



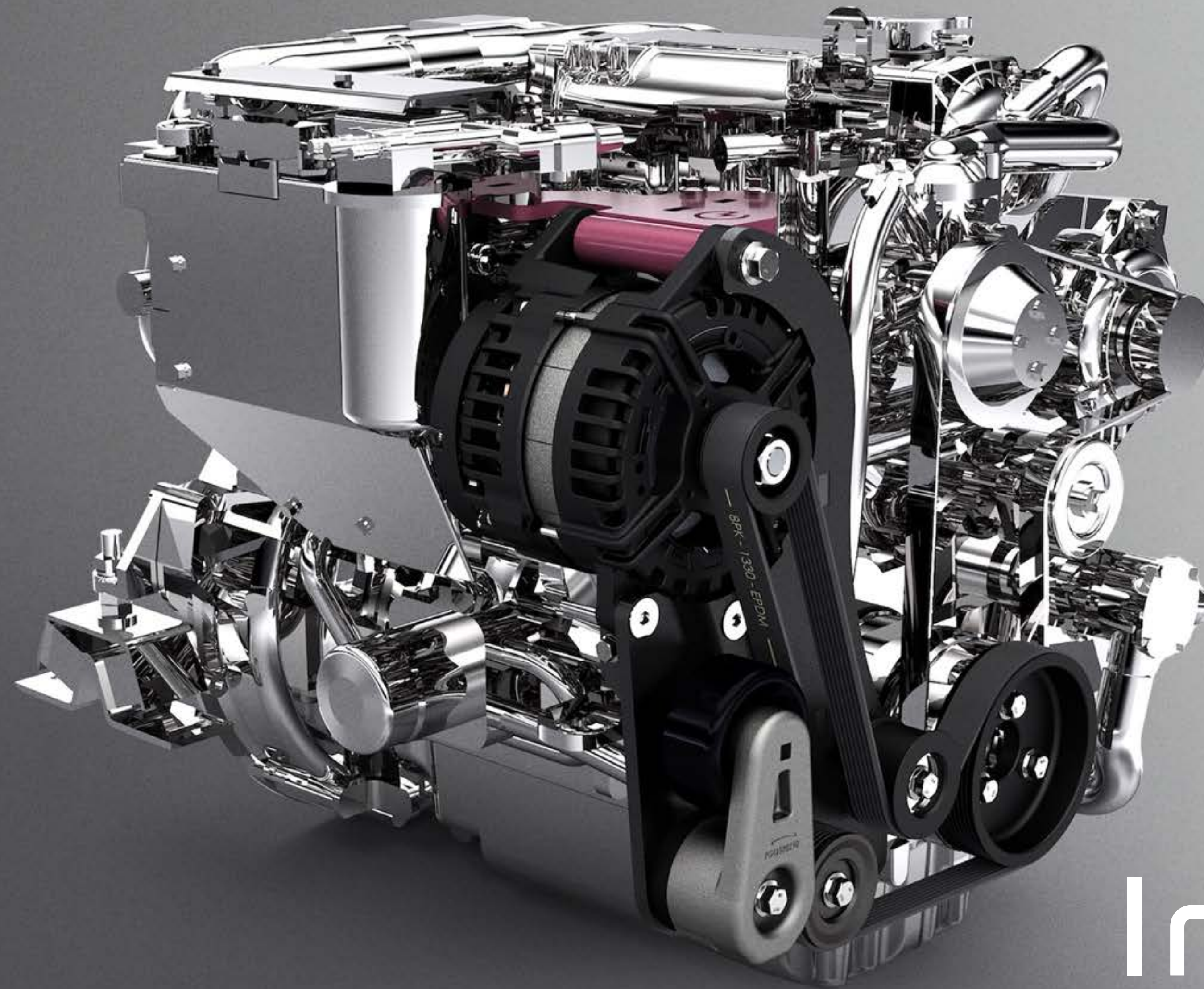
**GENERATOR REPLACEMENT TECHNOLOGY
CLEANER SAILING POWERED BY INTEGRAL**



OUR MISSION

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





CLEANER SAILING POWERED BY
Integrel
solutions



FEATURES & BENEFITS



REPLACE YOUR GENERATOR

Completely replace a standalone generator and use the Integrel system to power all on-board appliances. Make the most out of a quieter sailing experience as the Integrel system works in silence!

UP TO 18KW, FULLY AUTOMATIC

It just works! Our system works quietly in the background, with very little need for user intervention. The engine and batteries are carefully monitored and it even warns you when the batteries need recharging.

