

B L U E N A V

— ARCACHON —



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BlueNav's Vision



Our Origins

BlueNav was born in Arcachon, inspired by the fragile beauty of the Bay. Our conviction is simple: preserve this unique environment while keeping the freedom of navigation intact.

Experts in Smart Navigation

Our expertise focuses on maneuvers and low speeds, moments that represent nearly 30% of total time at sea. These phases, such as port entries and exits, or delicate approaches, demand precision, safety, and fluidity; which we reinvent thanks to our innovative technology.

A Redefined Experience

BlueNav enhances every moment on the water: easy docking, smooth and silent cruising, and total peace of mind. Designed as a complementary propulsion system, a true backup at sea, it works alongside the main combustion or electric engine to ensure safety, precision, and freedom. Enjoy an intuitive, stress-free experience at all times, and freely access protected areas. Navigate differently, in harmony with nature.

Our Team

At BlueNav, we are a crew of passionate innovators united by a single mission: protect our oceans and make navigation simpler and smarter.

From engineers and designers to marketers and customer experts, our team brings together diverse expertise in hardware, software, and user experience. Each of us shares the same belief: technology should serve the boater, not the other way around.

Proudly based on the Arcachon Bay in France, we design, develop, and manufacture all our products locally. Responsible sourcing is at the core of our process: more than 30% of our motors' value comes from our regional suppliers and 98% within Europe, reducing transport footprint and supporting local ecosystems. This hands-on approach ensures uncompromising quality, seamless integration, and authentic French craftsmanship.

Every detail, from our advanced electric propulsion systems to our intuitive navigation software, is conceived with one goal in mind: to deliver a simple, enjoyable, and environmentally responsible experience on the water.



Empower your journey with BlueNav



Fuel savings & reduced emissions

Mono vs Twin combustion configuration

Choosing a single combustion engine combined with electric propulsion enables a 20–40% reduction in emissions and fuel consumption.

Low-Speed electrification (10–30% of usage)

Switching to electric power for low-speed operations cuts emissions by an additional 5–15% while also reducing maintenance costs.

Enhanced safety & lower risk at sea

“Back-Home” security

Our hybrid architecture ensures a safe return in the event of combustion engine failure, a major advantage considering that two-thirds of life savers at sea interventions are engine-related. This reduces emergency risks and related costs.

Superior maneuverability & lower damage costs

Smart Navigation features drastically reduce docking errors, resulting in lower repair expenses and potential insurance savings.

Access to Marine Protected Areas

Electric low-speed navigation opens access to MPAs and restricted zones, offering boaters exclusive, high-value experiences in preserved environments.



Financial advantages & public incentives

Electric and hybrid systems can help lower or eliminate certain environmental taxes, while also making your vessel eligible for decarbonization grants and subsidy programs.

These financial incentives significantly accelerate the return on investment of the hybridization.



BlueNav x Professionals: happier customers & healthier crews

Delivering a smoother, quieter and more controlled navigation experience directly benefits tourism and charter professionals. Electric low-speed operation enhances customer satisfaction and opens new commercial opportunities, while also improving working conditions for the crew.

Benefits for your business:

- Higher occupancy rates
- Premium, memorable on-water experiences
- New services such as sunset or aperitif cruises
- Increased revenue and new income streams

Benefits for your crew:

- Reduced stress during low-speed or patrol phases
- Less noise and vibration
- Lower physical fatigue and improved well-being
- A more comfortable and sustainable working environment

