in close collaboration with Lateral, represents a bold step further into the digital and NFT yachting world where, partnering with Cloud Yachts, a strictly limited edition of designs were sold in 2022.

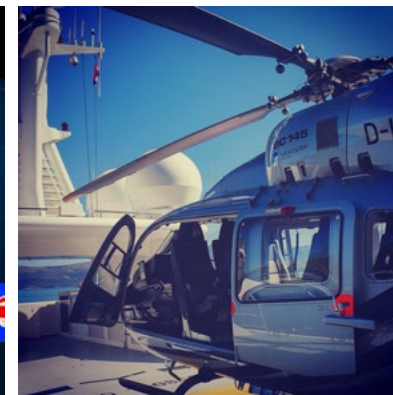
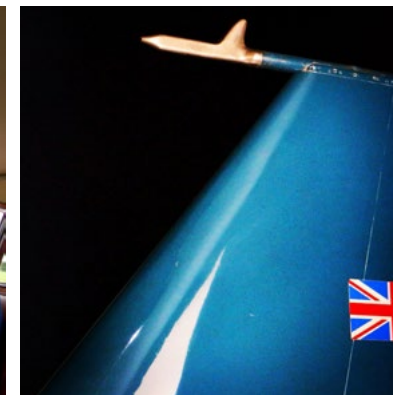
SPITFIRE is a fully developed design, tailored for informal and flexible living.

Lean and nimble; purposeful and distinctive – a seagoing reinterpretation of her celebrated airborne ancestor.

Park yourself at the Scramble Station; grab a cocktail (Aviation Gin anyone?) or meet your skipper in the Ready Room and plot the day’s missions. SPITFIRE is a boat for today’s living. And wait till the all electric version