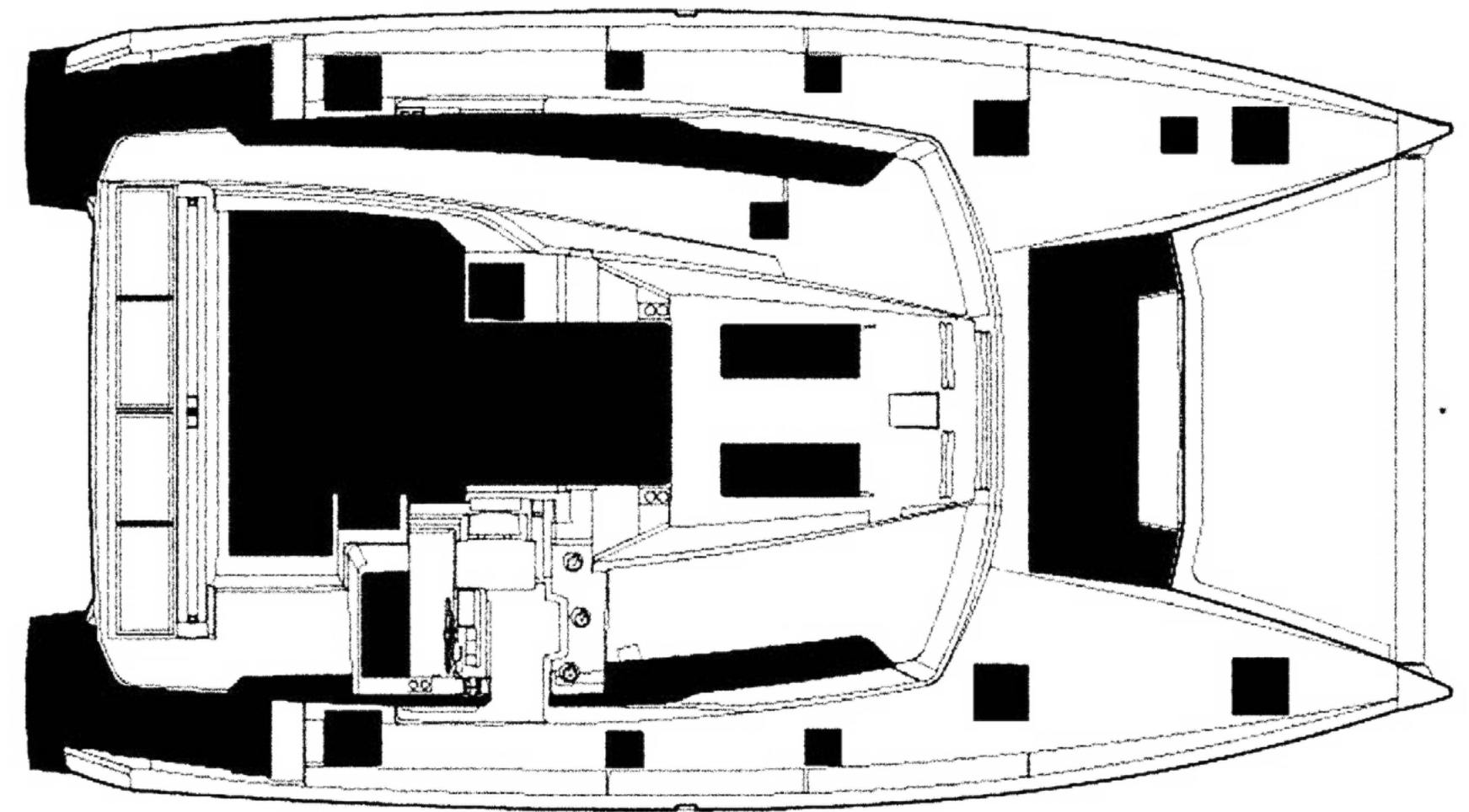