The BlueNav Solution

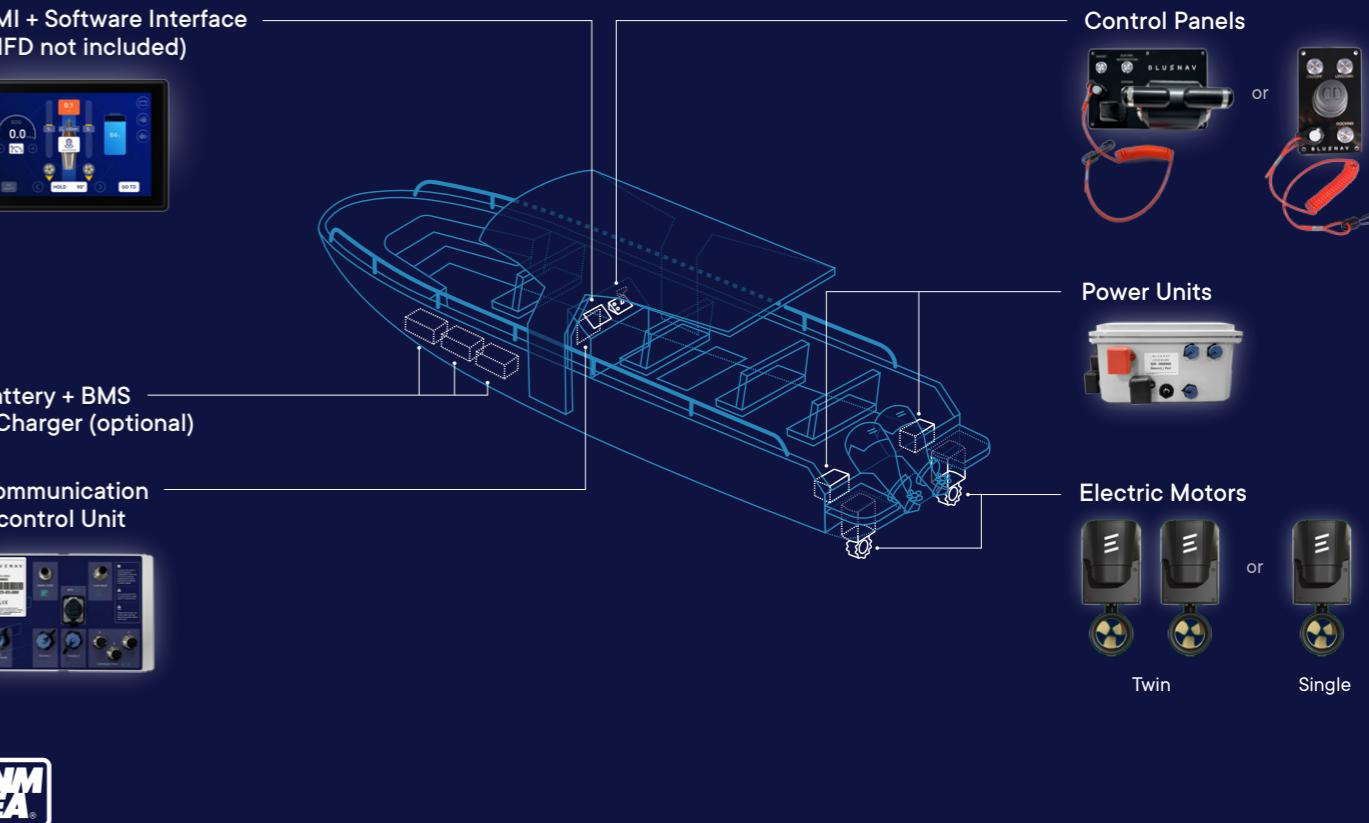
A new standard in Smart Navigation

Designed for motorboats up to 18 tons, our solution embodies the perfect blend of cutting-edge innovation and elegance at sea.

Unique on the market, BlueNav integrates intelligent piloting software offering more Autopilot, Docking and Positioning options than any other system, an ultra-intuitive joystick for instant control and a retractable electric motor preserving the performance of the primary motorization.

While navigating at low speeds (0-5 knots), boaters experience something truly incomparable: absolute silence, outstanding maneuverability, and advanced navigation assistance.

Thanks to intelligent connectivity and proactive support, BlueNav guarantees a seamless and consistently optimized navigation experience.



