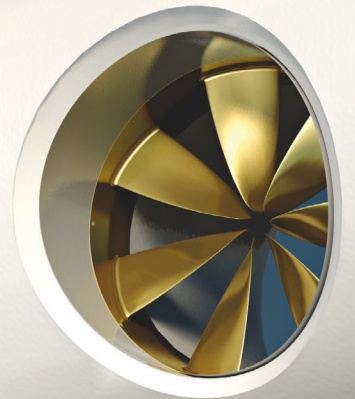


YACHTS



Superb thrusters
for superyachts



THE UL

Brunvoll is No. 1 for the world's top yachts

Prestigious yachts. Precise manoeuvring.
Powerful, smooth and reliable sideways thrust
is increasingly appreciated.

Breathtaking design. Breathtaking solutions.
Brunvoll blends in. Naturally.

Brunvoll thrusters – for the ultimate in comfort, power
and reliability.

Ultimate design ... Ultimate solutions



ULTIMATE

... 6 out of the top 10 ... built since 1999

Based on the Super yachts.com 2013

With minimum noise levels, no vibration, and the ultimate in flexible manoeuvring, Brunvoll is the thruster of choice for powerful superyachts.

Brunvoll sophistication in sophisticats.

Superyachts grow ever larger and longer. When reliable performance is paramount, Brunvoll provides peace of mind – whatever the size of the ship.

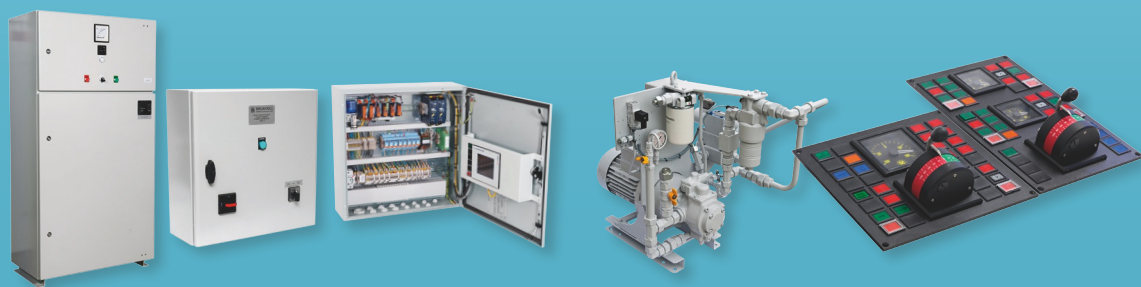
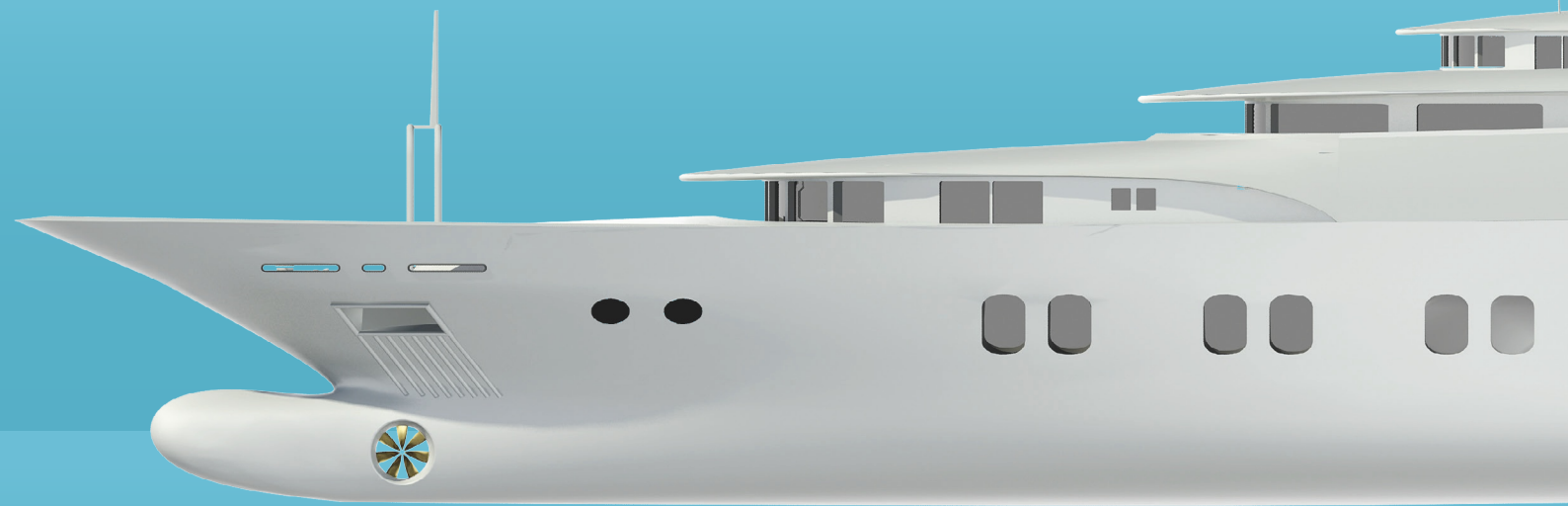
... Brunvoll blends in ... Naturally



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SYST



Larger yachts
– complex harbours
– manoeuvring challenges

Reliability is critical and
quiet performance is expected

Brunvoll technology provides
superb solutions and
thruster power for yachts

We design our thruster solutions to generous specifications ensuring high endurance and maximum component life. Trusted Brunvoll technology provides peace of mind for dependable manoeuvring, positioning, and propulsion.