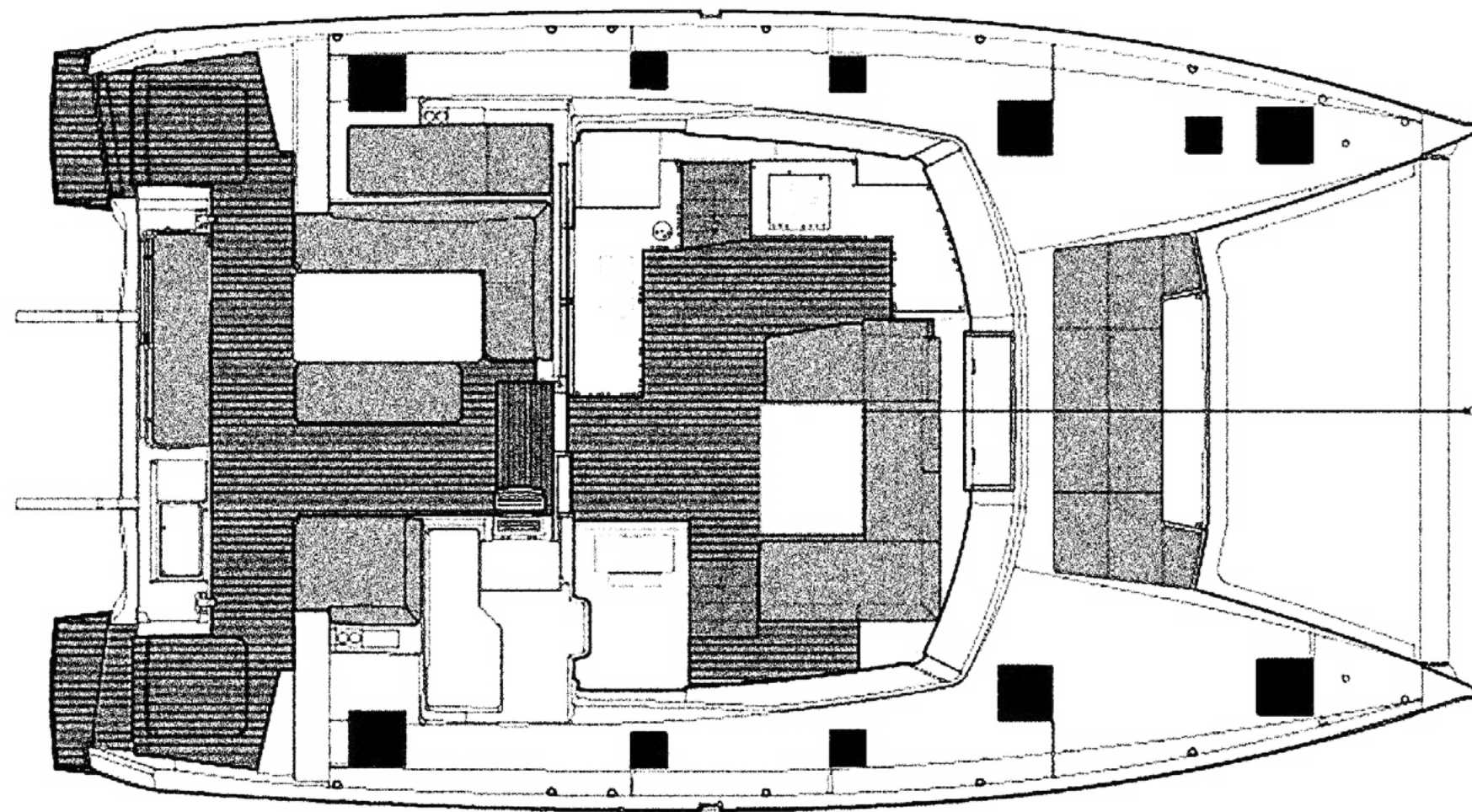
REDUCED COSTS