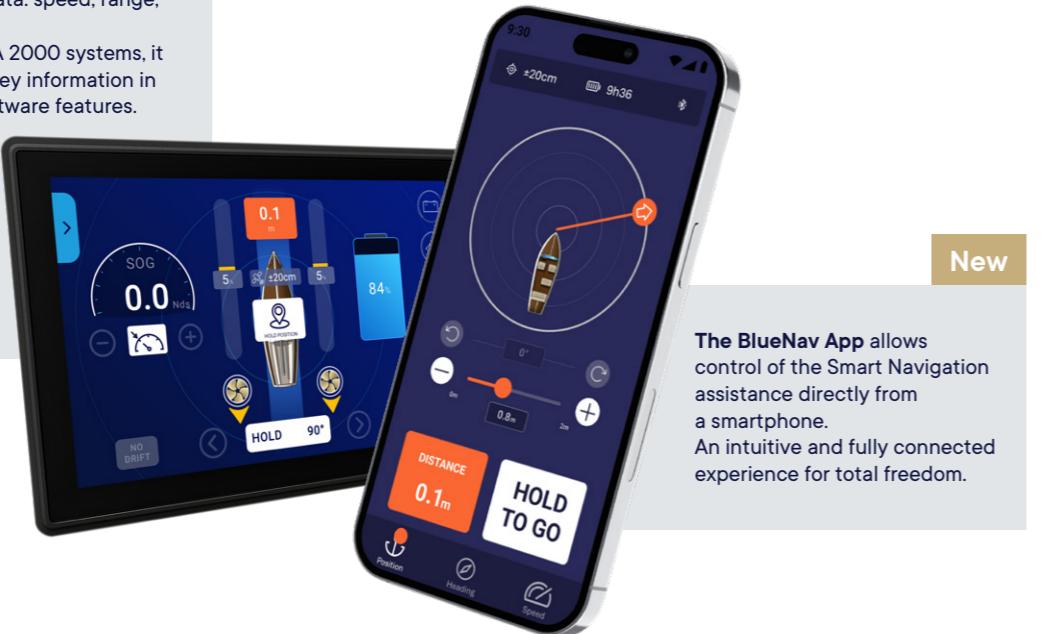
Software

Boating freedom at the fingertips

The **BlueNav interface**, installed on the multifunction display, centralizes all the essential data: speed, range, battery status and motor power.

Thanks to its compatibility with NMEA 2000 systems, it simplifies navigation by grouping all key information in one place and enables one-touch software features.

