

BLU \equiv NAV

Hybrid electric & connected
motorizations for boats



Summary

Our vision p4

About us p6

Our technology p8

Smart navigation p10

E-Hybrid range p 12

BlueSpin Outboard p 14

BlueSpin Inhull p 16

BlueSpin Stationary p 18

Full Electric range p 20

BlueDrive p 22

BlueSail p 24

Engineering office p 26

Contact p 28

Our vision

0 noise
vibration
emissions

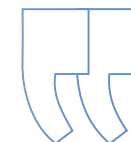
Forging the Future of Mobility

As the energy transition accelerates in the automotive world, the commitment to sustainability in the marine industry is just setting sail.

Recognizing the impossible batteries challenge for immediate widespread adoption of electric mobility, **BlueNav has focused on bringing today's mobility to life by developing alternative solutions with hybrid propulsion.** Designed for boaters and professional vessels, BlueNav engines allow any type of boat to be converted into a hybrid electric vessel, **today.**

Navigating the energy transition with you

Our engineers have risen to the challenge of embracing the energy transition by envisioning **a comprehensive ecosystem centered around clean energy and propulsion.** This innovative mobility in the boating world combines performance, comfort, and environmental responsibility.



We bring **a concrete response to the energy transition challenges** in the boating industry by offering an alternative solution through hybridization.

Hervé FROUIN
CEO



About us

Our essential purpose is to passionately support sustainable navigation, empowering individuals to experience pure bliss and forge an intimate connection with nature. It is our deep-rooted commitment that legitimizes our mission and feeds our unwavering dedication to your satisfaction.



Your Passion mirrored in our Mission

BlueNav offers an unparalleled navigation experience combining sensory pleasure with the modernity of connected propulsion. Navigating has never been so intuitive and user-friendly.

As an expert in onboard marine technologies, **BlueNav found its inspiration at the core of navigators' concerns**, giving rise to this ambitious project: tackling the challenge of sustainable mobility at sea.



We understand that **the experience of navigation is not only about the destination but also about the journey itself**. We strive to create an immersive voyage that goes beyond mere transportation.

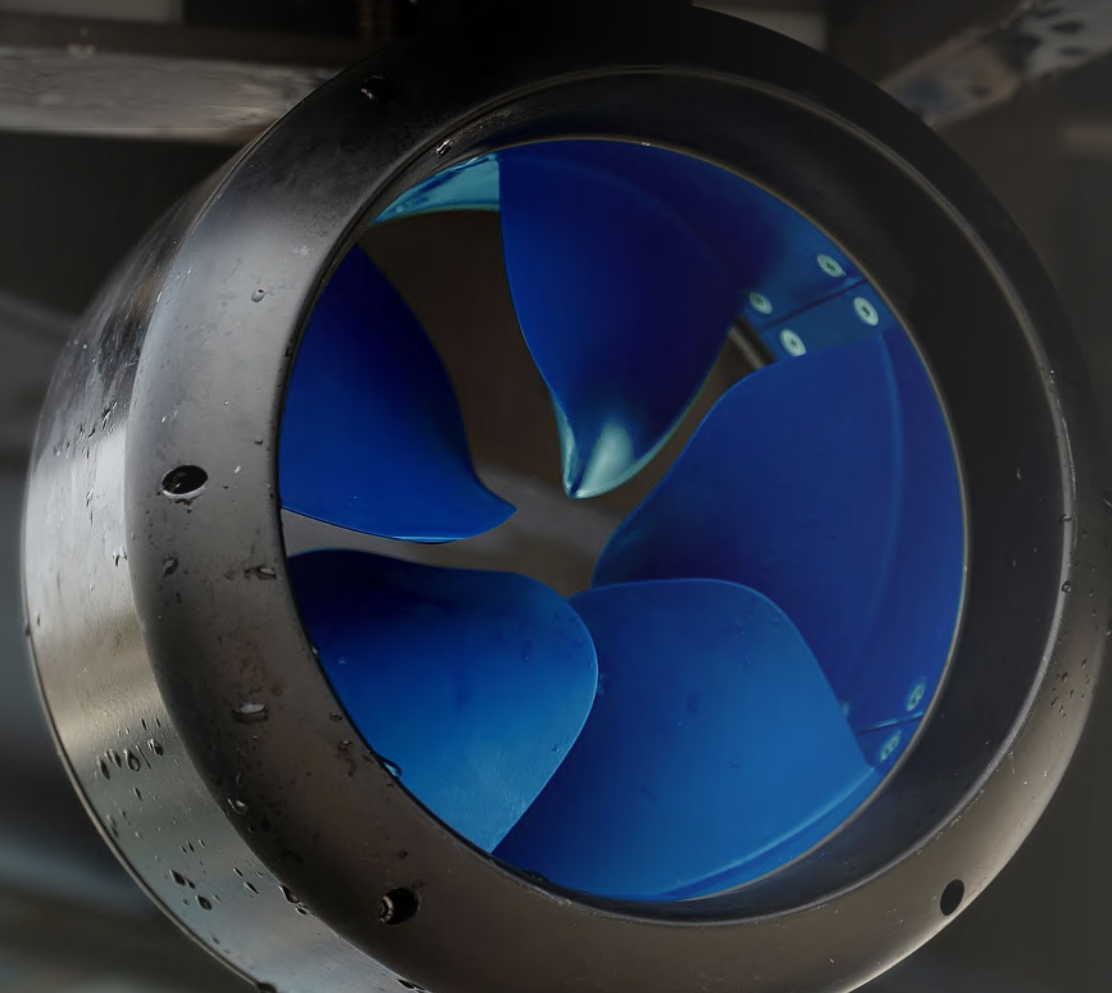
Our passion drives us to **provide sailors with means that align with their values and aspirations**. With their satisfaction as our guiding principle, we are dedicated to ensuring that every navigation moment is filled with serenity.