Along with reduced maintenance and marina costs, the Integrel system does not require a separate engine. This makes fitting costs less than a stand-alone generator with no need for through-hull fittings and separate cooling systems.

REDUCED CARBON FOOTPRINT

The Integrel system improves the fuel efficiency of the propulsion engine up to 25%, reducing overall vessel fuel consumption. It is fully automatic, managing electrical power generation, storage, conversion and distribution in one package.





FUEL SAVING

FULLY AUTOMATIC

WEIGHT

NOISE

DUAL

25%

100%

40KG

DB 0

18kW

Integrel makes the propulsion engines more efficient, whilst intelligently storing energy in the house Lithium battery bank.

Integrel is always working to keep your lithium batteries topped up when the engine is on.

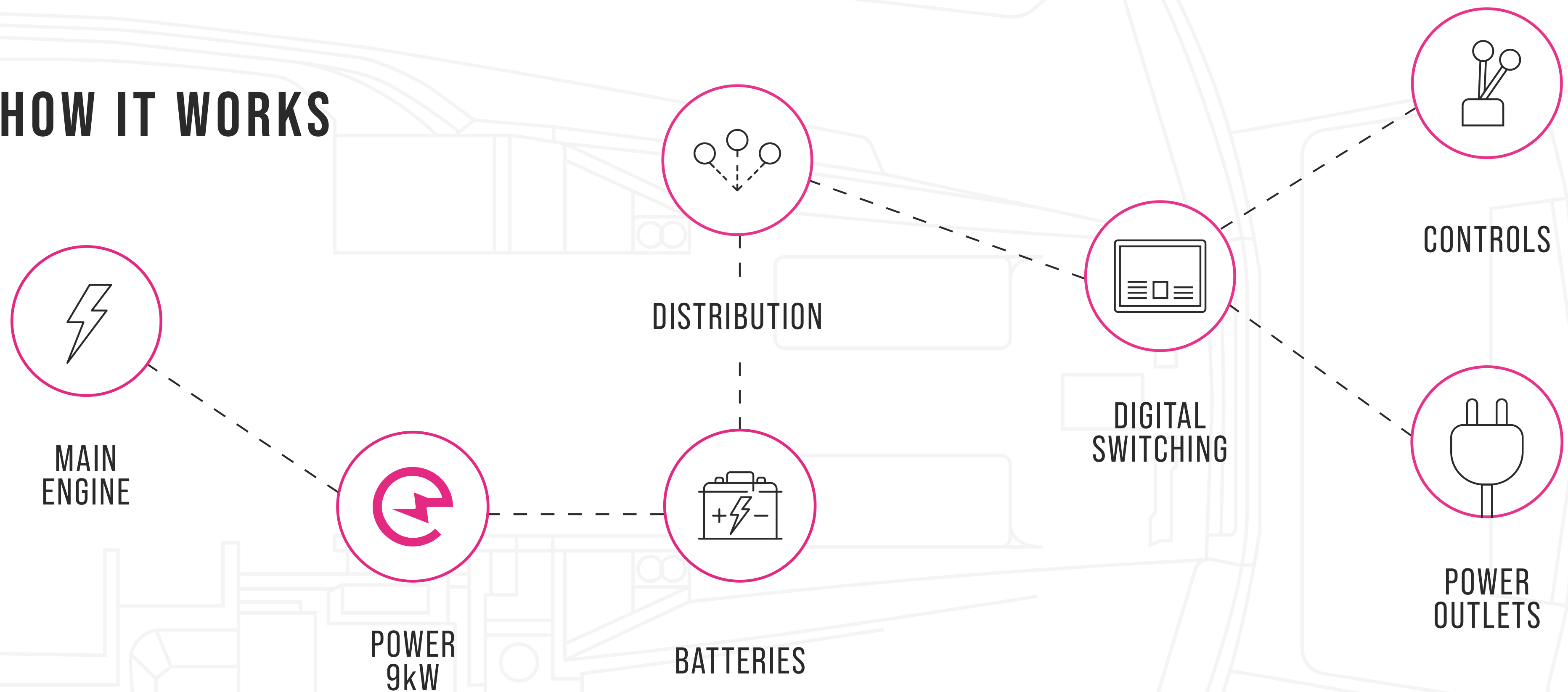
Remove the fossil fuel generator and save both space and weight. No more fuel or servicing costs.

Silent and seamless power when needed. All battery information available at your fingertips. Simple.

Dual Integrel generates up to 18kW of energy, intelligently stored in the house lithium battery.



