Northern Lights redefines the engine room using hybrid propulsion

Northern Lights, Inc. (NLI), an innovator in the marine-diesel market, is redefining the traditional engine room with an unmatched hybrid-marine solution.

NLI combines its high-performance Lugger propulsion engines with BAE Systems’ HybriDrive® Propulsion System. In service in over 3,500 applications worldwide, this is the world’s most successful series hybrid. The system uses a Propulsion Control System (PCS) to efficiently direct power produced from the electric generator for immediate use, or holds it in the Energy Storage System (ESS) to provide clean, quiet power without the engine, while the propulsion motor provides power to the prop. The system can be customized to fit a myriad of marine applications.

“The entire package is designed to be clean, quiet and environmentally responsible,” said NLI vice president Mike Maynard. “Our hybrid-marine solution eliminates wet stacking and will reduce both energy waste and fuel costs.”

Because its world class components are fully scalable, the NLI hybrid-marine system provides far greater flexibility in engine room layout. It will run not only as a standard electric propulsion system, but can be configured into an auxiliary power kit to provide all of the ship’s service AC power without the waste and pollution associated with underloading. The hybrid system can even be outfitted for accessory power for modern vessels’ complex systems of thrusters and winches.

Components for the hybrid-marine system will be displayed at the Fort Lauderdale International Boat Show, in booth 750 of the Yacht Designers’ Tent. The system can be configured for specific vessel needs in the yacht and commercial markets, and the hybrid display and interactive video will demonstrate the capability and flexibility of this truly remarkable innovation.

NLI is renowned in the marine industry for providing reliable, durable and simple-to-use power and propulsion systems. Using BAE Systems’ HybriDrive Propulsion and integration capabilities we are proud to now offer a hybrid-marine solution superior to other systems currently on the market.

Founded in 1958, Northern Lights is a leading manufacturer of marine-diesel generators, Lugger propulsion engines and Technicold marine systems. The company’s products are distributed through a global sales and service network to over 40 countries.