Mathilde GOMBEAUD
Managing director



Our cutting-edge technology

In pursuit of excellence, BlueNav drew inspiration from the best practices in the industry. Specifically, it found inspiration from the underwater industry, which values both performance and discretion. BlueNav has developed cutting-edge hubless drive propulsion systems tailored for the yachting sector.



Hubless Drive: a Revolution in Propulsion

A hubless drive engine is a ring-shaped motor that transmits its motion to the propeller through magnetic means. This method of magnetic motion transmission offers numerous advantages:

Increased efficiency

The magnetic transmission of motion minimizes mechanical friction, resulting in improved energy efficiency and reduced power losses.

Reduced maintenance

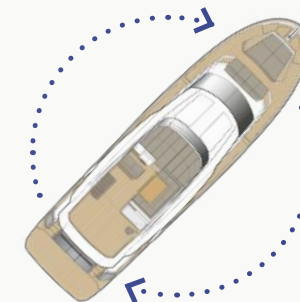
With fewer mechanical components subject to wear and tear, the ring motor requires less maintenance and has a longer lifespan compared to traditional propulsion systems.

Silent operation

The absence of physical contact between components reduces noise and vibration, providing a quieter and more comfortable boating experience.

Compact design

The annular shape allows for a compact and space-efficient design, maximizing the available space on the vessel.



360° thrusting

The responsiveness of the ProPoupe system developed by BlueNav enables smoother and more precise maneuvering of the boat, enhancing overall handling and navigation.

Smart navigation

Navigation is about adapting to surrounding elements -the wind, current, and drift- all of which are energy-consuming factors. By choosing to navigate with BlueNav, the user benefits from an integrated solution and a wealth of connected services.

Integrated HMI solution

BlueNav's electric navigation solutions come equipped with an **intelligent eco-piloting interface** that guides users in their maritime journey.

The **Human-Machine Interface (HMI)** analyzes real-time data such as current, position, and speed, offering the pilot insights on energy consumption and tips for performance optimization.

Upcoming navigation services

New **navigation services** will be released for the user:



Autopilot

Maintain your course effortlessly while fully immersing yourself in the present moment.



Autonomous navigation

This mode makes informed steering decisions based on real-time environmental and underwater topographical analysis.



Virtual anchor (DPS)

Securely hold your boat in position using GPS with a single click, without damaging the seafloor.



Fishing assistance (DVS)

Drift fish while keeping a steady course on desired water depths.