SIMRAD **GARMIN**
FURUNO **B&G**
Raymarine **LOWRANCE**



Software features

POSITIONING



Dynamic Positioning System*
Only available with twin motors



Drift Lock*

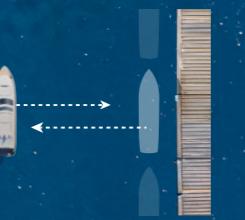


DOCKING

360° Docking



Lateral Docking*
Only available with twin motors



AUTOPILOT

Speed Regulator



Heading Hold



Course Hold

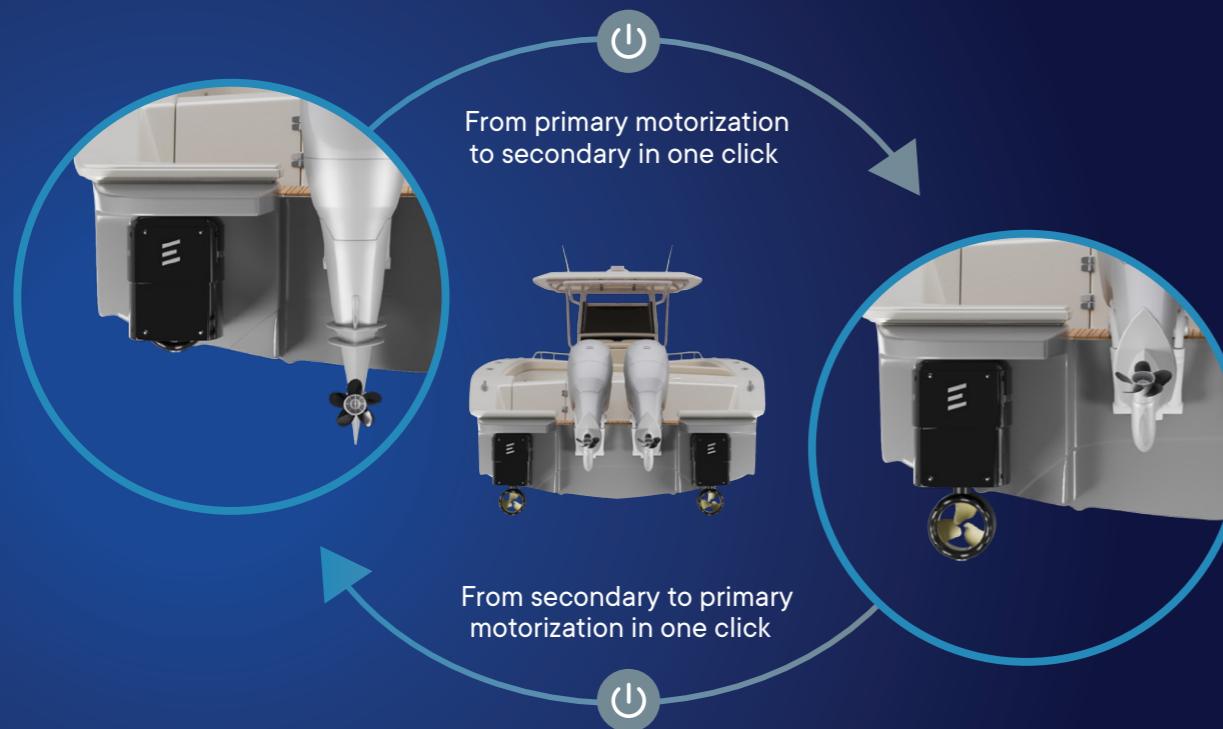


Waypoint Tracking



* Free for the first year – contact our sales team for subscription pricing.

Hardware



Key Features



Powered by
RIM DRIVE TECHNOLOGY or B L U E N A V

Turbine

A hubless permanent-magnet motor providing high thrust for ultra-reactivity and intuitive control, 8 kW and 15 kW available with RDT turbine and 11 kW with the new BlueNav-designed turbine.



Retractability

Our motors' retractability allows seamless transition from primary to secondary propulsion at the touch of a button. Retract the thruster for drag-free cruising.



360° Propulsion

Exceptional maneuverability, rotate 360° on the spot and move precisely in any direction.



Whale Design Fins

Specially designed by our engineers to optimize propulsion efficiency and energy consumption.



Control Panels

The standard panel includes throttle levers. The joystick panel allows fingertip steering and propulsion control with buttons for Heading Hold, Course Hold, and RPM Hold.



Standard 230V Charging

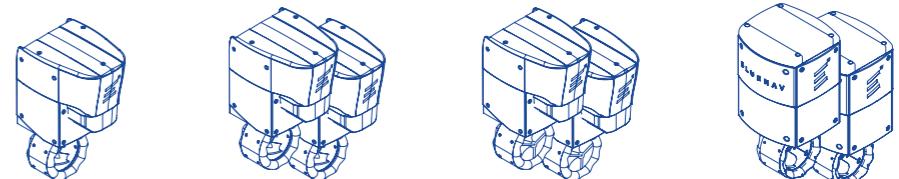
Batteries can be charged from any dock outlet. BlueNav systems operate at 48V to ensure safety.

Range of Motors

Choose a single or twin-motor setup
— adaptable to all types of boats.



BlueNav's most popular configurations



	Outboard 8 kW	Outboard 8 kW x2	Outboard 11 kW x2	Outboard 15 kW x2
Power	8 kW	16 kW	22 kW	30 kW
Thrust*	110 kg	220 kg	310 kg	420 kg
Max boat weight	Up to 4 tons	Up to 8 tons	Up to 12 tons	Up to 18 tons
Recommended battery pack	6 - 15 kWh	12 - 30 kWh	20 - 42 kWh	20 - 45 kWh