Complete thruster systems from a
single-source supplier

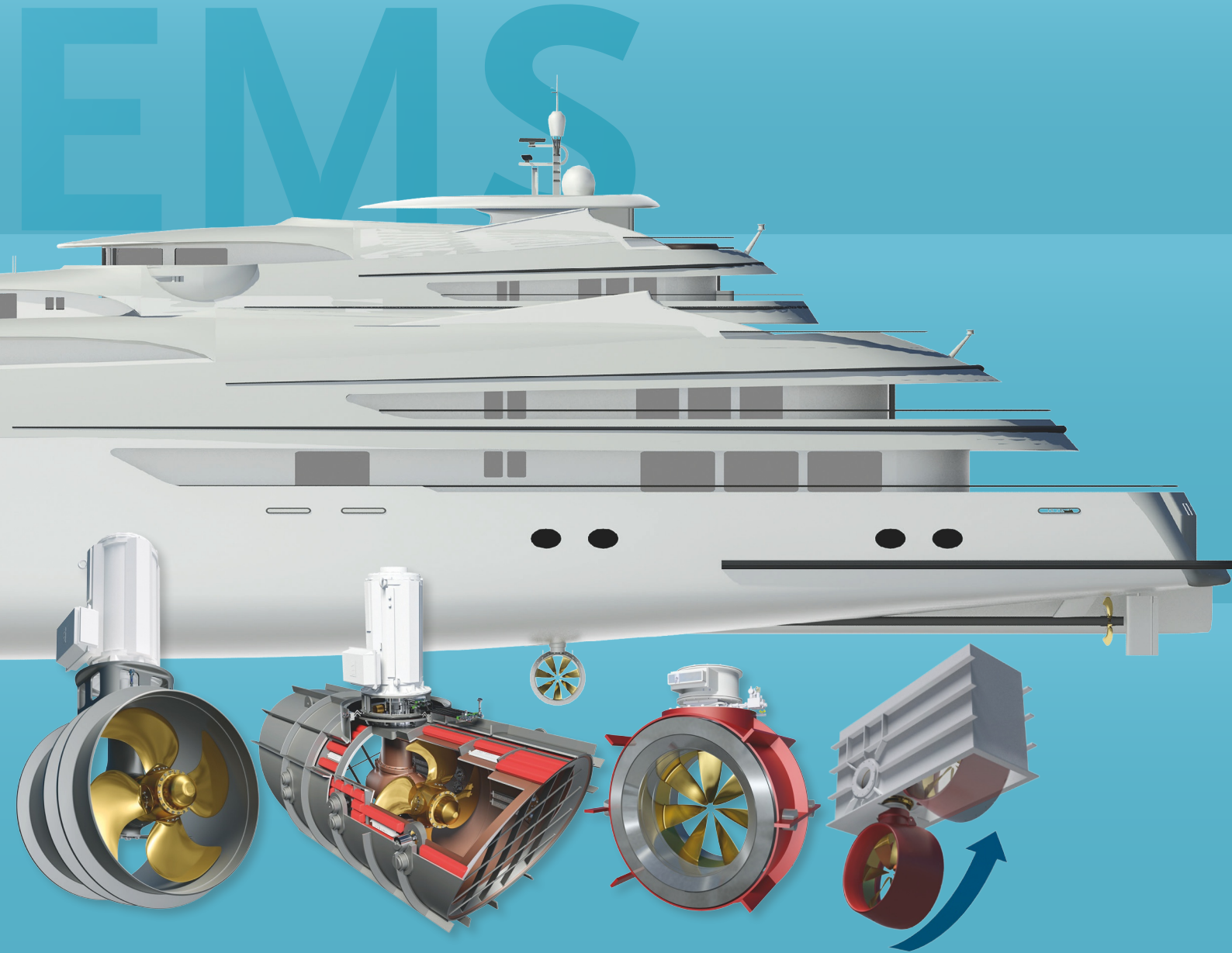
Brunvoll offers a consistent range from 100 kW to 3,500 kW – including tunnel thrusters, LowNoise thrusters, and rim-driven thrusters (RDTs).

Brunvoll provides fully integrated thruster solutions complete with drive, control, alarm and monitoring systems, electronic cabinets, and hydraulic power units.

BruCon from Bridge to Blade

BruCon is Brunvoll's modular control, monitoring and alarm system for manoeuvring, positioning and propulsion – enabling:

- Precise control of manoeuvring, positioning and propulsion
- Optimized performance
- Reduced wear
- Smarter preventive maintenance
- Reliable service
- Access to Brunvoll support 24/7



Multidisciplinary in-house expertise

- Mechanical. Hydraulic. Electric. Electronic. Hydrodynamic. Our comprehensive expertise, focused only on thrusters, saves time, saves effort, and boosts long-term benefits.
- Fully integrated design, engineering, production and service enable unmatched expertise, continuity and experience. The result is unique flexibility in a demanding market.
- Designers, shipbuilders, owners and crews worldwide appreciate the partnership with Brunvoll and the short path to effective solutions.
- Our insight into propeller design, performance and thruster interaction enables optimized solutions with better thrust, lower energy consumption, low noise, low vibration and improved lifetime performance.

Lifetime service and support

- Our streamlined organization focuses on thruster systems only.
- All our thruster systems are Brunvoll design – our service personnel know them inside out.
- Brunvoll's experienced teams of in-house service engineers have multidisciplinary skills.
- Fast and knowledgeable response to service calls is available 24/7.
- For short delivery times, we keep extensive stocks of spare parts for all Brunvoll thrusters in service.

