



Integr^{el}
solutions

NAVICO
GROUP

INTEGRAL E-POWER



CLEANER SAILING FROM NAVICO GROUP & INTEGREL

A shared mission to accelerate the marine industry towards sustainable power generation gives customers the option to remove the polluting fossil fuelled generator without sacrificing on-board luxuries.

Founded in 2003, Triskel Marine (trading as Integrel Solutions) has spent 20 years researching and developing efficient power generation and storage technologies for the marine world.

Over the last 20 years, Navico Group have brought together the world's most trusted brands, offering decades of experience designing and developing state of the art technology and intuitive systems.

The Integrel system delivers unprecedented power generation intelligently stored in 48V Mastervolt batteries. Fathom from Navico, offers the user advanced digital controls on demand with seamless integration.

Marine power generation and control for the 21st century.



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FATHOM[®]
e-power system

NAVICO
GROUP



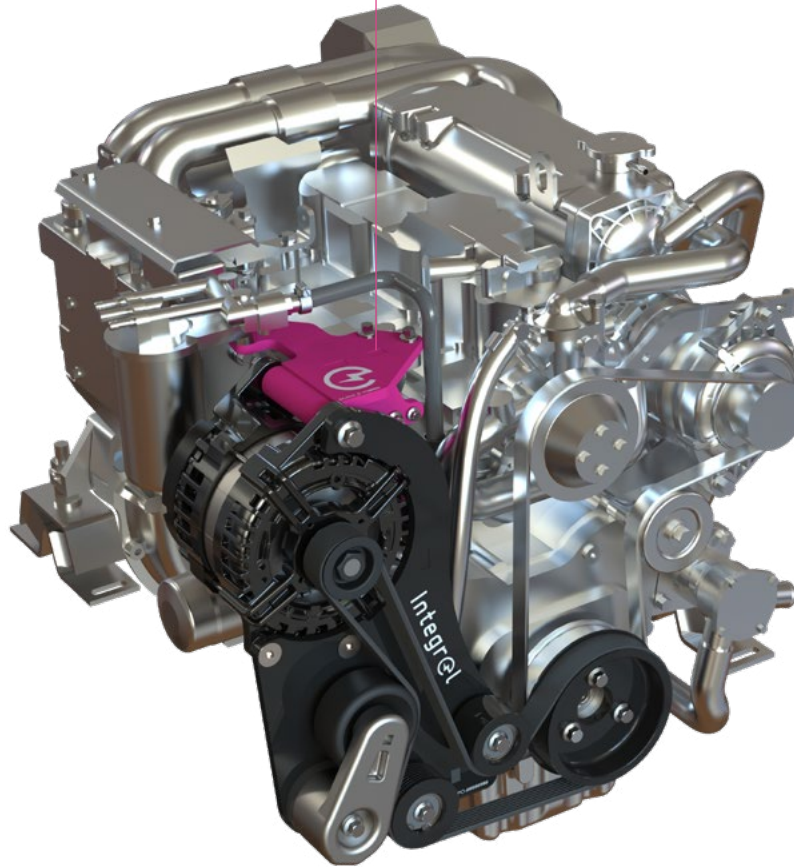
INTEGREL E-POWER 9 SE

COMPATIBLE WITH

YANMAR | VOLVO | NANNI | BETA | VETUS

The INTEGREL E-POWER 9 SE, designed for single engine monohull applications, delivers up to 9 kW of energy generation, intelligently stored in 48V Mastervolt batteries. Integrel monitors throttle input, so that in the event full engine power is needed for propulsion, the system instantly powers down. As soon as stable engine RPM is restored, Integrel resumes full power generation.

Integrel E-power 9 SE power generation technology makes fossil fuelled generators obsolete. Tranquil evenings at anchor are no longer ruined by the noise, vibration and smell of a polluting generator.



— ON ENGINE GENERATOR (OEG) AND MOUNTING BRACKETS

Mounted on the front of the engine, this generates the power at 48V.

— 1X INTELLIGENT CONTROLLER

Manages OEG performance, ensuring the engine is never overloaded.

— 1X INTEGREL SCREEN

Allows you to view data from the OEG, the engine and the batteries.

— 1X SMART SWITCH

A dedicated safety switch that constantly monitors key parameters to ensure that no safety limits are breached.

