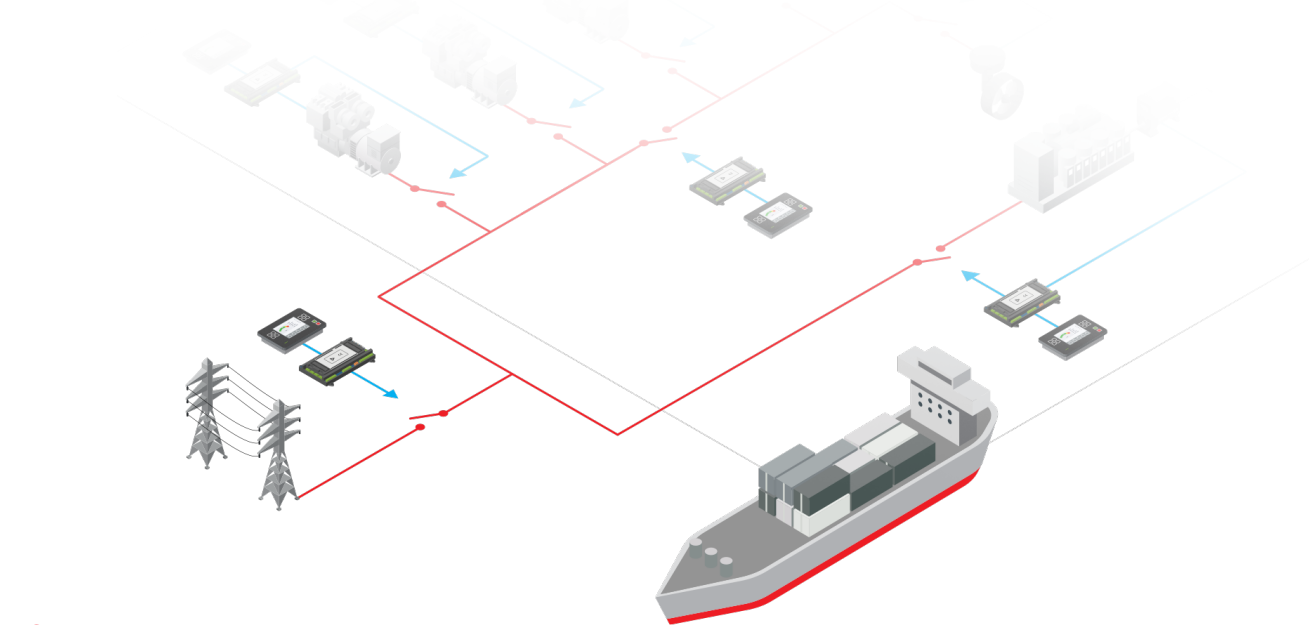


Our hybrid system, can accommodate any combination of AC and DC energy sources to provide a reliable, continuous and effective solution for power generation control and optimisation.

ComAp's **AC Power Management System** provides fully automatic operation of the generators, including load-dependent start/stop, power band control, running hours equalisation, automatic synchronisation, and load-sharing.

ComAp's **DC Power Management System** ensures automated operation of the battery energy storage system, including load-dependent start/stop, power band control, running hours equalisation, automatic synchronisation, and load-sharing through conversion devices such as regulators, inverters, and DC/DC converters.