LOW

Brunvoll – Pioneers and

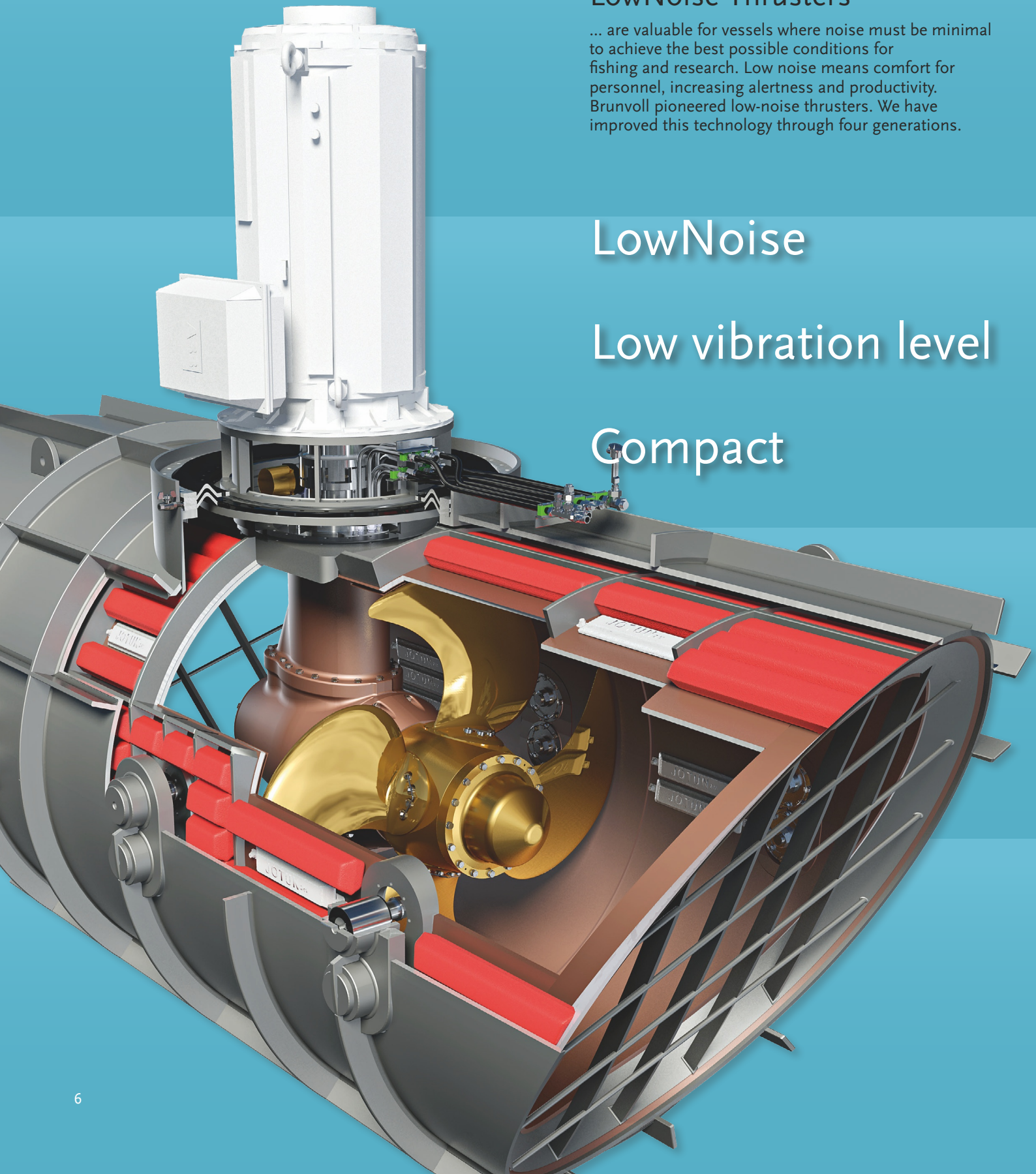
LowNoise Thrusters

... are valuable for vessels where noise must be minimal to achieve the best possible conditions for fishing and research. Low noise means comfort for personnel, increasing alertness and productivity. Brunvoll pioneered low-noise thrusters. We have improved this technology through four generations.

LowNoise

Low vibration level

Compact



NOISE

Masters of LowNoise Thrusters

RDT – Rim Driven Thrusters

... enable space-saving and flexible design along with quiet performance. The undisturbed water inflow to the propeller reduces noise and vibration, improving thruster efficiency.

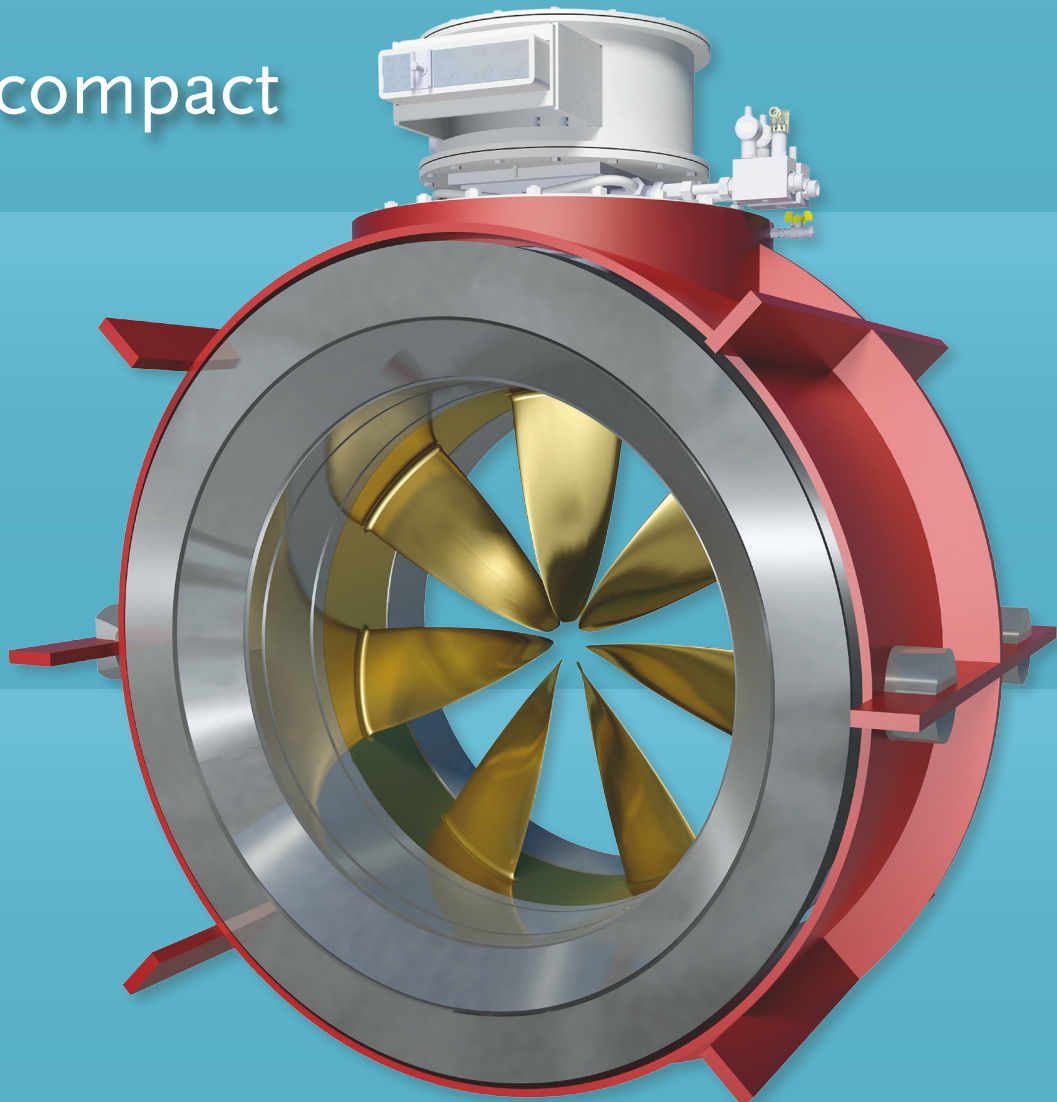
With the integrated electric motor, there is no need for shaft line, coupling or external electric motor.

With no gears and bearings that need oil lubrication, RDTs reduce environmental risk.

Lower Noise

Lower vibration level

More compact



The renowned “Eclipse” with Brunvoll LowNoise Thrusters

The 164 metre “Eclipse” has two helicopter pads,
several hot tubs, three launch boats,
and a mini-submarine.



Photo: Peter Seyfarth / The yachtphoto.com

2010 “Eclipse”

Yard: Blohm+Voss

Bow: 2 x LowNoise FU63 LRC 1750 500 kW





“Al Said” with a complete Brunvoll Package

This yacht has six spacious decks and features a striking design. Shrouded in secrecy, the yacht has a concert room with space for a 50-piece orchestra.

