



Founded in 1958, Northern Lights, Inc. 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. Northern Lights manufactures a line of rugged Lugger propulsion engines, 40 to 525 Horsepower. Proven in commercial fishing boats, high-mileage trawlers and high-performance yachts, Northern Lights products provide unmatched quality and reliability.

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www.northern-lights.com

www.hybridrive.com



REDEFINING THE ENGINE ROOM

- Efficient
- Clean
- Flexible
- Reliable

www.hybridrive.com



DESIGNED FOR CONTINUOUS DUTY



INTRODUCING THE HYBRID MARINE SYSTEM BY NORTHERN LIGHTS

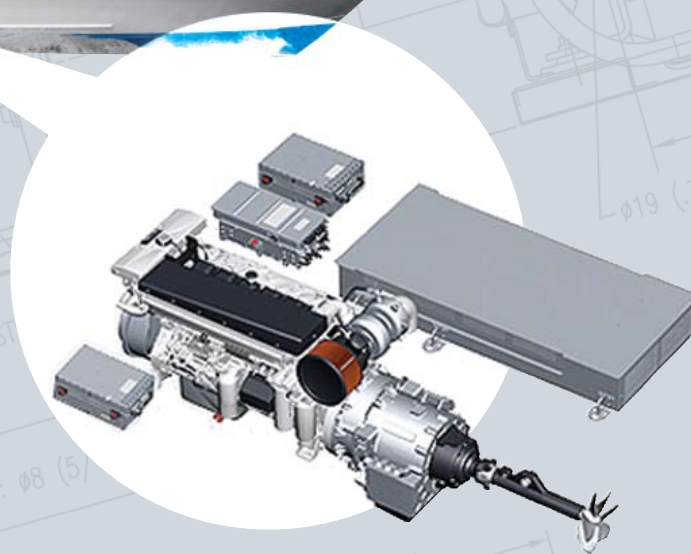
HybriDrive® Marine System is the result of the collaboration between BAE Systems, an industry leading manufacturer of hybrid power and control systems; and Northern Lights, an internationally known provider of marine power and propulsion. The result of our combined knowledge, experience and expertise, HybriDrive® Marine provides a highly reliable, versatile and green solution to the marine environment.

A SIMPLE, ROBUST PROPULSION SYSTEM – WITH HYBRID TECHNOLOGY



HybriDrive® Marine Systems provide clean, reliable power with world class components. Based on a tested, reliable Luger propulsion engine and a traction generator, energy is held in a series of battery packs and metered through a power control system.

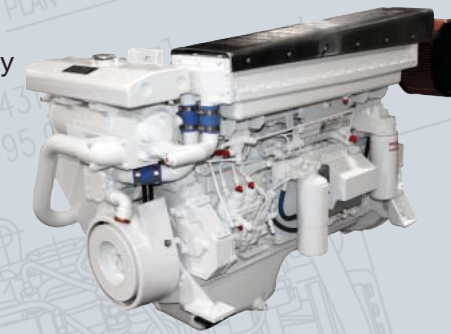
The traction motor provides power to the prop, while energy is stored for its most efficient usage. Available in 3 phase, 60 or 50 Hertz configurations, the amount of power produced and stored can be customized to fit your vessel's requirements. The entire package is designed to be clean, quiet, environmentally responsible and will reduce both energy waste and fuel costs as soon as its installed.



TOP QUALITY ENGINE AND COMPONENT SYSTEMS FROM INDUSTRY LEADERS

Optimized Engine Performance-

- The engine operates at its optimal fuel curve at all times. The system helps ensure that load demand is met without over or underloading your ship's power supply.
- Maximum fuel efficiency.
- Designed for continuous duty operation.
- Reduces engine usage.
- Lowers maintenance requirements.
- Proven reliability.



Optimized Components-

- Reliable, durable, simple to use. propulsion from a trusted name in marine manufacturing.
- Proven hybrid components with millions of trouble-free operational hours of commercial service.
- Sealed electric components require no service with substantially reduced maintenance requirements.
- Modular component replacement if needed.

CLEAN, EFFICIENT, RELIABLE - BENEFITS OF THE HYBRID MARINE SYSTEM

Fuel Efficient -

- Tested in harsh on-road environments, where continuous duty is the norm, the hybrid marine system has saved 10 million gallons of diesel fuel.



Clean Operation -

- Meeting or exceeding all current emission standards, Luger and hybrid technology ensure minimal impact to the environment where commercial boats operate.



Flexible Architecture -

- Design the system for electric propulsion only, for electric propulsion with ship board power, or to power all of your vessel's equipment and machinery.



Reliable Performance -

- Marine propulsion from a trusted name in the industry, packaged with the state of the art in proven hybrid technology for unmatched durability.