



Get
a complete
solution for
your marine
project

| **AC DC Power** Management

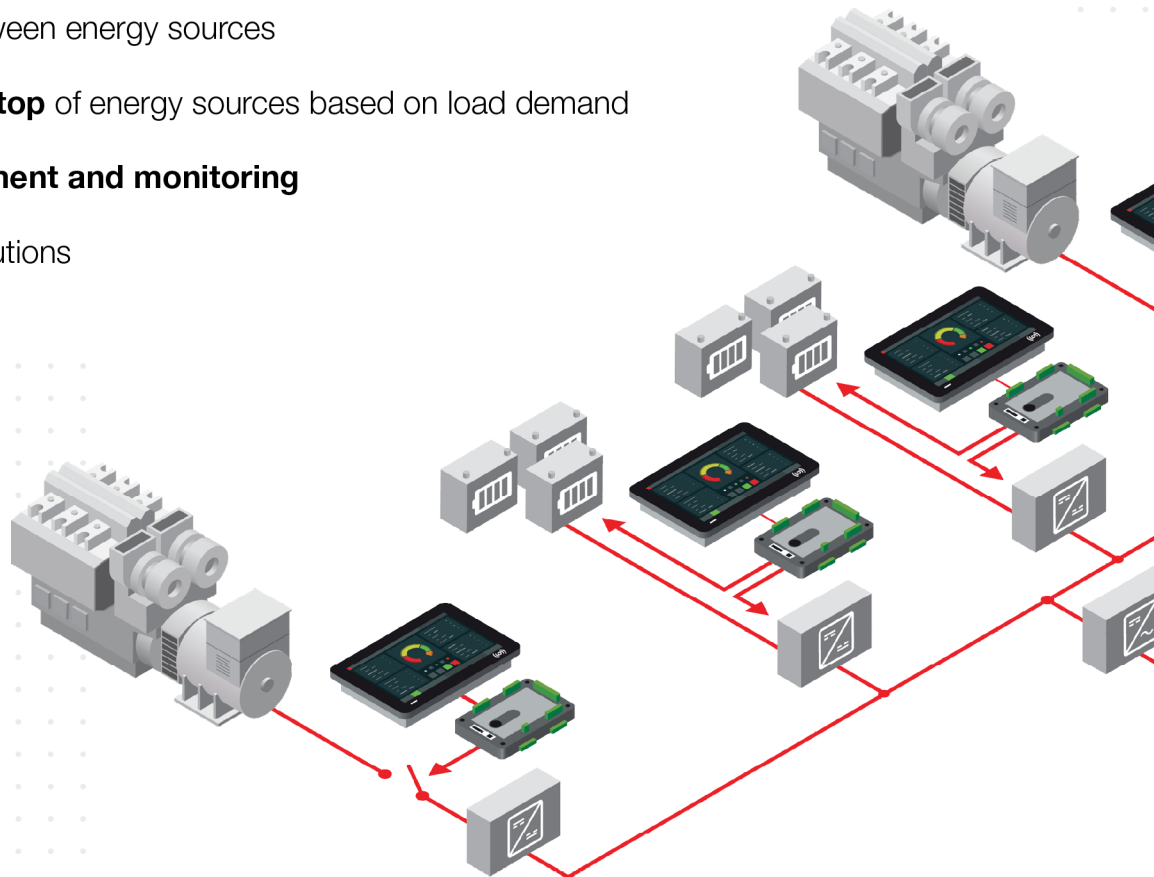


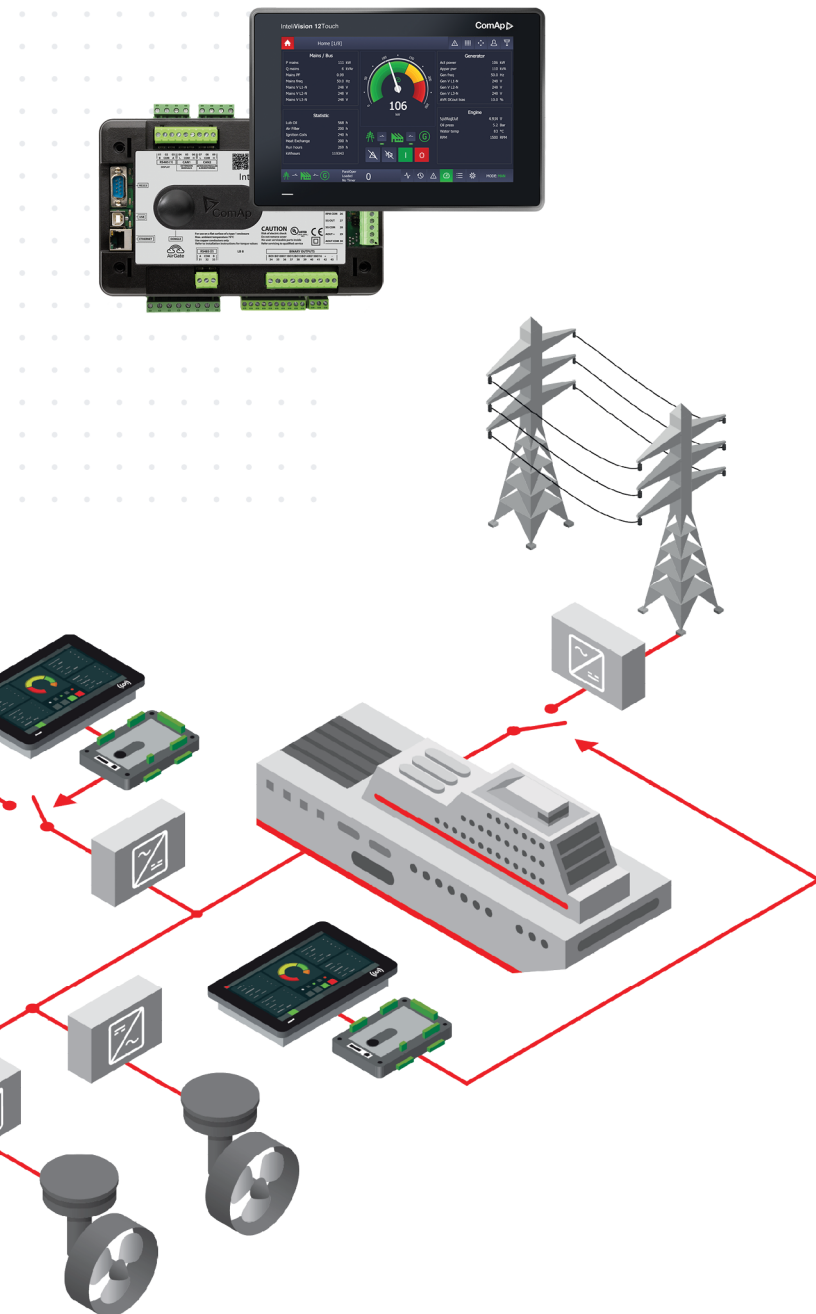
Smart control and optimised operations

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

Key features:

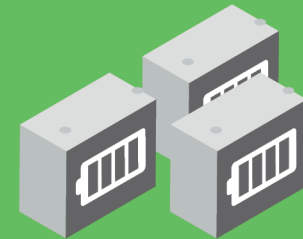
- > **Heavy consumer management**
- > **Advanced monitoring and protection** for generators and engines
- > **Load sharing** between energy sources
- > **Automatic start/stop** of energy sources based on load demand