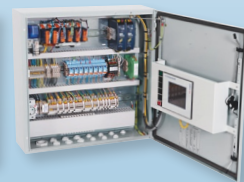
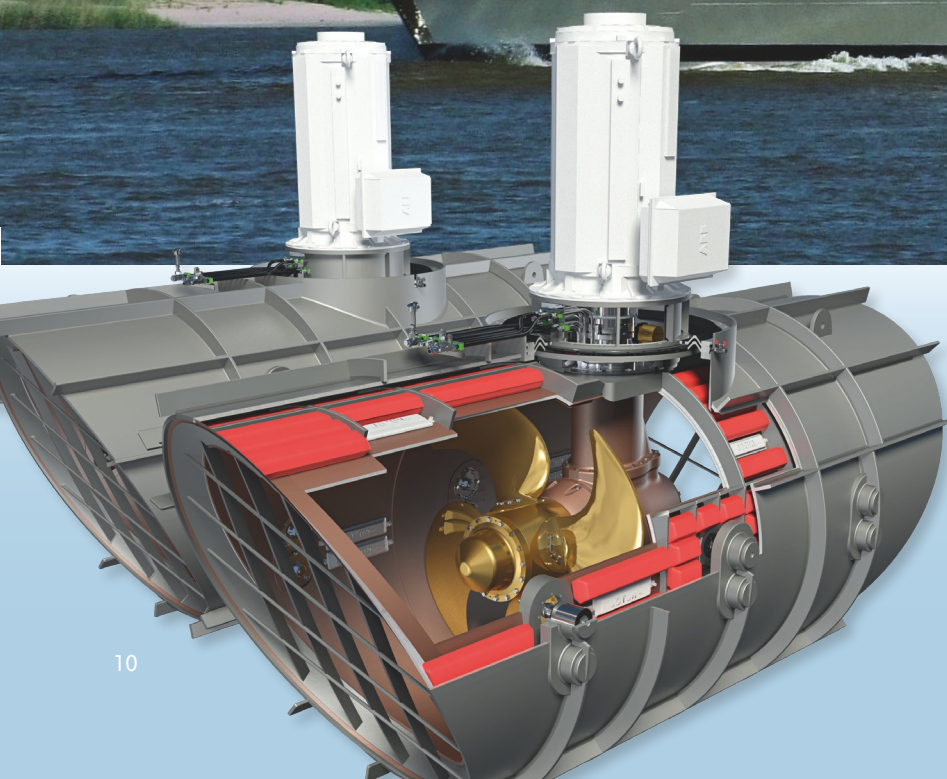




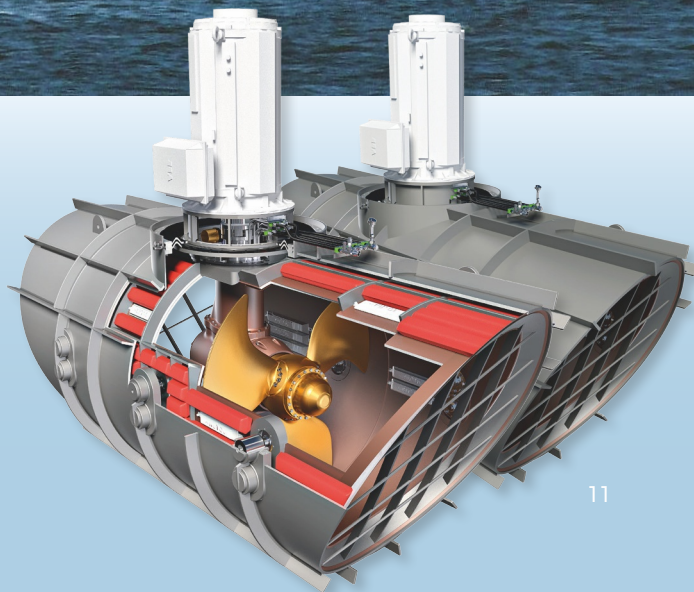
Photo: Peter Seyfarth / The yachtphoto.com

2007 "Al Said"

Yard: Lürssen

Bow: 2 x LowNoise Tunnel Thrusters FU63 LRC 1750 550 kW

Stern: 2 x LowNoise Tunnel Thrusters FU37 LRC 1000 200 kW



The 133.9 m “Serene” is equipped with Brunvoll Thrusters

The supremely luxurious “Serene” has space for up to 24 guests and a crew of 52. One of the two helipads converts into a saltwater swimming pool, and a fully equipped boardroom makes “Serene” an inspiring setting for work as well as relaxation. At night, neon runners outline the ship in dramatic turquoise.

“Serene” was the largest yacht launched in 2011, and is thought to be one of the most technically advanced in the world.

The yacht won the 2012 World Superyacht Award in the category Displacement Motor Yacht 3000 GT and above.

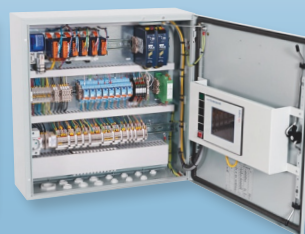


Photo: Peter Seyfarth / The yachtphoto.com

2012 “Serene”

Yard: Fincantieri

Bow: 2 x LowNoise FU45 LRC 1375 400 kW





“Pacific” with a new Brunvoll solution

An advanced thruster solution for an avant-garde vessel.

The combination of a LowNoise Brunvoll FU37 in the bow and a Brunvoll RF rim-driven thruster in the stern sets a new standard in supreme manoeuvrability.



2010 “Pacific”
Yard: Lürssen
Bow: LowNoise FU37 LRC 1000 240 kW
Stern: Rim Driven Thruster RDT RF 1000 180 kW