E-Hybrid journey











BlueNav is dedicated to bringing the future of mobility to life right now, introducing an exciting solution for a seamless and hopeful transition. Together, we are charting a new course towards a brighter future of seafaring.



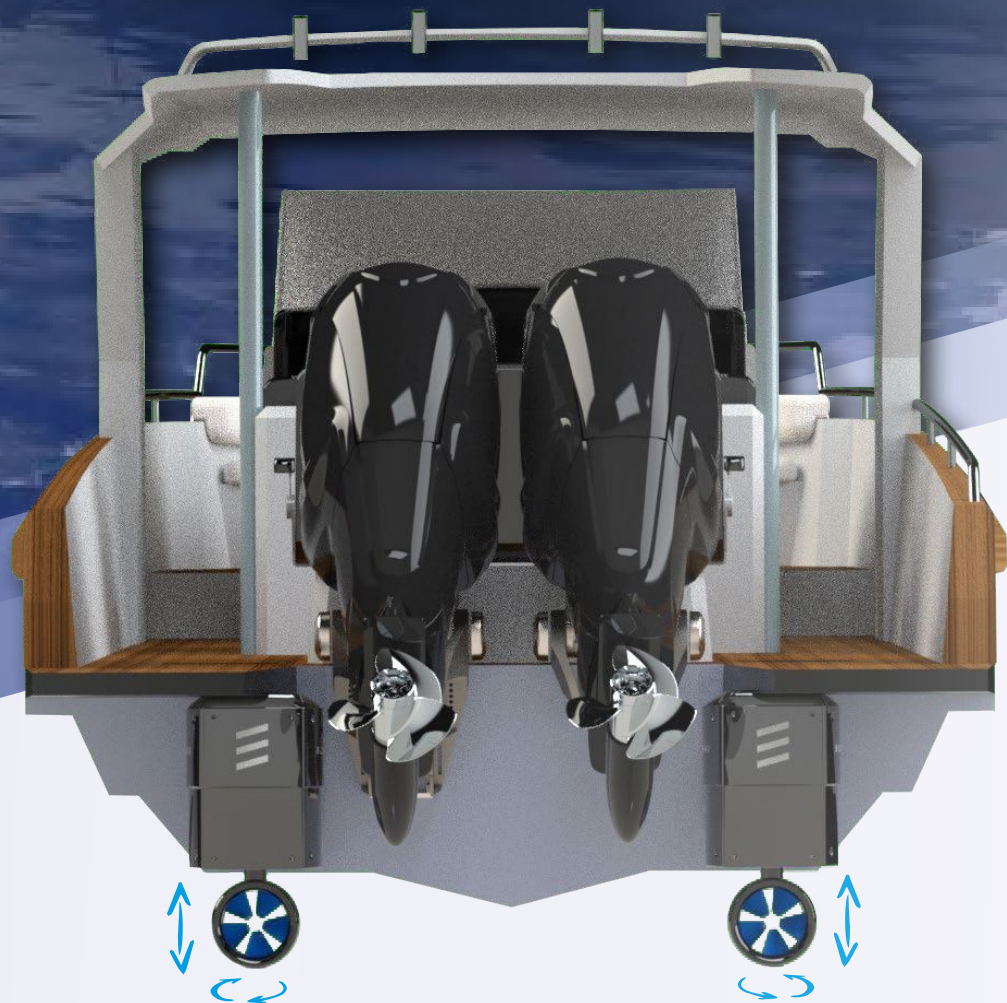
E-Hybrid range

The BlueSpin electric hybrid engine range has been designed to **bridge the gap between the world of traditional combustion engines and electric power**. Now, users can enjoy the best of both worlds, creating a **customized and optimized navigation experience**.

BlueSpin engines effortlessly integrate with diverse types of boats, whether they're newbuilds or undergoing refit. In most cases, installation requires no alteration to the existing propulsion system or the boat's structure, providing **hassle-free transition to electric power** by a professional.

