

PHOENIX ONE – SILENT POWER FUELED BY S.A.I.L.



Zero emissions mode allows you to access the most pristine wilderness

Efficient Energy for your Yacht

Transform your yacht with the latest technology combining onboard energy storage with hybrid propulsion and management systems. Utilised by commercial and high-performance vessels for years, this technology is now available to luxury yachts ranging from 40-80 metres with the Phoenix One S.A.I.L system. Complementing your yacht's main engines, power is stored, managed and delivered efficiently.

Optimise Maintenance & Operation Costs

Reduce your fuel consumption by up to 25% with a modular system of high voltage lithium batteries. Generator use is greatly decreased, extending the generators lifetime and reducing fuel and maintenance costs. The batteries are automatically and quickly charged during the day using the residual energy from your engines or generators (don't lose any power!). The system can then power the entire boat for up to 10-14 hours under full operation with guests and crew onboard, and no need for noisy generators.

Once installed, the lithium batteries should last at least 10 years with no problems. Thanks to the growing demand for electric cars and companies like Tesla, the production costs of lithium batteries have decreased, with a dramatic fall in the price of these batteries over the past decade.

Noise Reduction to Zero

A luxury yacht should be able to offer peaceful solitude, free from jarring noise and vibrations. "This is where the idea for the S.A.I.L system sprung from" says Phoenix One CEO, Lucas Nowak. "A yacht owner complained to us about the aggravating generator noise all day long next to his bed and asked what could be done. You can spend millions on your brand-new yacht, yet inside the guest cabins you can still hear the generators running."

The S.A.I.L system allows ultimate comfort for guests and crew, with long periods of silent onboard power, and battery-powered trips. The noise reduction is also perfect for entering and leaving marinas, manoeuvring in harbour areas, and anchoring. Run the generators to charge the batteries whenever convenient, then in the evening when guests are onboard switch to electric and enjoy the peace and serenity.

Clean, Green Energy

With more and more emphasis on reducing our carbon footprint, alternative power sources are needed for boats – from gas and methane, to lithium energy. Stricter regulations regarding CO2 emissions, especially in Northern Europe,



Fast charging batteries for up to 14 hours under full operation

mean energy storage is a necessity in order to access or sail many areas. Phoenix One is DNV/GL compliant and committed to more sustainable measures – clean, green energy with a multitude of environmental benefits:

- No NOx, soot or CO2 emissions
- No offensive odours
- No noise pollution
- Keep your yacht free of smoke
- Keep the water clean around your yacht (no layer of exhaust waste)

Control at your Fingertips

With every system, you need to be in control. Phoenix One will update your current Program Logic Control (PLC) infrastructure and seamlessly merge your yachts Integrated Power Supervisor (IPS). Data on energy consumption and performance is collated and stored on the cloud service so it can be accessed on a tablet by whoever requires it - from the owner and the captain to the engineer for monitoring or warranty reasons. Alerts can be instantly sent to your phone, including data images showing what has occurred. Phoenix One guarantees high cyber security, high performance and easy monitoring with their sophisticated S.A.I.L system.

"I really like being able to have full remote control from anywhere in the ship. Manoeuvres are faster, safer and easier with this type of control. No more running back and forth from the engine room while in the middle of a



The Nest Cloud-service allows you to monitor your yacht wherever you are

manoeuvre, and I have full control from a single screen. We can run air conditioning throughout the night on a single battery load with no generators needed. The reduction in generator working hours is amazing thanks to the battery pack, and fuel consumption has decreased dramatically since the system was installed."

- Javier, Captain - Windrose of Amsterdam

Revolutionise your luxury sailing experience and harness the power of efficient energy

with control at your fingertips using the S.A.I.L system. Contact Phoenix One today and ask them to tailor an optimised energy solution for you with a free site survey.

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Sailing yacht Windrose of Amsterdam