B&R



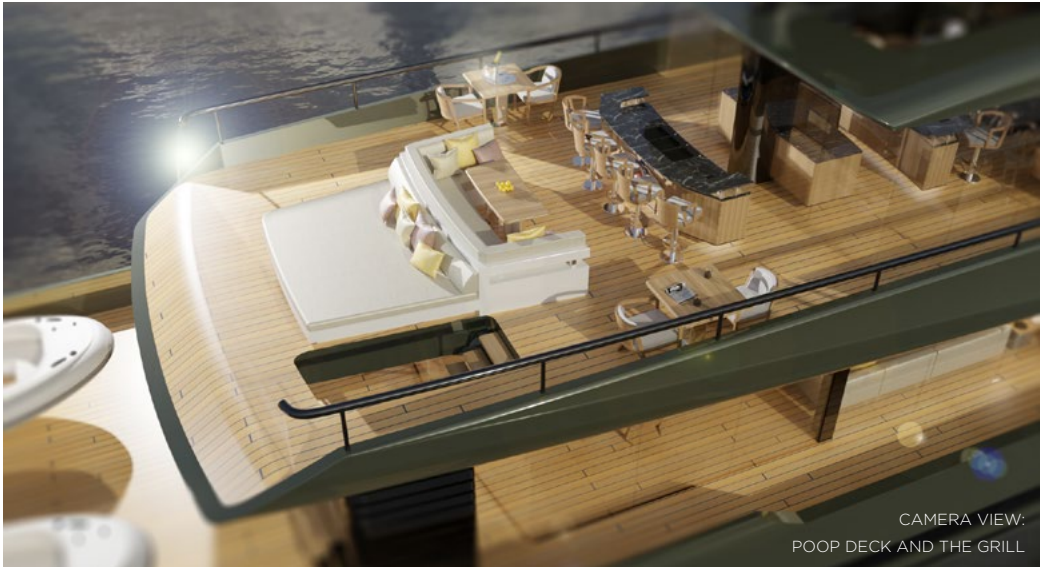
CAMERA VIEW:
THE SCRAMBLE STATION
THROUGH TO D - FAC



CAMERA VIEW:
THE D-FAC
THROUGH TO BUNKER



CAMERA VIEW:
POOP DECK AND THE GRILL



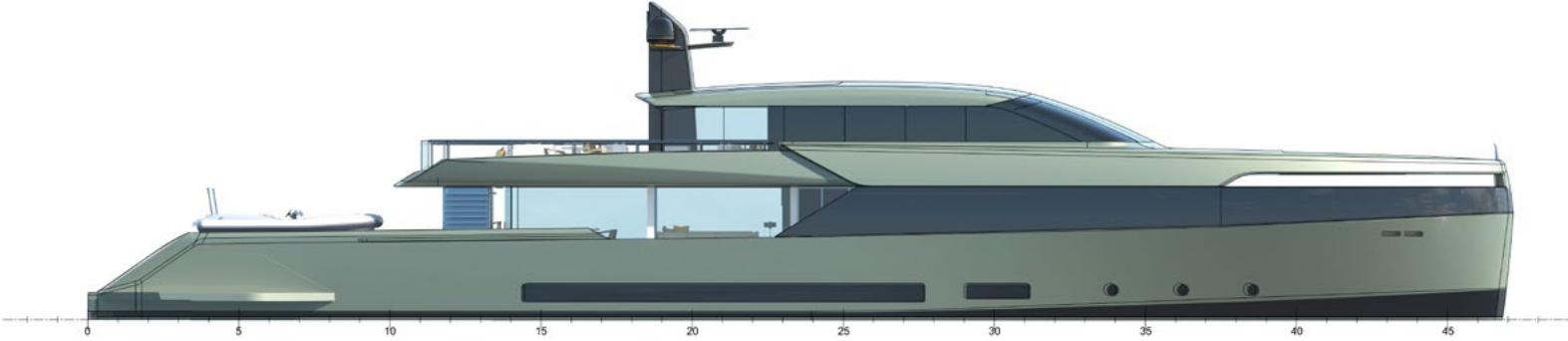
CAMERA VIEW:
THE GRILL
THROUGH TO WARDROOM



