



Case Study: Corvus Super Yacht Solution



Significantly reduces:

- Diesel consumption
- Low efficiency operation of engines
- Engine maintenance
- Harmful emissions



A Revolutionary Solution for Super Yacht Owners



Imagine a large yacht silently maneuvering in and out of harbour, anchoring for a week at a time without using a generator. Imagine this same vessel reducing air and noise pollution, while reducing operation costs.

All this and more is now available to the owners of the next generation of super yachts, the hybrids.

Corvus Energy lithium polymer energy storage is revolutionizing marine propulsion systems. **Corvus batteries provide enough power to hold position, maneuver at low speeds, run lights and navigation - all without using any diesel.** Each module contains a battery management system (BMS) to monitor and manage the energy storage system and to enable remote communication. Using any type of web enabled device; the owner or manager of the vessel always knows the status of onboard systems - no matter where the vessel is located, even the middle of the ocean.

A new energy management and control philosophy is modernizing conventional propulsion system configuration, unleashing a whole new set of possibilities and advantages.

Objectives

- Lower fuel consumption
- Lower emission of greenhouse gases
- Lower investment cost compared to gas/dual fuel systems
- Allow full utilization of SCR systems and reduced NOx emissions possible
- Increase lifetime and reduce maintenance cost on diesel engines
- Reduce space, volume and weight of the propulsion system
- Increase overall efficiency of the propulsion system
- Provide a clean reliable power source to all auxiliary components

Solution

Corvus' AT6500 modular lithium polymer energy storage packs are capable of sustained output of large amounts of power, comparable to a diesel engine. The modules allow vessel system integrators and designers an alternative source of high energy, creating the opportunity to redesign systems to reduce complexity and costs throughout the vessel.

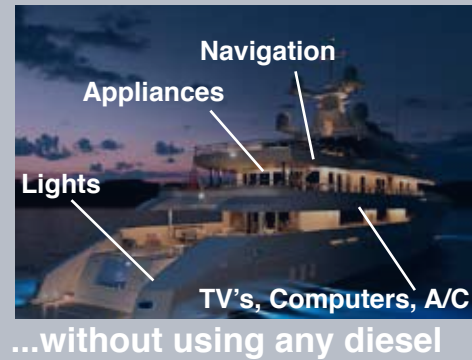
Corvus vs. Lead Acid

10 TIMES THE POWER
1/10 THE SIZE AND WEIGHT

LEAD ACID

CORVUS LITHIUM ION

Provides clean power for:



Benefits

- Improves safety and reliability of the entire vessel
- Reduces diesel consumption providing rapid ROI
- Reduces maintenance costs on diesel engines
- Reduces harmful air and noise pollution



For more information on Corvus yacht solutions visit:

corvus-energy.com

About Corvus

Corvus Energy manufactures the world's most durable Energy Storage Systems (ESS). Designed for heavy industrial applications, a Corvus ESS will reduce fuel consumption, maintenance, emissions & increase reliability. Contact us today to learn how energy storage can improve your bottom line:

Toll Free (888) 390-7239 • 24 Hour Support (604)227-1932 • corvus-energy.com • info@corvus-energy.com