— 1X BANK SENSOR

Monitors the battery state of charge and energy production.

— WIRING LOOMS

Transports the power and data to the components.

— FULLY TESTED IN HOUSE

Every component tested and configured to your boat.

9 kW

OF POWER

25%

FUEL SAVING

40

KILOGRAMS

100%

AUTOMATIC

48

VOLTS

ZERO

MAINTENANCE



— 2X ON ENGINE GENERATOR (OEG)
AND MOUNTING BRACKET

Mounted on the front of the engine, this generates the power at 48V.

— 2X INTELLIGENT CONTROLLER

Manages OEG performance, ensuring the engine is never overloaded.

— 1X INTEGREL SCREEN

Allows you to view data from the OEG, the engine and the batteries.

— 1X SMART SWITCH

A dedicated safety switch that constantly monitors key parameters to ensure that no safety limits are breached.

— 2X BANK SENSOR

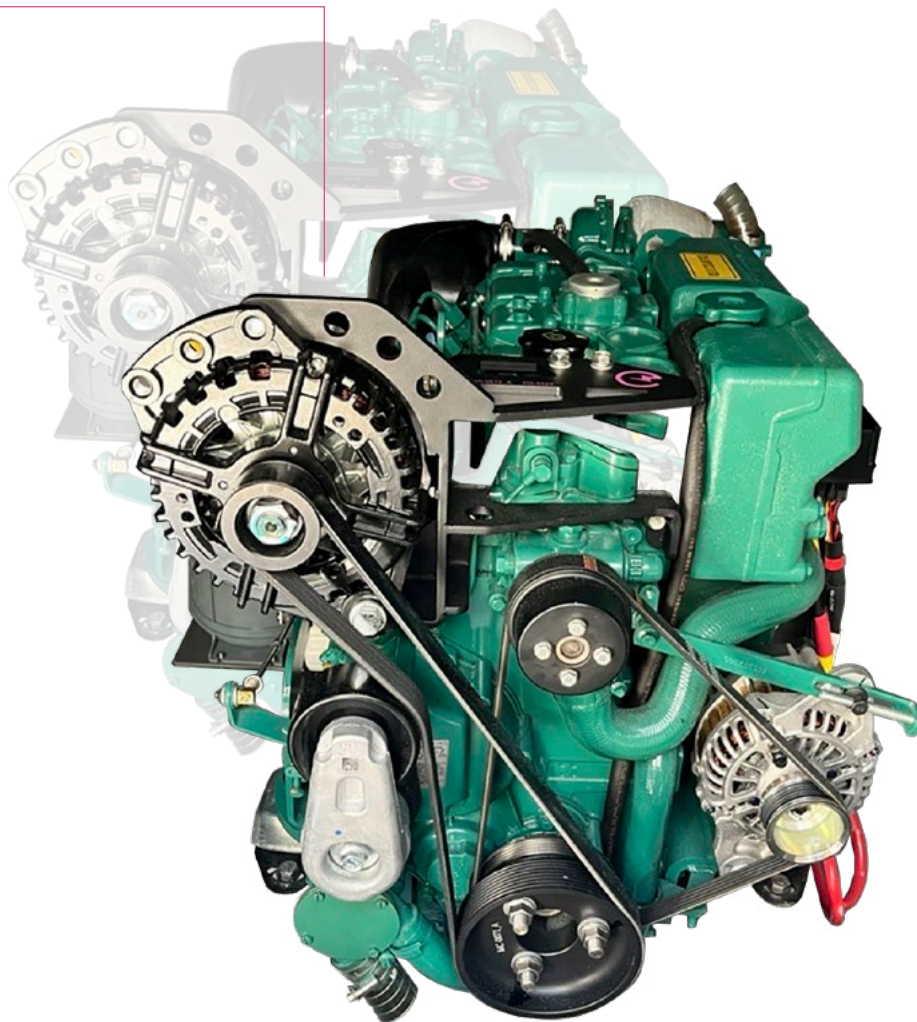
Monitors the battery state of charge and energy production.

— WIRING LOOMS

Transports the power and data to the components.

— FULLY TESTED IN HOUSE

Every component tested and configured to your boat.