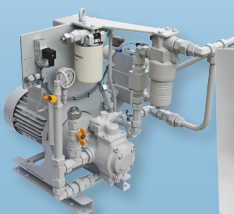
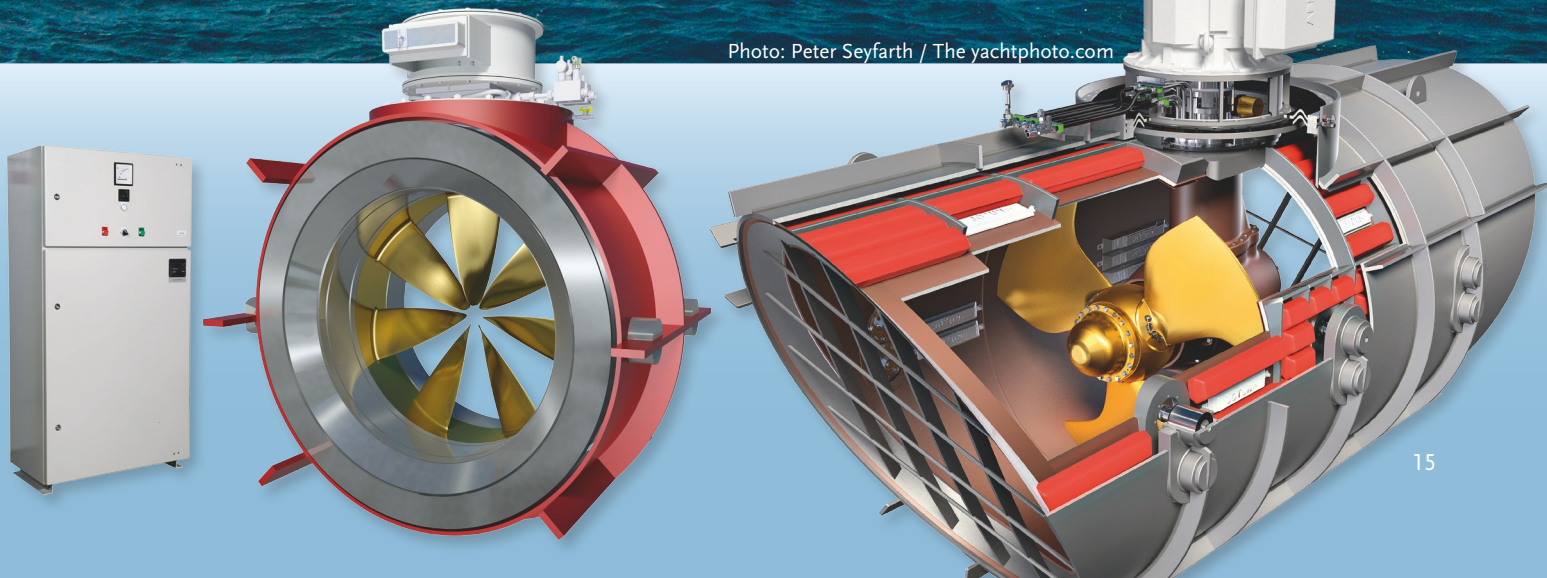




Photo: Peter Seyfarth / The yachtphoto.com



“Mayan Queen IV” with three Brunvoll LowNoise Thrusters

This imposing vessel has room for 16 guests and 24 crew members:

“Mayan Queen IV” (93.25 m), formerly known as “Project Safari”, has a hull of steel and aluminium superstructure, with a beam of 15.9 m and a draught of 4.25m. She has a cruising speed of 20 knots and a top speed of 22 knots.

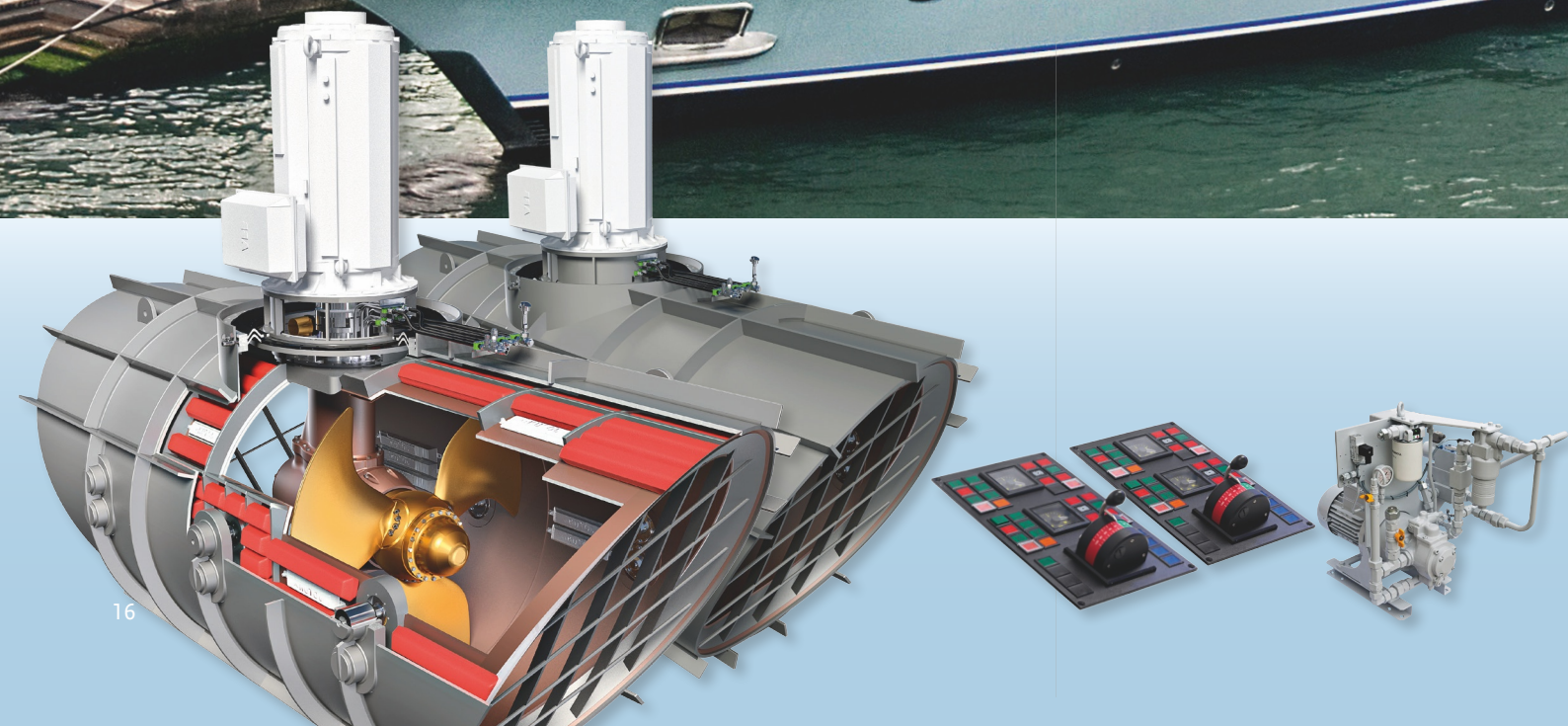
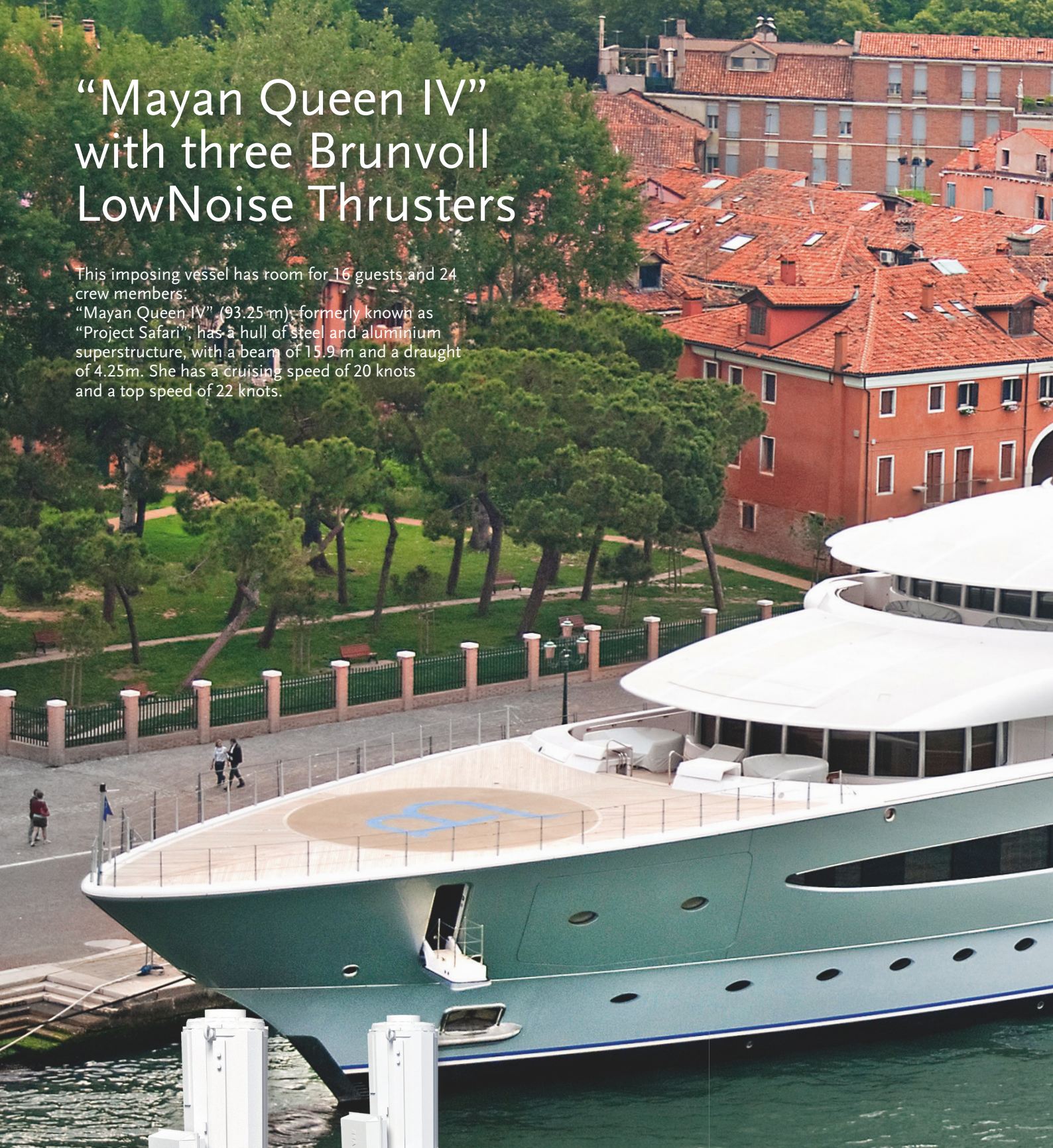