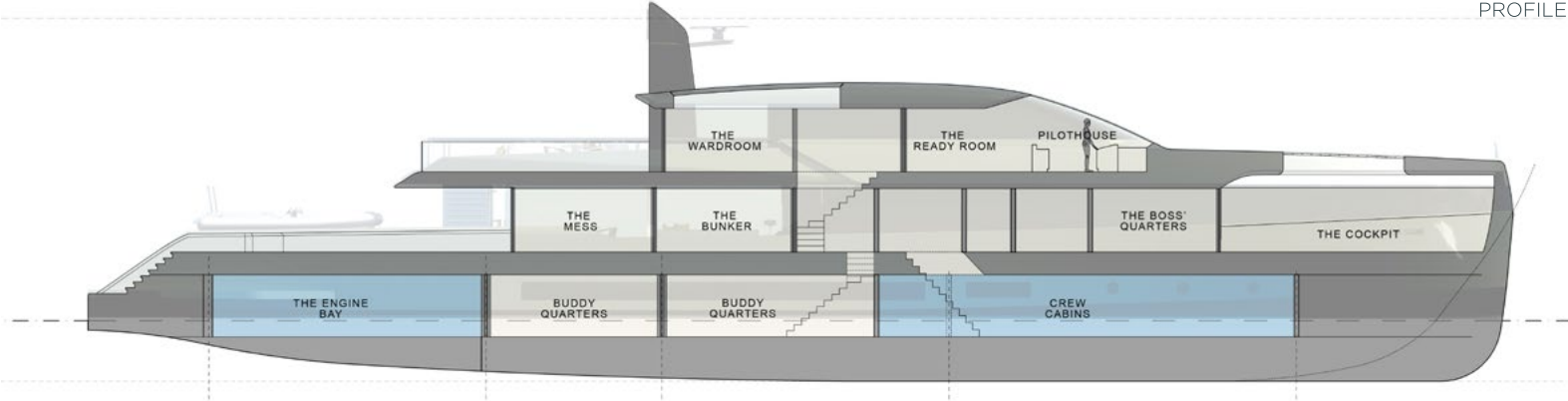
CAMERA VIEW:
THE READY ROOM
THROUGH TO PILOTHOUSE

CAMERA VIEW:
THE PILOTHOUSE CONSOLE

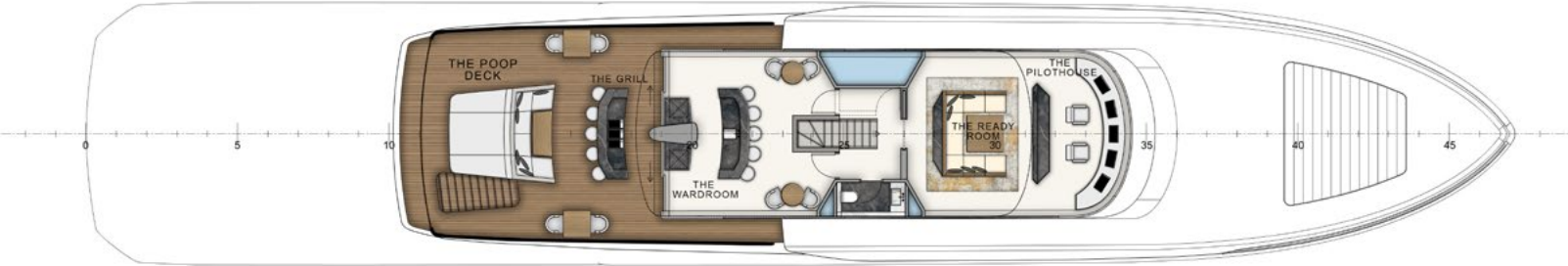




PROFILE



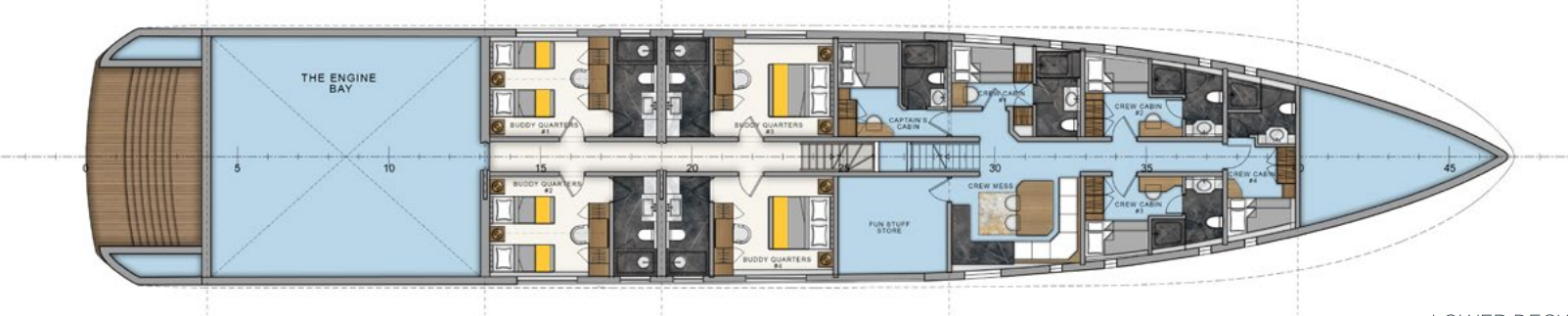
SECTION



PILOTHOUSE DECK



MAIN DECK



LOWER DECK

TECHNICAL PARTICULARS

Length Overall	47.2 m	Top Speed	23.5 knots
Length Waterline	46.8 m	Cruise Speed.....	20.7 knots
Beam.....	8.6 m	Range Speed.....	11.3 knots
Draught (Full Load).....	2.1 m	Range	3000 Nm
Gross Tonnage	499 t		



