

Power and Propulsion Solutions

Hybrid Assist propulsion system

Hybrid and electric marine solutions: providing complete, efficient propulsion, and auxiliary power systems.

BAE Systems' Hybrid Assist propulsion system for tugboats and windfarm support vessels offers two solutions in one. It not only

drives a vessel with electric power while at low speeds, but it can assist the main engine when high-end boost is required. Hybrid Assist propulsion system uses BAE Systems' proven components to completely power the vessel or augment the diesel engine increasing the engine's life and available power.



Hybrid Assist propulsion system delivers electric power on demand for vessels at low speeds and can provide a power boost to the engine when needed.

BAE Systems' proven system components provide four efficient operation modes.

Electric Mode:

Generators supply power to electric motors for propulsion and power to the vessel distribution panel for hotel loads.

Mechanical Mode:

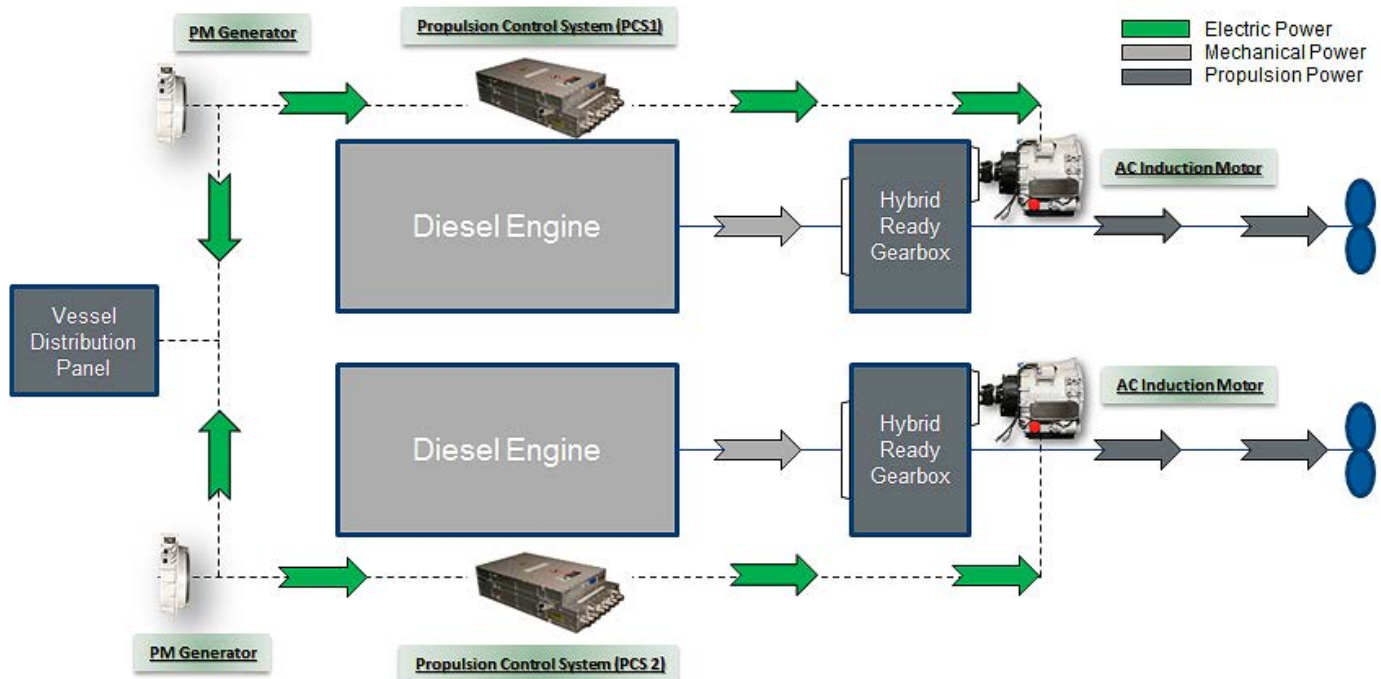
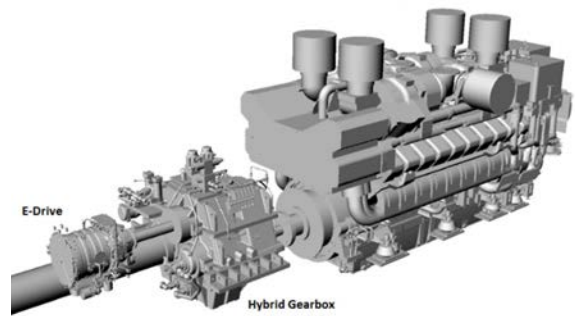
Diesel engines provide power for propulsion and generators supply power to vessel distribution panel for hotel loads.

Optional Power Generation Mode:

Diesel engines provide power for propulsion. AC motors generate power and supply vessel distribution panel for hotel loads.

Optional Electric Boost Mode:

Diesel engines and AC motors provide power for propulsion simultaneously.



Configuration can operate based on your requirements. Ask us for more information.

Benefits

- Reduced overhaul and total ownership costs
- Reduced fuel consumption
- Reduced capital expense of main engine and aftertreatment
- Supports aftertreatment catalyst health management
- Ability to maneuver at <1/2 main engine idle speed
- Up to 30 percent increase in total vessel HP rating

BAE Systems is a leading provider of hybrid propulsion and power systems. Nearly 10,000 hybrid propulsion systems are operating in transit service all around the world enduring the rugged transit environment, and now BAE Systems brings proven hybrid technology to the water. Hybrid and electric marine solutions — We're saving much more than fuel.

www.hybridrive.com

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