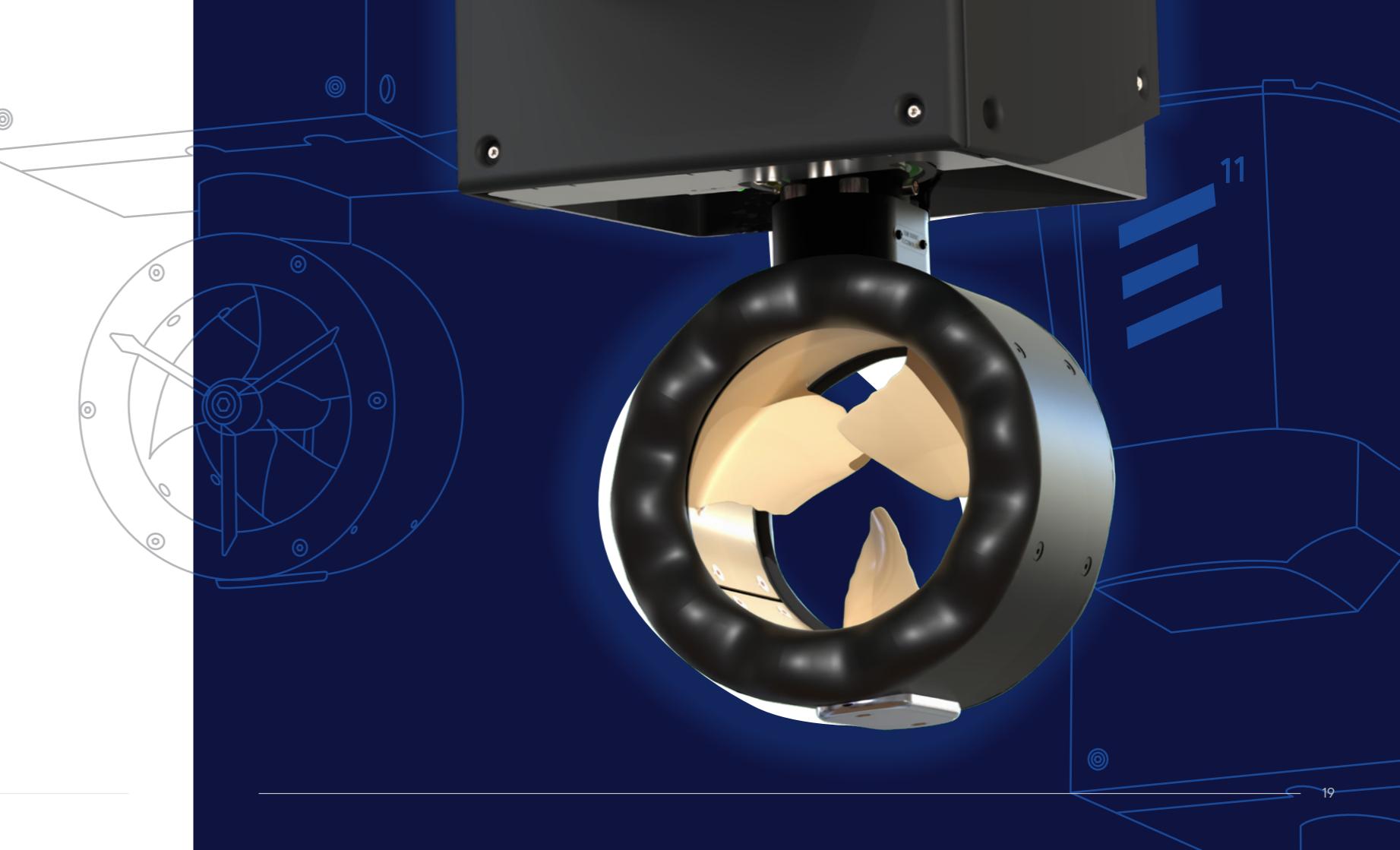
*Bollard pull

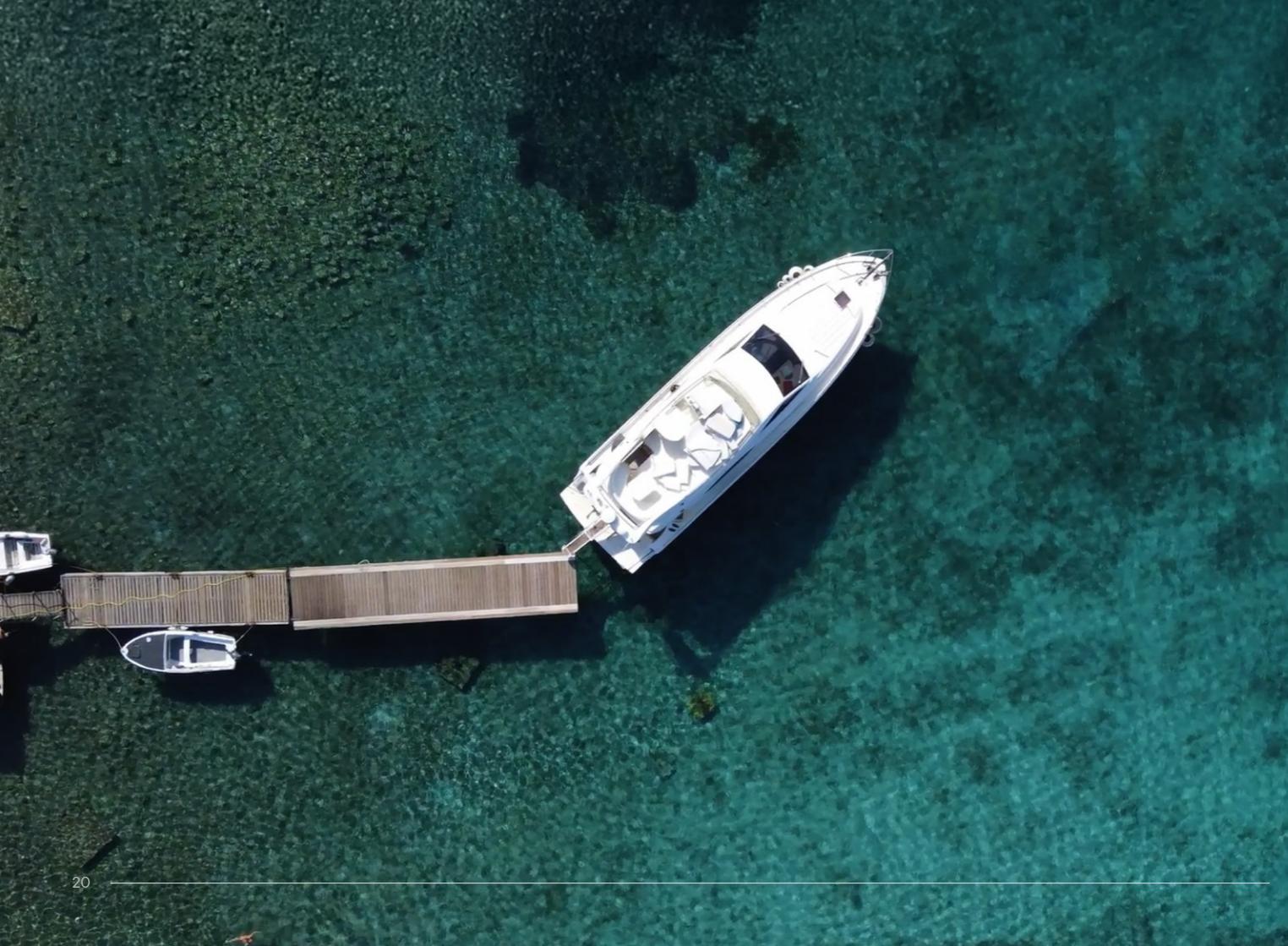
Introducing the 11 kW Outboard Powered by the New BlueNav Turbine

Our new 11 kW Outboard expands the BlueNav range, keeping a compact footprint while delivering a higher power level with enhanced thrust, precision and control.

This model is equipped with our new in-house BlueNav turbine, engineered for improved efficiency and reduced cavitation, ensuring smoother operation and better performance at all speeds.

The 11 kW gives BlueNav a true mid-range option that opens the door to new types of boats and applications. Available in both single and twin configurations, it expands our ecosystem and bridges the gap between compact 8 kW systems and higher-power needs, offering a reliable and high-quality solution for a wider range of vessels.