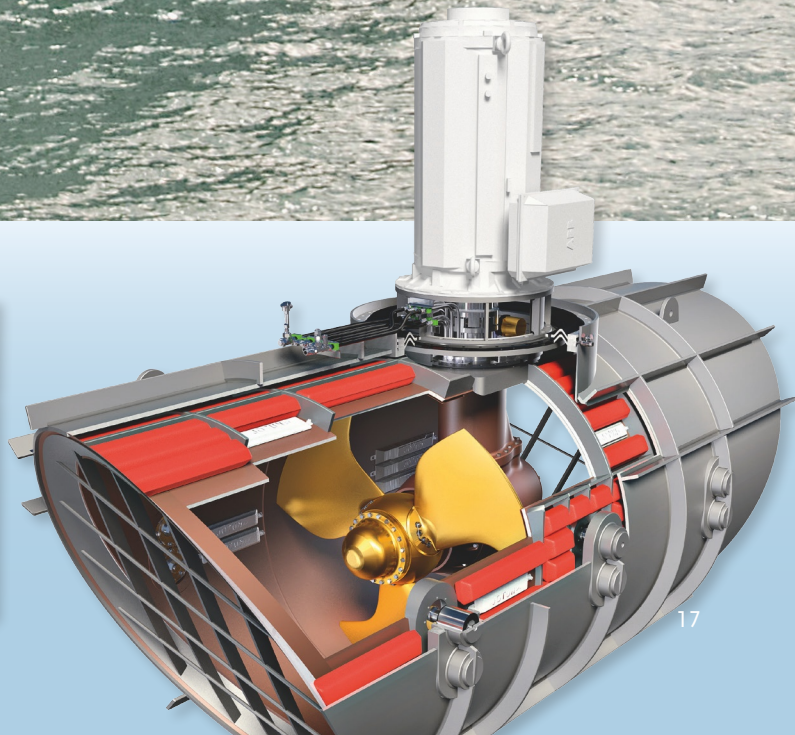
Photo: Don Frazer

2008 "Mayan Queen IV"

Yard: Blohm+Voss

Bow: 2 x LowNoise FU37 LRC 1000 250 kW

Stern: LowNoise FU37 LRC 1000 220 kW



“Pegasus V”

The six-deck “Pegasus V” (formerly “Princess Mariana”) was built for just 12 guests, with a crew of 26. The 78.6 metre yacht has its own helipad. A section of the starboard hull folds down to form a private sunning terrace. When the tender garage is empty, it can be used for swimming.

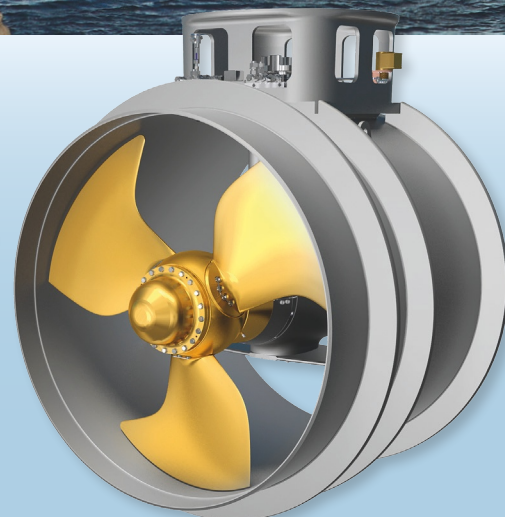


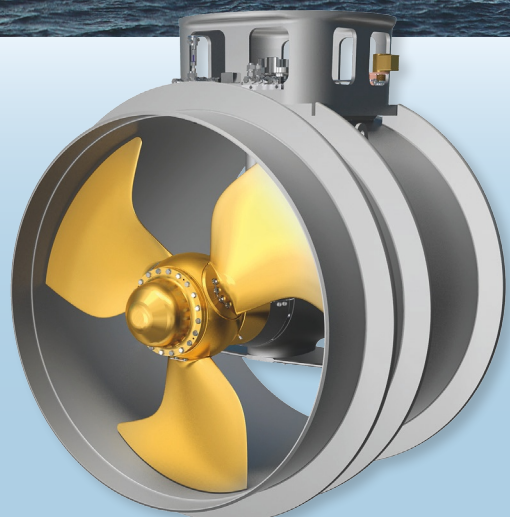
Photo: Peter Seyfarth / The yachtphoto.com