 BlueSpin	Outboard	Inhull	Stationary
360° electric thrust 	✓	✓	✓
Connected interface (HMI) 	✓	✓	✓
Retractable turbine 	✓	✓	✗
Controller 	✓	✓	✓
Charging point 230V 	✓	✓	✓
Newbuild or refit 	✓	✓	✓
No structural modification 	✓	✗	✓
Easy to install 	✓	✓	✓
Low maintenance 	✓	✓	✓

Outboard



BlueSpin Outboard

BlueSpin Outboard is designed to attach to the transom of a boat and requires no structural modification. Its retractability allows to preserve the original performance of the boat when operating in combustion engine mode.

Motorization

- 360° electric thrust
- Retractable turbine
- Smart energy control (HMI)
- Controller
- Standard socket charging (230V)
- Low maintenance

Integration

- Newbuild or refit
- No structural modification
- Easy to install

Power

8 kW - 11hp	Coming soon						
15 kW - 25hp	48V	70Kg	895	465	445	565	290
	VOLTAGE	WEIGHT	A	B	C	D	E
30 kW - 40hp	Coming soon						

E-HYBRID



Demo

Inboard



BlueSpin Inhull

BlueSpin Inhull is designed to integrate inside the hull of a boat.

Motorization

- 360° electric thrust
- Retractable turbine
- Smart energy control (HMI)
- Controller
- Standard socket charging (230V)
- Low maintenance

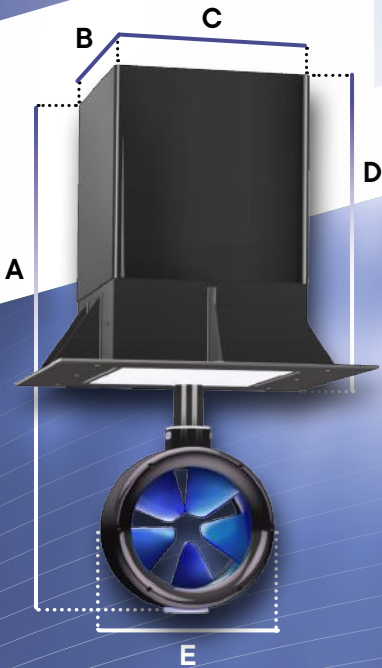
Integration

- Newbuild or refit
- Easy to install

Power

8 kW - 11hp	Coming soon						
15 kW - 25hp	48V	65Kg	995	494	388	575	290
	VOLTAGE	WEIGHT	A	B	C	D	E
30 kW - 40hp	Coming soon						

E-HYBRID



Stationary



BlueSpin Stationary

BlueSpin Stationary is designed to be mounted under the hull of a boat, and its installation requires no structural modification.

Motorization

- 360° electric thrust
- Smart energy control (HMI)
- Low maintenance
- Controller
- Standard socket charging (230V)

Integration

- Newbuild or refit
- No structural modification
- Easy to install

Power

8 kW - 11hp

Coming soon

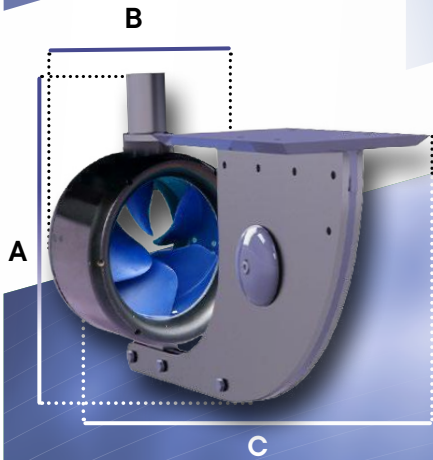
15 kW - 25hp

48V	45Kg	650	290	720
VOLTAGE	WEIGHT	A	B	C

30 kW - 40hp

Coming soon

E-HYBRID



Full Electric

In its journey towards emission-free navigation, BlueNav also provides comprehensive electric and interconnected propulsion solutions.