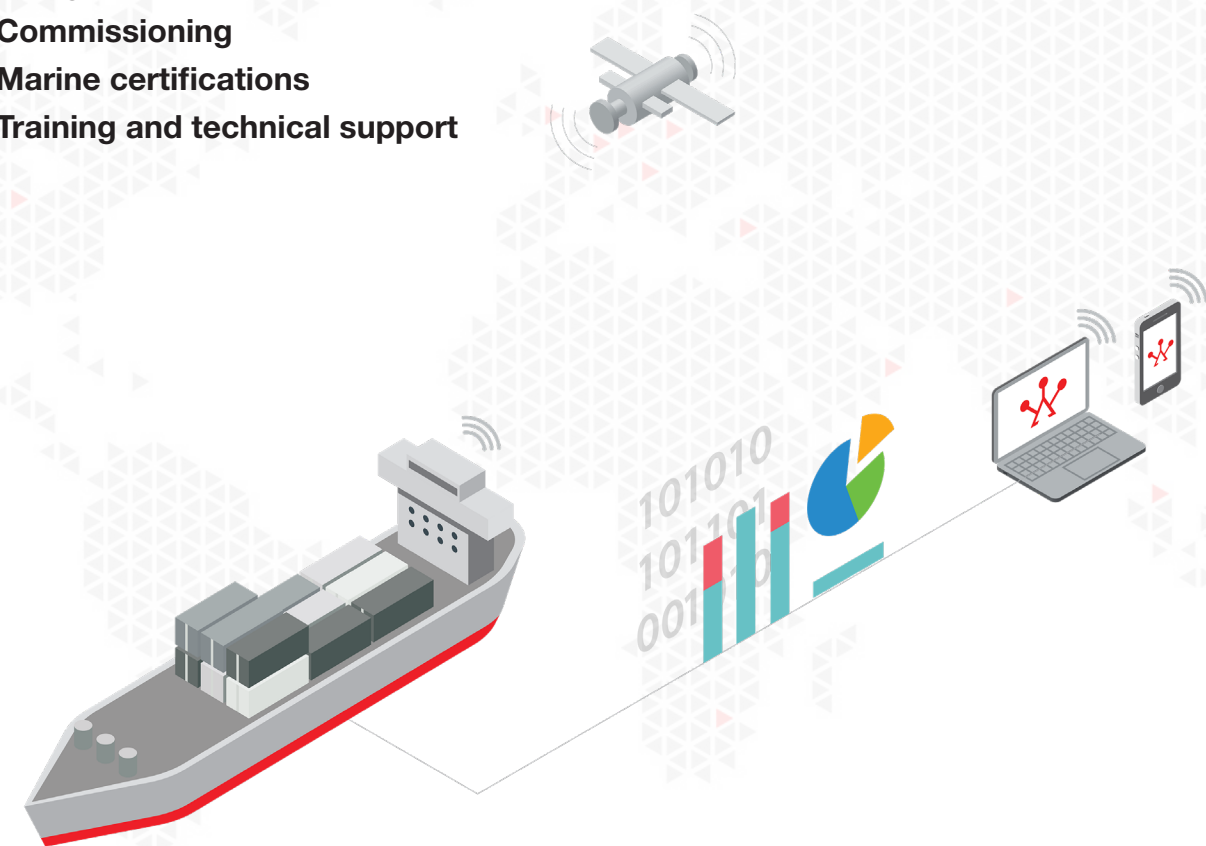


Shore connection

Our closed-transition shore power connection technology is utilised onboard ships for efficient and safe switching between shipboard electrical power and shore-based electrical power without interruption. It allows ships to connect to shore power, reducing their carbon footprint and fuel costs while docked. This technology ensures a smooth and reliable power transfer, minimising the risk of blackout or system malfunctions, and improving overall vessel safety.

Get a complete solution for your marine project, from start to finish

- > Consulting
- > Design & production
- > Commissioning
- > Marine certifications
- > Training and technical support



comap-control.com

ComAp
The heart of smart control

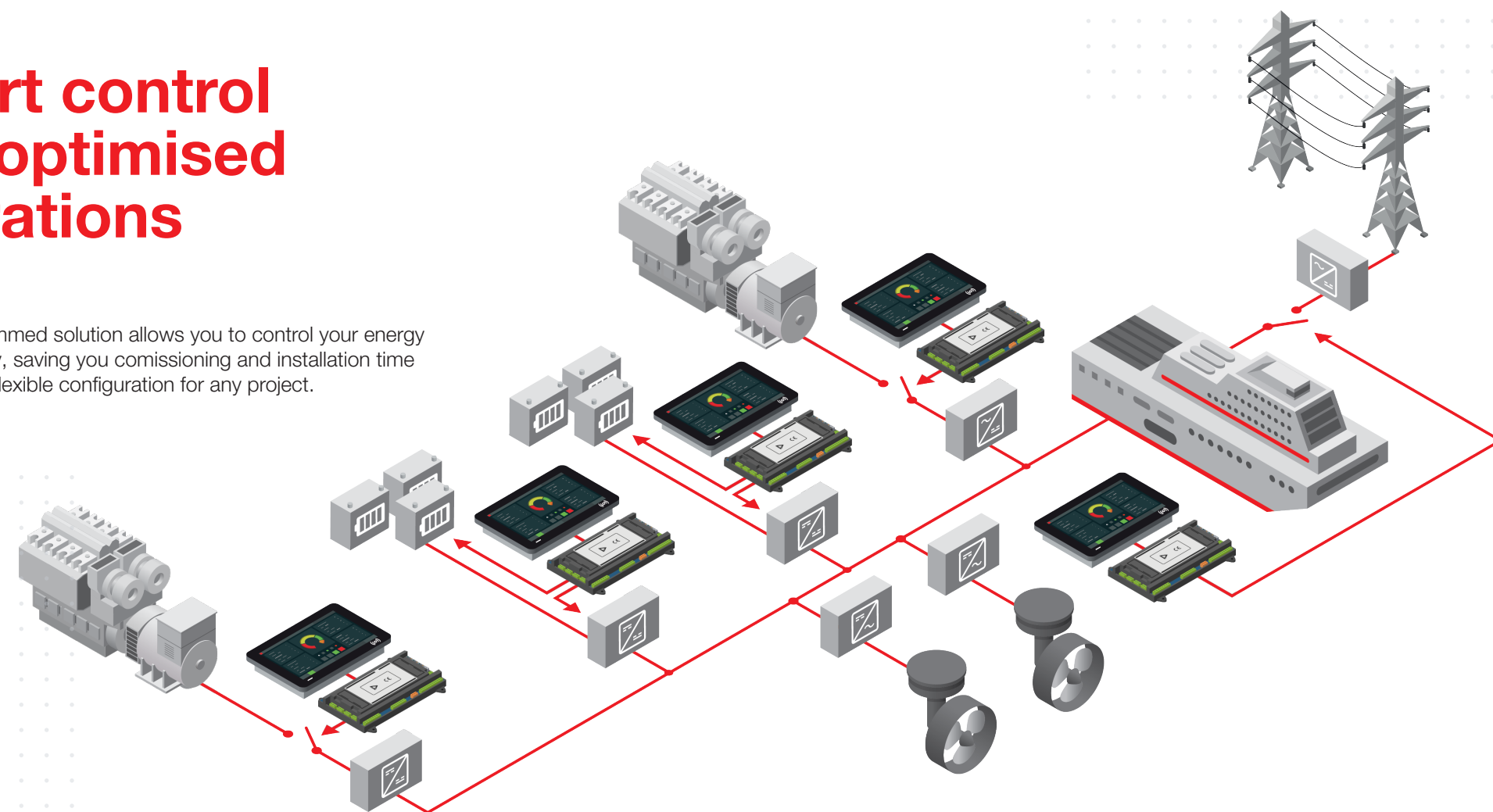
Get
a complete
solution for
your marine
project