2003 “Pegasus V”

Yard: Danyard

Bow: 2 x FU37 LTC 1000 150 kW



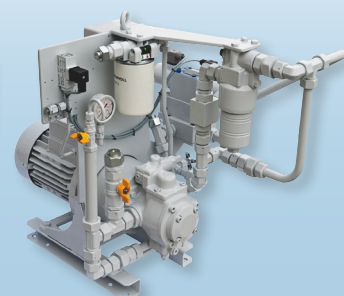
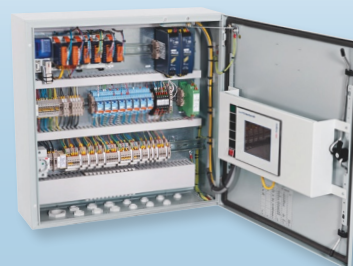


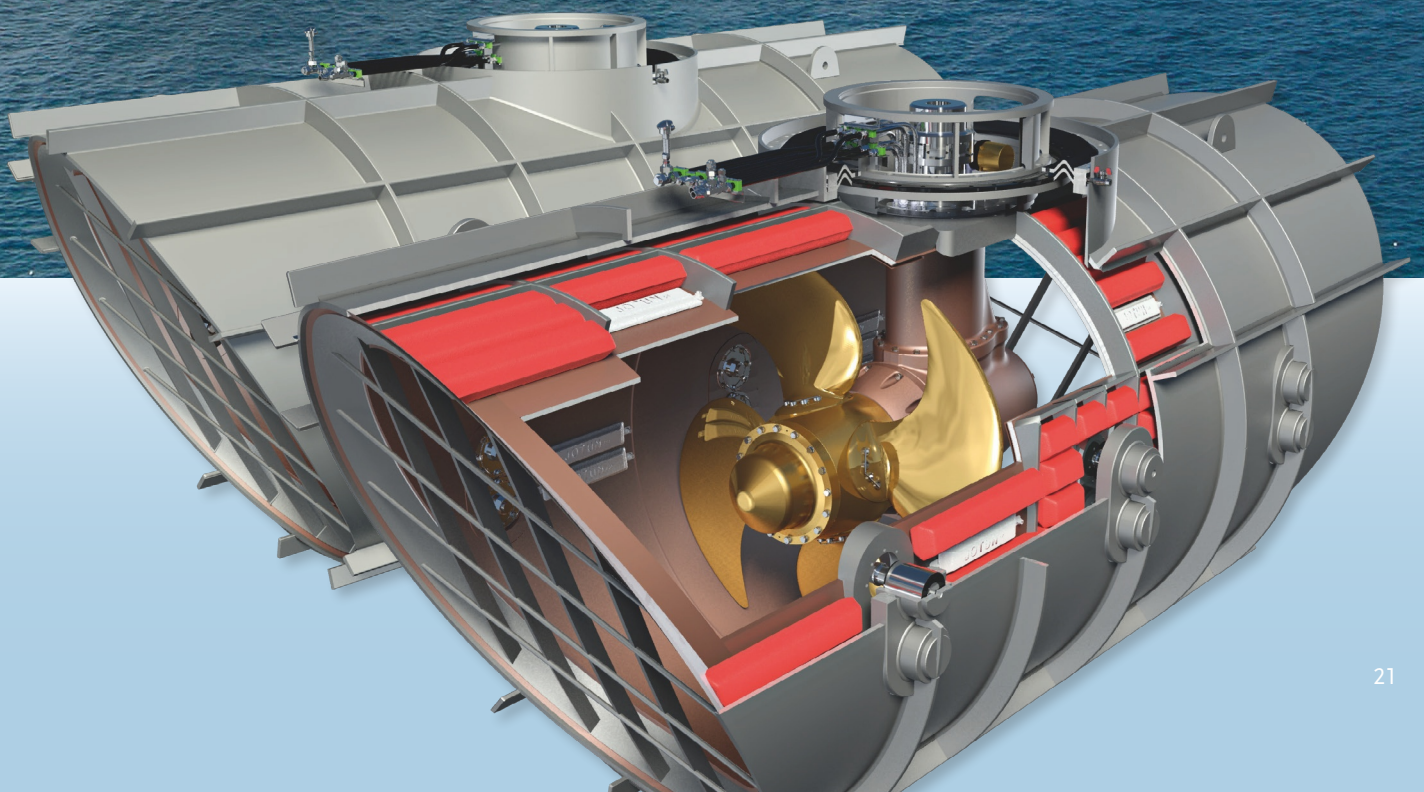
“Topaz” – no. 5 on the list of the world’s largest yachts

“Topaz” – built by Lürssen Yachts in Bremen, Germany. The 147m vessel with eight decks was the largest luxury yacht launched in 2012. “Topaz”, with a steel displacement hull and aluminium infrastructure has a helipad, tender garages and swimming pools.



Photo: Ian Bugby
2012 “Topaz”
Yard: Lürssen
Bow: 2 x LowNoise FU63 LRC 1750 700 kW





“A” – another design milestone with Brunvoll Thrusters

Code-named Project Sigma, this 119 m attention-grabbing superyacht was designed by Philippe Starck. Advanced stabilizers and bow thrusters ensure exceptional comfort and handling.