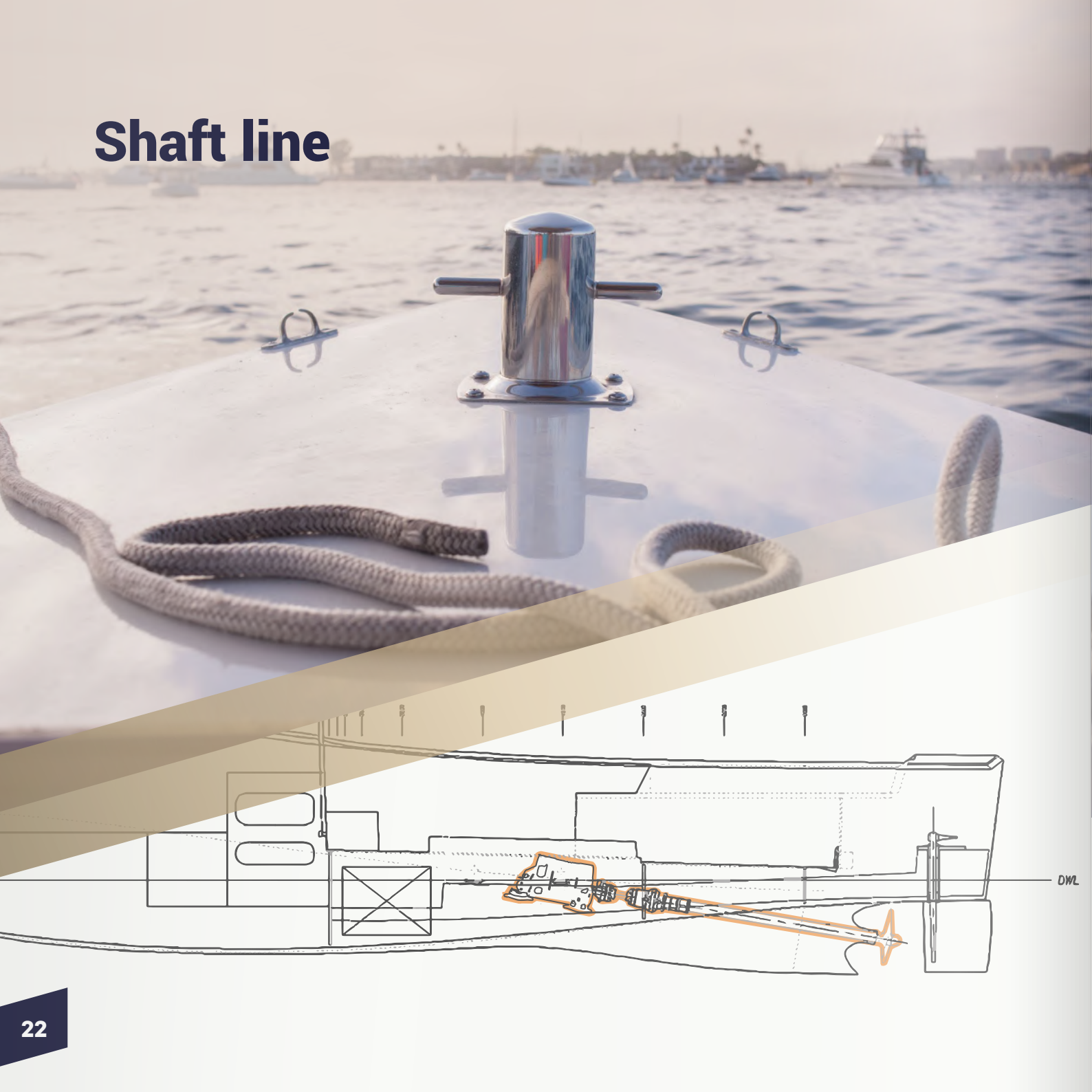
Full Electric range

Noise has always been a major nuisance in navigation, as sailing enthusiasts can attest. The noise, odors, and vibrations are all factors that compromise the quest for tranquility and connection with nature.

With BlueNav's comprehensive full electric propulsion systems, it becomes feasible to **sail in complete harmony with the environment**, overcoming these obstacles and allowing for an undisturbed and serene maritime experience

	≡ BlueDrive	≡ BlueSail
Electric propulsion ⚡	✓	✓
Connected interface (HMI) 📶	✓	✓
Controller 🧑‍🔧	✓	✓
Charging point 230V 🔌	✓	✓
Newbuild or refit 🏗️	✓	✓
No structural modification ⚙️	✓	✓
Low maintenance ✅	✓	✓

Shaft line



BlueDrive

BlueDrive is designed to replace a traditional combustion engine installed on a shaft line.