AC DC Power Management



Smart control and optimised operations

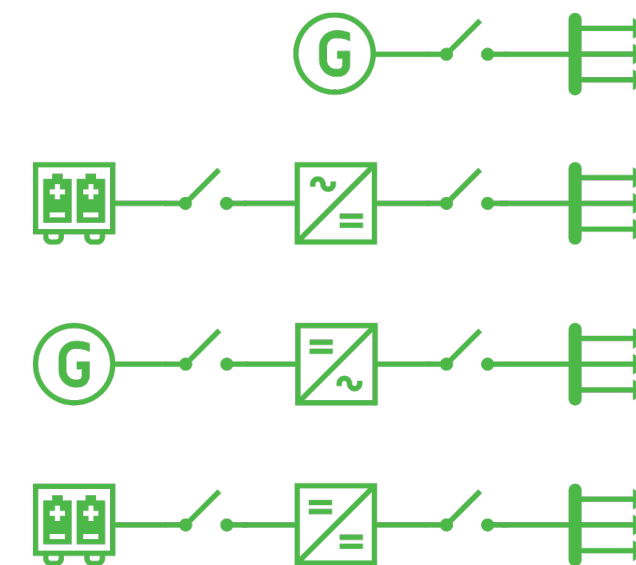
Our preprogrammed solution allows you to control your energy sources quickly, saving you comissioning and installation time while allowing flexible configuration for any project.



One embedded control solution for multiple paralleling applications

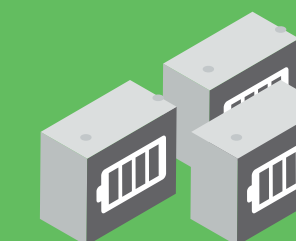
Key features:

- > Heavy consumer management
- > Advanced monitoring and protection for generators and engines
- > Load sharing between energy sources
- > Automatic start/stop of energy sources based on load demand
- > Remote management and monitoring
- > Cybernetic security by design, based on the IEC/ISA 62443 standard
- > IACS certified solutions

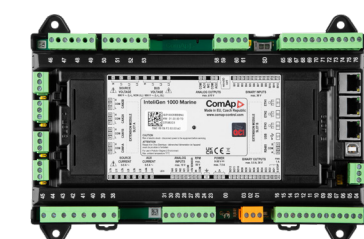


Reliable Power Management for your DC energy sources

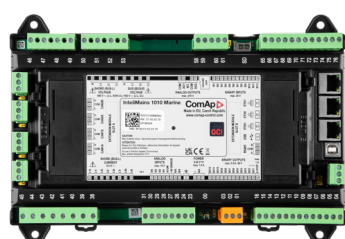
Our flexible DC PMS is a reliable, automated and effective solution for power generation which can be used on all types of vessels with BESS, shaft generators, fuel cells, and other DC energy sources. The sollution offers:



- > Communication and control over third-party inverters, rectifiers or DC/DC converters
- > Communication with energy management systems, AMCS, BMS and other third-party systems
- > Direct monitoring and control of system drives, DC breakers and other critical components
- > DC Voltage and DC current measurement



IntelGen 1000 Marine



IntelMains 1010 Marine



IntelVision 5.2 Marine



Intel DC4/4