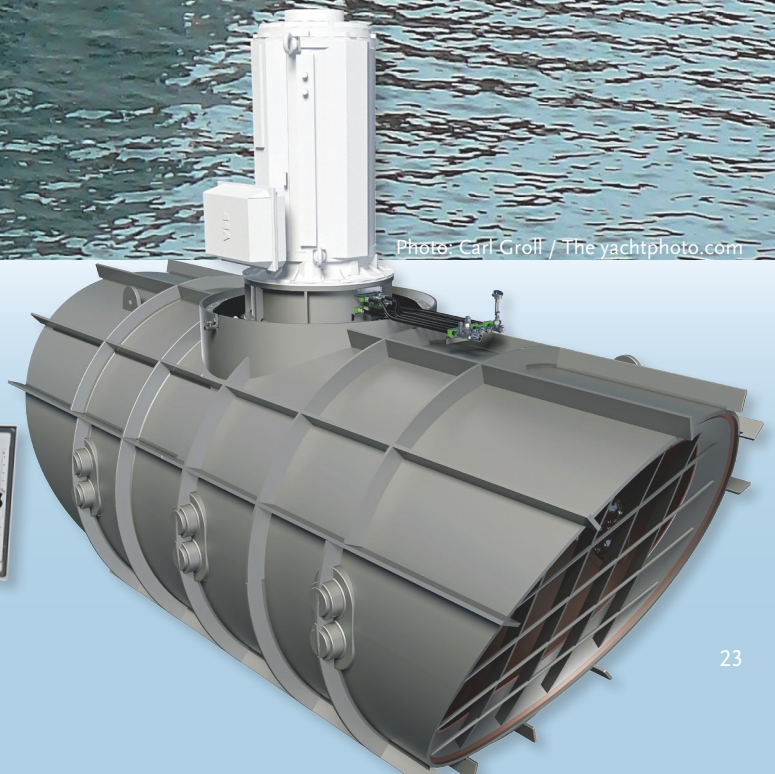


2008 “A”
Yard: HDW
Bow: 2 x LowNoise FU45 LRA 1375 330 kW





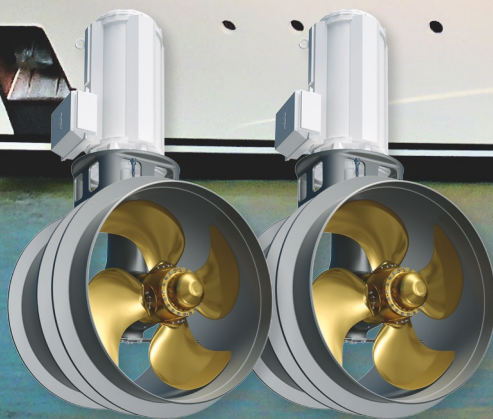
Photo: Carl Groll / The yachtphoto.com



“Pelorus” with Brunvoll in the bow

“Pelorus” is one of the world’s largest yachts, with a length of 115 metres. She was built by Lürssen shipyard in Germany, which has won many awards for its magnificent yachts.

2003 “Pelorus”
Yard: Lürssen
Bow: 2 x FU45 LTC 1375 294 kW



“Northern Star”

This expedition yacht has an ice-classed hull and a range of 7,000 nautical miles.





Photo: Carl Groll / The yachtphoto.com
Photo: Giovanni Romero / The yachtphoto.com



2009 "Northern Star"
Yard: Lürssen
Bow: LowNoise FU45 LRC 1375 300 kW

They all trust Brunvoll for sideways thrust



2008 "Predator"
Yard: DeVries
Bow: LowNoise FU37 LRC 1000 220 kW
2007 "Saint Nicholas"

Photo: Peter Seyfarth / The yachtphoto.com



2008 "Martha Ann"



2010 "Palladium"



2002 "Skat"
Photo: Jørgen Eide



2006 "Titania"



2010 "Luna"
Yard: Lloyd Werft
Bow: 2 x LowNoise FU37 LRC 1000 220 kW



2003 "Phoenix 2"
Yard: Lürssen
Bow: LowNoise FU37 LRC 1000 240 kW

2004 "Rising Sun"
Yard: Lürssen
Bow: 2 x LowNoise FU63 LRC 1750 500 kW



1999 "Reverie"



2005 "Polar Star"



2004 "Queen K"
Yard: Lürssen
Bow: LowNoise FU37 LRC 1000 220 kW



2010 "Katara"
Yard: Lürssen
Stern: 2 x LowNoise FU37 LRC 1000 240 kW

Classic beauty of the past – upgraded with superb Brunvoll thrusters



“Christina O” upgraded in 1999 with a Brunvoll Thruster System

Aboard “Christina O” – Onassis’s legendary superyacht, some of the world’s most influential people have been guests. An elaborate refit restored her former glory in 2001. Brunvoll supplied the Thrusters complete with control system and bridge modules.

Bow: FU45 LTC 1225 260 kW
Stern: FU37 LTC 1000 180 kW

The Royal yacht “Norge” upgraded with a Brunvoll Thruster System

The Royal Yacht “Norge” was presented to the King of Norway in 1947 by a grateful nation. Today, she is one of only two Royal Yachts remaining in Europe.

She was upgraded with a Brunvoll Bow Thruster FU45 LTC 1225 220 kW in 1998

Photo: Jørgen Eide





“Nero” – of 2007

Yard: Yantai Raffles
Bow: FU37 LTC 1000 147 kW



6 out of 10 of the largest yachts



2 2010 "Eclipse" – 162.5 metres long, with two helicopter pads, several hot tubs, three launch boats, and a mini-submarine. The vessel was constructed by Blohm+Voss in Hamburg, Germany. Bow: 2 x LowNoise FU63 LRC 1750 500 kW.



3 2006 "Dubai" (162m). Guest and VIP suites are linked by a spectacular circular staircase with glass steps that change colour. Bow: LowNoise FU63 LRC 1750 600 kW.



4 2008 "Al Said" (155m) has six spacious decks. Shrouded in secrecy, the yacht has a concert room with space for a 50-piece orchestra. Bow: 2 x LowNoise FU63 LRC 1750 550 kW. Stern: 2 x FU37 LRC 1000 200 kW.

rely on Brunvoll Thrusters

Based on the Superyachts.com listing 2013



5 2012 "Topaz" – this 147m vessel with eight decks was the largest luxury yacht launched in 2012. Bow: 2 x LowNoise FU63 LRC 1750 700 kW.



7 1999 "Al Salamah" – originally code-named Mipos for "Mission Possible". Built by Lürssen Yachts and kept a great secret, the 139m vessel was last refitted in 2009. Bow: 2 x Two FU45 LTC 1375 450 kW.

Brunvoll information resources are available in the publications shown here.

Please contact us if you would like to receive any of our brochures.

You are also welcome to read or download them as PDF files at www.brunvoll.no

THRUSTER RANGE

Thruster Systems for any kind of ship



CONTROL SYSTEMS

BruCon from Blade to Bridge
The Modular Control System for Manoeuvring, Positioning and Propulsion

SERVICE

Renowned for Efficient and Reliable Service world wide

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Trusted by the most demanding Fishermen and Researchers

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Trusted in the Merchant Fleet for 50 years

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Trusted for shock qualified naval thruster solutions worldwide

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Trusted world wide for reliability and high performance in any offshore application

YACHTS

Superb thrusters for superyachts



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