HOW IT WORKS



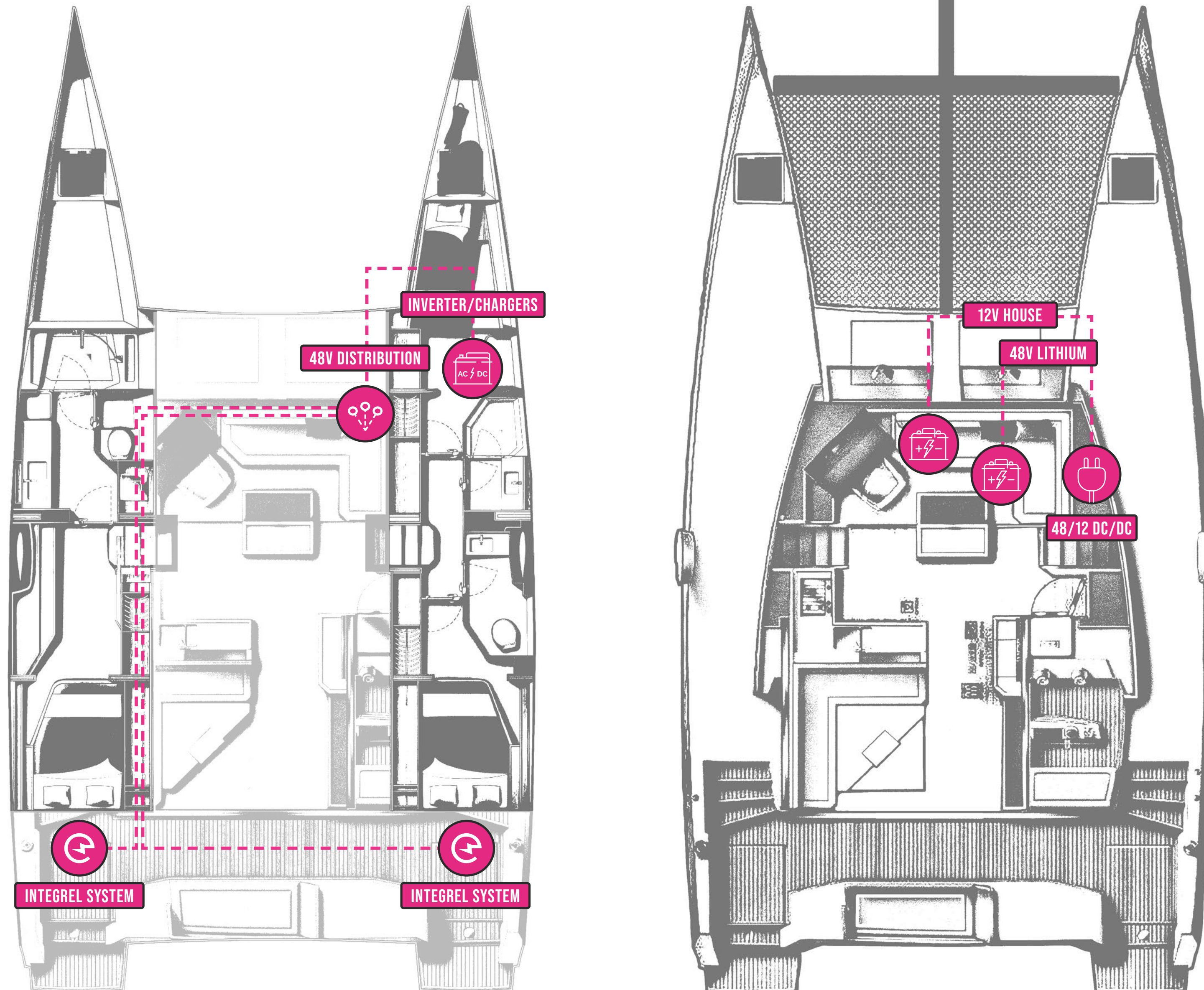
1. Integral system continually monitors and regulates the battery charge. With almost zero user input, power is delivered exactly when needed.

2. The 48V system provides greater efficiency and smaller cable diameters generate less heat. Your AC system is able to cool large spaces quickly and is more powerful.