INTEGREL E-POWER 18 DE

COMPATIBLE WITH

YANMAR | VOLVO | NANNI | BETA | VETUS

The INTEGREL E-POWER 18 DE delivers up to 18 kW of energy generation, intelligently stored in 48V Mastervolt batteries. Integrel monitors throttle input, so that in the event full engine power is needed for propulsion, the system instantly powers down. As soon as stable engine RPM is restored, Integrel resumes full power generation.

The combined propeller and Integrel generator load bring the overall load on the engine much closer to optimum efficiency. As a result, the engine runs more effectively whilst generating large amounts of energy with near optimal fuel usage.

18 kW
OF POWER

25%
FUEL SAVING

77
KILOGRAMS

100%
AUTOMATIC

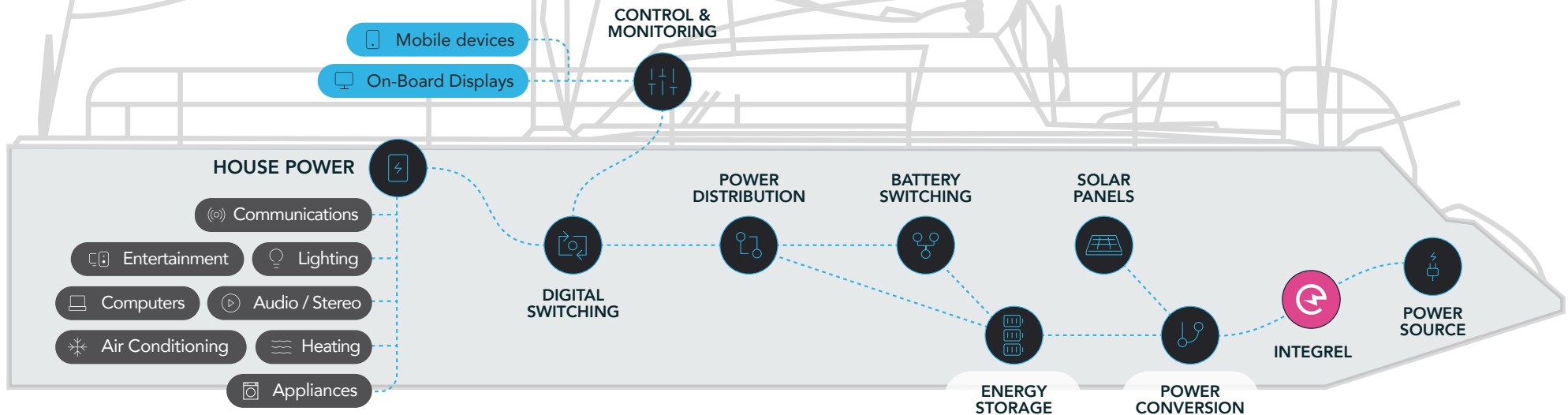
48
VOLTS

ZERO
MAINTENANCE



FATHOM[®]

e-power system



INSTALLING THE INTEGREL SYSTEM

Integrel can easily be installed on new vessels or retrofitted to existing systems. We typically suggest 5 to 7 days for new build boats. An installation guide is supplied with step-by-step instructions to fit the system.

We also offer support training, adding your team to our network of approved installers with the added confidence that advice is readily available if required



NO GENERATOR. NO NOISE. NO FUMES.

Fathom combines the latest lithium-ion technology with premium components from the world's leading brands to deliver a complete power management system. Receive long-lasting, reliable power, and the ability to visualize and manage your usage with ease.