New

Precision+ GPS

Guided by accuracy

The most precise GPS in its category.

BlueNav Precision+ GPS brings cutting-edge satellite technology to boating, delivering remarkable 20 cm accuracy. Designed for seamless integration and control, it keeps the boat exactly in place, whether mooring, docking, or simply enjoying the moment.



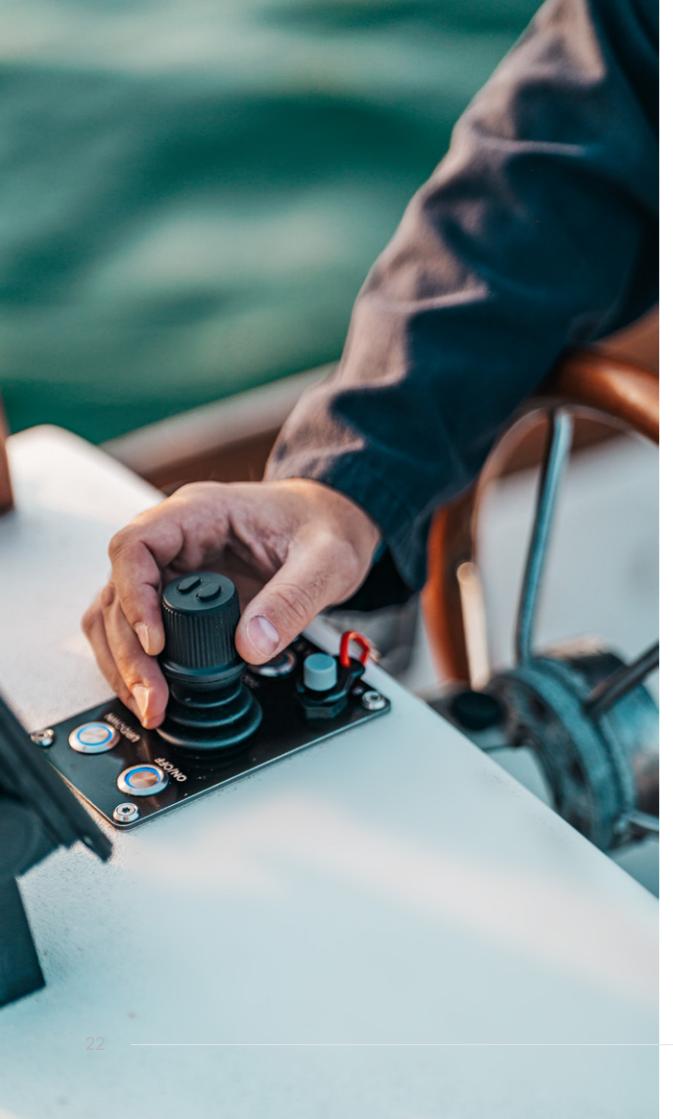
20 cm accuracy
GPS Point



Seamless integration
Fully compatible with NMEA 2000 systems.

Best-in-class accuracy
Powered by European Galileo HAS real-time corrections.

Easy mooring
When paired with BlueNav's solution, activate the Virtual Anchor to stay still and moor smoothly.



3D Joystick

Intuitive by Design

Discover a new way to navigate with the 3D Joystick, offering revolutionary fingertip control. Real-time precision simplifies every maneuver and transforms navigation into a smooth, natural experience, even for new boaters.

With instant responsiveness, every movement results in precise, effortless adjustments for total control. Compatible with all BlueNav configurations as an option, the system adapts to any boat and multiplies its capabilities.



Whale Design Fins

Power inspired by Nature

BlueNav's Whale Design propellers draw inspiration from the grace and power of whales.

Through biomimicry of cetacean fins, our engineers have optimized hydrodynamics to achieve exceptional thrust and maximum efficiency in all conditions.

With the new V2 Whale Design fins, we further enhanced the efficiency of our Smart Navigation solutions, especially for Lateral Docking and 360° Docking maneuvers.