- > **Remote management and monitoring**
- > **IACS certified** solutions





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 solution offers:

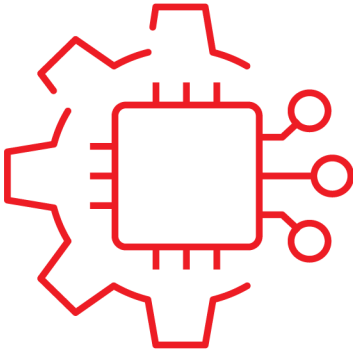


> Communication and control over third-party inverters, rectifiers or DC/DC converters

> Communication with energy management systems, AMCS, BMS and other third-party systems

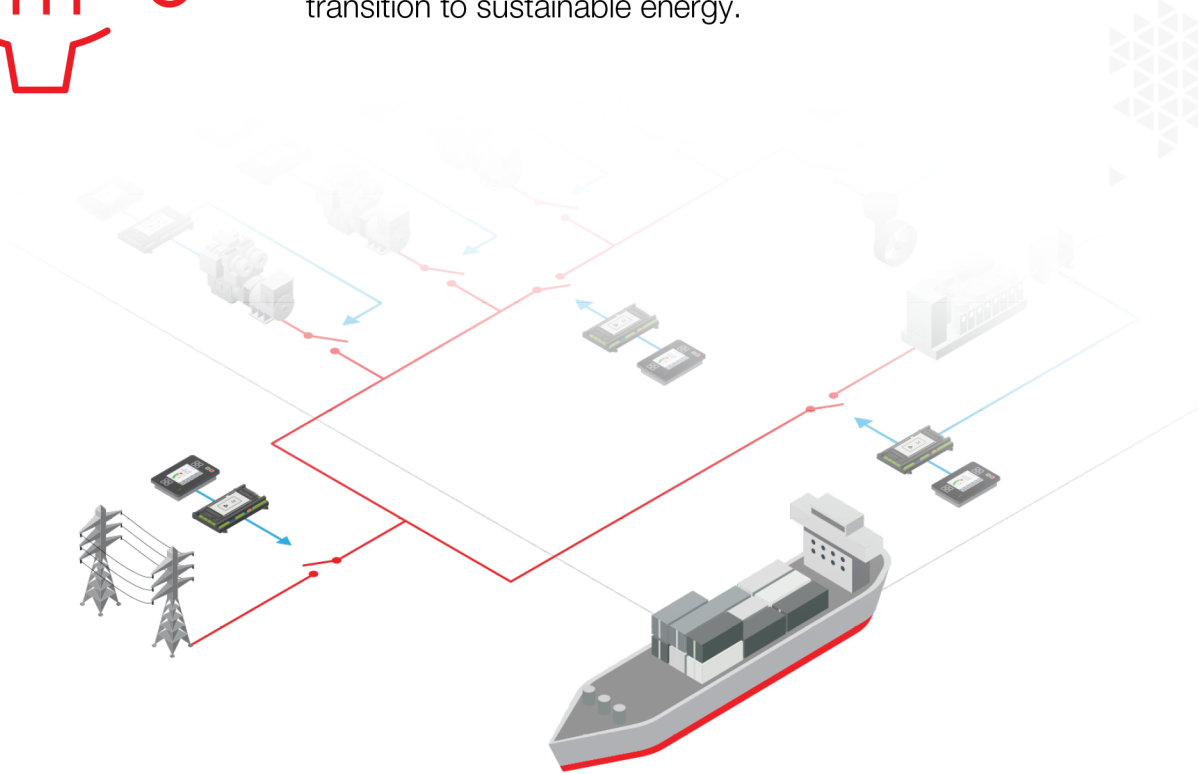
> Direct monitoring and control of system drives, DC breakers and other critical components