On-Board
Diesel
Generator



PAST POWER SOLUTIONS



Costly
Fuel



Noise
Pollution



Low
Efficiency



High
Maintenance



Low
Run Time



Integrated
Lithium-Ion
System



THE FATHOM FUTURE



Lower
Emissions



Lower
Noise



High
Efficiency



Less
Maintenance



Monitor
& Control

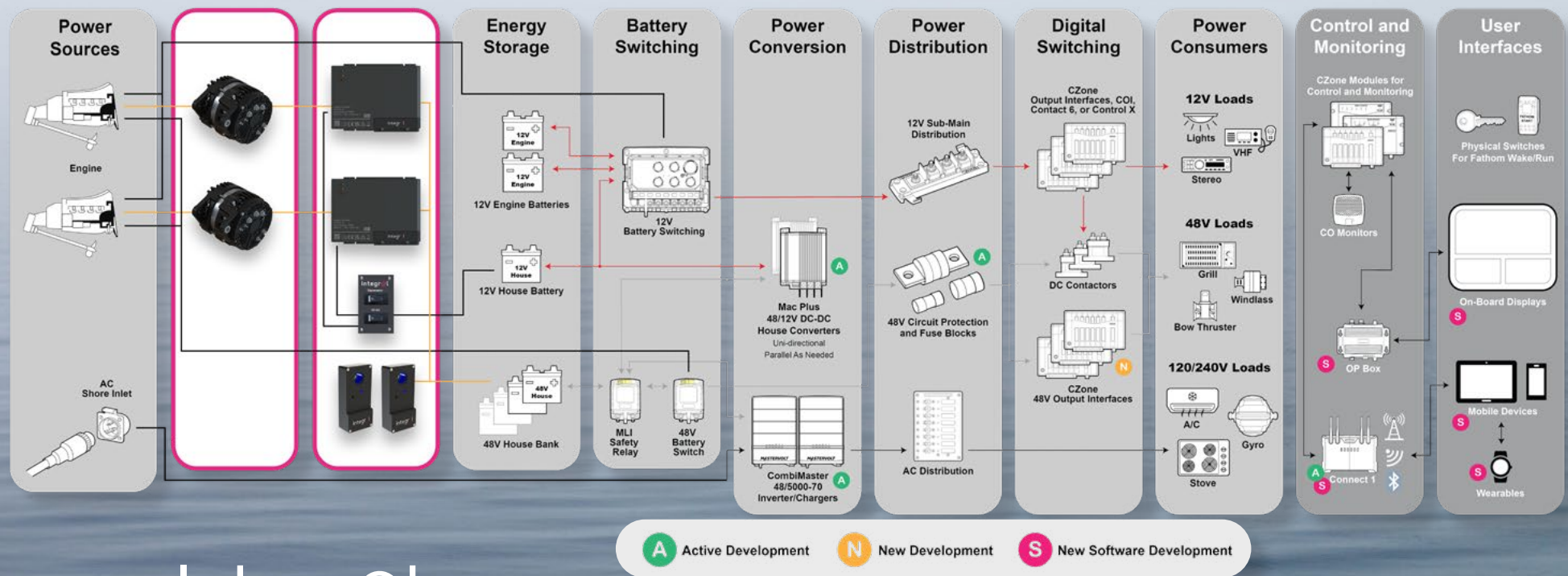




FATHOM[®]

e-power system

TOTAL INTEGRATION INTO FATHOM. INTEGREL INTELLIGENTLY GENERATES UP TO 18 KW OF ENERGY STORED IN 48V LITHIUM. SEAMLESS, RELIABLE POWER AT THE FLICK OF A SWITCH.



Integrel
solutions



MORE COMFORT, LESS NOISE & EMISSION.

Boat: FP Aura 51
Integrel E-Power 18 DE
Battery: Mastervolt 24 kWh MLI 6000 48V

3-day trip: Mallorca

The Integrel system ensures optimal engine performance, fuel savings, reduced emissions and minimal noise pollution.

DAY 1: PORT DE SÓLLER AND CALA DEIÀ

Arrive at Port de Sóller, fuel up and provision. Enjoy Cala Deià in the sunshine, keeping cool with air conditioning silently powered by Mastervolt Lithium-ion batteries



DAY 2: PUERTO PORTALS

Cruise to Puerto Portals whilst the Integrel system charges batteries at 18kW. Monitor and Control your batteries from the comfort of the cabin and enjoy the marina's amenities.



MALLORCA



DAY 3: ES TRENC AND ROXY BEACH

Explore Es Trenc's natural wonders and pristine beaches. Anchor up at Roxy Beach, a prime location for the eco-conscious sailor and enjoy lunch in the cool air conditioned cabin.





ANCOR

 **attwood®**

BEP

B&G®

 **BLUE SEA®**
SYSTEMS

C▶MAP®

CZONE®

GARELICK®

Integr[Ⓢ]el
solutions

 **LENCO**

LOWRANCE®

MARINCO®

MASTERVOLT

MotorGuide®

*Progressive
Industries*

ProMariner™

RELi³ON®

SIMRAD®

 **Whale®**

FATHOM®
e-power system

ENERGY FREEDOM ON THE WATER.
ALL THE LUXURIES OF HOME
WITHOUT A GENERATOR.

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