SPITFIRE



BANNENBERG
ROWELL
DESIGN





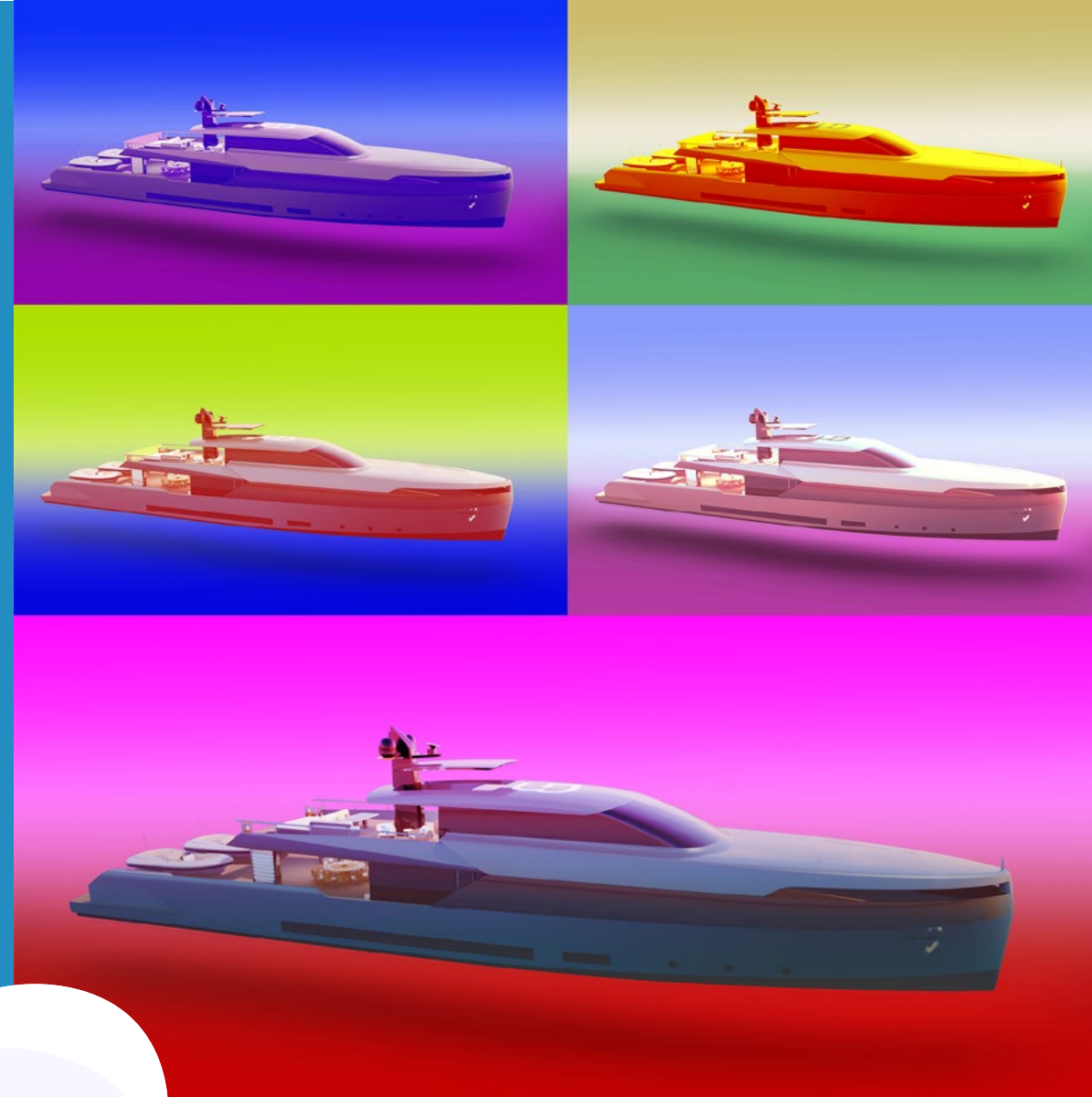
CLOUD YACHTS

*WORLD'S FIRST
WEB3 YACHT BROKERAGE*

CLOUD YACHTS IS THE FIRST DIGITAL YACHT DEALER TO THE METAVERSE.

GAIN EXCLUSIVE ACCESS TO THE SUPERYACHT LIFE

WITH YOUR CLOUDYACHTS NFT.



BANNENBERG & ROWELL NFT COLLECTION
POWERED BY CLOUD YACHTS



CLOUDYACHTS.IO

Engineering is a search for answers.

Innovation is a new answer to an old question.

L A T E R A L is an answer to a new question.

Ask **new questions.**



ASK FURTHER QUESTIONS

James Roy

Managing Director
jroy@lateral.engineering

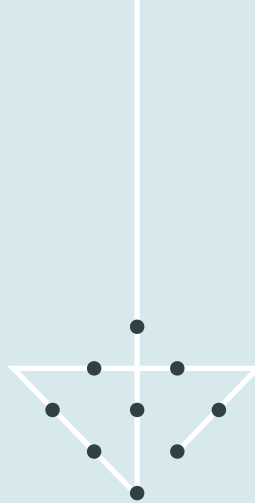
T +44 (0)23 8022 8855



Matteo Magherini

Business Development
mmagherini@lateral.engineering

T +44 (0)23 8022 8855



BUILDING 13,
SHAMROCK QUAY,
WILLIAM STREET, SOUTHAMPTON,
SO14 5QL, UK

T +44 (0)23 8022 8855

WWW.LATERAL.ENGINEERING