Motorization

- ⚡ Electric propulsion
- 📶 Smart energy control (HMI)
- 👤 Controller
- 🔌 Standard socket charging (230V)
- ✅ Low maintenance

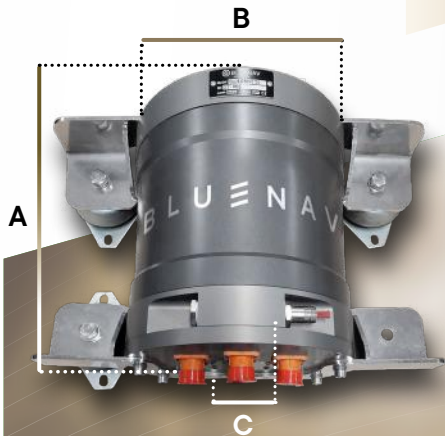
Integration

- 🚢 Newbuild or refit
- ⚙️ No structural modification

Power

17 kW - 27hp	48V	35Kg	388	260	260
	VOLTAGE	WEIGHT	A	B	C
27 kW - 36hp	96V	47Kg	431	260	260
	VOLTAGE	WEIGHT	A	B	C

FULL
ELECTRIC



Sail drive



BlueSail

BlueSail is designed to replace a traditional saildrive combustion engine installed on a sailboat.

Motorization

- ⚡ Electric propulsion
- 📶 Smart energy control (HMI)
- 👤 Controller
- 🔌 Standard socket charging (230V)
- ✅ Low maintenance

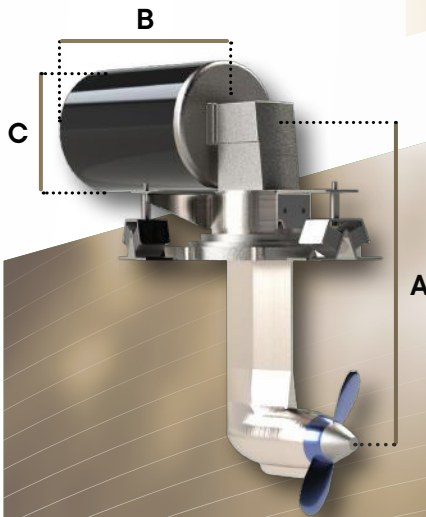
Integration

- 🚢 Newbuild or refit
- ⚙️ No structural modification

Puissance

17 kW - 27hp	48V	68Kg	560	388	260
	VOLTAGE	WEIGHT	A	B	C
27 kW - 36hp	96V	85Kg	588	431	260
	VOLTAGE	WEIGHT	A	B	C

FULL
ELECTRIC



Engineering office



Listening to your projects

The engineers in our design office provide practical solutions for your boat hybridization or electrification projects. As part of a structured quality approach, a dedicated team accompanies and advises you throughout the process:

- Understanding your needs
- Designing the specifications
- Providing assistance with installation and commissioning

Once the solution is operational, our technical support is ready to assist you with maintenance and support.

Ensuring your satisfaction

Your satisfaction is our top priority. Our dedicated team is fully committed to providing you with prompt and efficient support, ensuring your needs are met effectively.

Together, Let's Go Further.

Experience tailored assistance and the comfort of a dedicated contact to support your successful journey.

Besides the available technical documentation, we organize customized training sessions to deepen your product understanding and sharpen your sales and technical skills.



Contact

FINLAND

ITALY

UNITED KINGDOM

UNITED ARAB EMIRATES

SPAIN

FRANCE

NETHERLAND

UNITED STATES

POLAND

SWITZERLAND

TURKEY

BRAZIL

A global network

BlueNav's expertise shines internationally through an established network of integrators, shipyards, and distributors.

Contact

Sales department

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News

Find all the latest BlueNav news on our website or social media channels:

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BLUENAV



Embrace a slower pace, to sail with purpose. By reducing our speed and hushing the noise of our engines, we intertwine with the world around us. The pleasure we derive is no longer solely about individual power, but a harmonious symphony of interconnected elements.

With BlueSpin, we unlock a sense of freedom and inner serenity that defies description. To navigate is to reconnect with oneself.

Mathilde GOMBEAUD
Managing director





www.bluenav.com