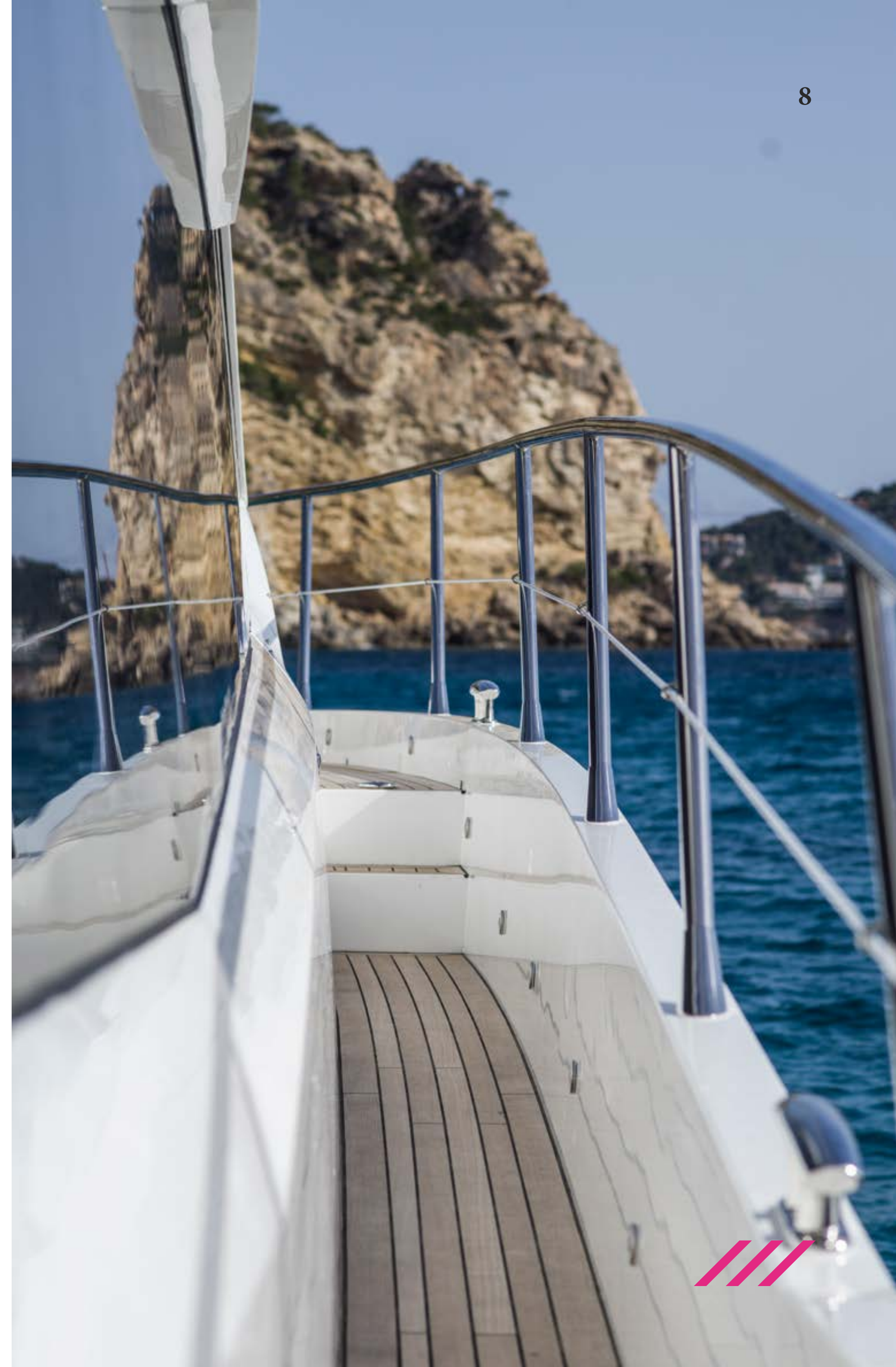
3. Integral is low maintenance and only requires the changing of the serpentine belt at 500-hour intervals. We have clients that have done 1000's of hours on one belt.



INSTALLATION



INTEGREL INSTALLATIONS



WARRANTY PROVISION

Integrel does not void a manufacturer's warranty. An engine manufacturer can only refuse to cover damage attributable to the Integrel system. For total customer reassurance we supply a 'Lloyd's' of London backed warranty that covers everything Integrel.

With hundreds of happy boat owners using Integrel for years and 1000's of engine hours, we have had zero claims to date.

The initial project was done in collaboration with Yanmar. Integrel designed the system to strictly adhere to Yanmar's published specifications, with over 500 hours of aggressive testing undertaken in laboratory conditions. The engines were then stripped down and taken to Rolls Royce for a full bearing and crankshaft analysis. Results, zero wearing or overloading of any of the engine components.

Integrel still use these engines as our testbed. We back our product and stand-by our promise of excellent customer service.



CASE STUDY: FOUNTAINE PAJOT ELBA 45

Mr. Pavel Riha has had an Integrel system installed since the beginning of 2021 and has been using it daily as he sails from port to port in and around the Mediterranean. Soon after installing Integrel, Mr. Riha established a group on Facebook called “Integrel on a boat”. The page is a go-to for many following Mr. Riha’s journey. It has become an information hub of first-hand experience using the Integrel system, regularly describing how the system works in different conditions and environments. The page is a key information resource for customers and prospects alike, and we are extremely grateful for Mr. Riha’s continued support.



SYSTEM CONFIGURATION

The popular Fountaine Pajot Elba 45 is configured with six air conditioning units, a dishwasher, washing machine, induction hobs and a coffee machine, powered entirely by the Integrel system and a few solar panels. Mr. Riha has extensively documented how the system performs and even ran a test with all appliances turned on to see how long it would take to recharge the batteries! Not long!