Delivering up to +30% forward thrust and +107% reverse thrust, the Whale Design propellers offer unmatched maneuverability and responsiveness: a perfect balance of power, silence, and environmental harmony.

Use cases

Choose your setup. Know your range.

Each BlueNav configuration unlocks a unique combination of maneuverability and autonomy.

The table below helps you envision how each setup performs on the water and the duration it can sustain each activity.



Consumption Batteries
2 x 3,4 kWh 2 x 6,8 kWh

Maneuvers 1 to 2 kW 40min 40min

70% rpm 2 kW 1h 4h

Virtual Anchor 0,2 to 0,4 kW 4h 10h

Full power navigation 8 kW 5min 5min



Consumption Batteries
3 x 6,8 kWh 4 x 6,8 kWh

Maneuvers 1 to 2 kW 40min 40min

70% rpm 2 kW 3h 4h

Virtual Anchor 0,2 to 0,4 kW 8h 12h

Full power navigation 16 kW 5min 5min



Consumption Batteries
3 x 6,8 kWh 4 x 7,8 kWh

Maneuvers 1 to 2 kW 40min 40min

70% rpm 3 kW 2h 3h30

Virtual Anchor 0,2 to 0,4 kW 8h 10h

Full power navigation 22 kW 5min 5min



Consumption Batteries
4 x 7,8 kWh 6 x 7,8 kWh

Maneuvers 1 to 2 kW 40min 40min

70% rpm 5 kW 2h 3h30

Virtual Anchor 0,2 to 0,4 kW 10h 10h

Full power navigation 30 kW 5min 5min

They've Gone Blue

BlueNav has equipped a wide variety of vessels: motor catamarans, RIBs, dayboats, cabin cruisers, commercial vessels, and houseboats.



DAILY CRUISE
Sunmare 50

Outboard 15 kW x2
Length 15m / Weight 14t



WHALE WATCHING
Narwahl 1000

Outboard 15 kW x2
Length 10m / Weight 1.7t



DAY BOAT
Targa 46

Outboard 15 kW x2
Length 14m / Weight 11t



DIVING BOAT
Moggaro 1 & 2

Outboard 15 kW x2
Length 15m / Weight 15t



DAILY CRUISE
Bateau Français

Inboard 15 kW x2
Length 10m / Weight 9t



DAYBOAT
Nantucket

Outboard 8 kW x2
Length 7m / Weight 2.5t



SUPERYACHT TENDER
Iguana Sport

Inboard 15 kW x1
Length 9m / Weight 4t



HOUSEBOAT
La Mare Apart L

Outboard 8 kW x2
Length 11.3m / Weight 7t



SLOEP
Aluship TNDR 670

Outboard 8 kW x2
Length 6.7m / Weight 1.2t

Customer Testimonial

Boat Identity

Client

Batopei

Location

Reunion Island

Activity

Whale Watching

Mission

Respect marine wildlife by reducing noise, vibration, and pollution.

Installed Configuration

Outboard motors

15 kW x2

Battery capacity

28 kWh

Usage and Performance Metrics

Per day

4 x 2 hours

Energy use

40% electric / 60% combustion

Capacity used per trip

12-20% of total battery

“The electric mode offers maneuverability in complete silence, allowing us to observe marine mammals without disturbing their natural behavior.”

— Josias, owner of Batopei



WHY OUR SYSTEM IS PERFECTLY SUITED

- Environmental Protection: more respectful wildlife observation and reduced emissions.
- Hybrid Navigation: Switch between electric and combustion in seconds.
- Energy Efficiency: Low energy consumption in electric mode.



Contact

BlueNav

80 avenue du Général Leclerc
Pôle Nautique de la Pointe
33260 La Teste-de-Buch
FRANCE

www.bluenav.com
+33 (0)5 56 83 70 25

Sales

sales@bluenav.com

Customer Support

support@bluenav.com

Marketing

marketing@bluenav.com



Scan for more information





BLUΞNAV



de stille boot

info@destilleboot.nl - (0515) 444 428 - It Butlan 9 8621 DV Heeg, The Netherlands