> DC Voltage and DC current measurement



Smart energy control solutions leading the way to energy sustainability

We designs and delivers smart control solutions for power generation and energy management that empower the world's transition to sustainable energy.



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.

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.

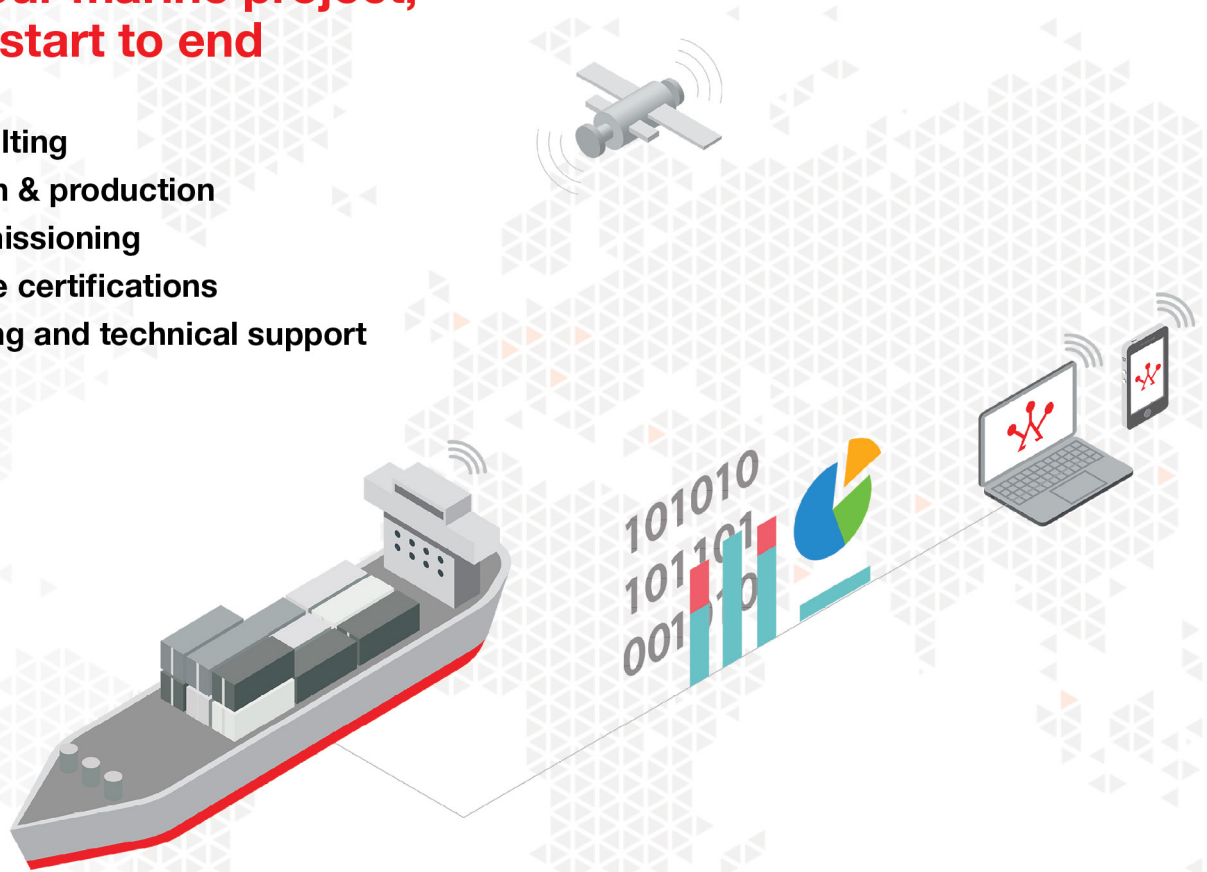
ComAp's AC Power Management System (PMS) provides fully automatic operation of the generators, including loaddependent start/stop, power band control, running hours equalisation, automatic synchronisation, and load-sharing.

ComAp's DC PMS 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.



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

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



comap-control.com