



FULL - RANGE HYBRID PROPULSION SYSTEMS



PARALLEL HYBRID

SERIAL HYBRID



THE E-MOTION PARALLEL HYBRID

- 10 Parallel Functional Modes
- Full-Electric Mode maximizes comfort while cruising and at anchor
- Up to 65% reduction of main Diesel engine and generator hours
- Maximum comfort cruising in Full-Electric and at anchor.
- Diesel-Electric Mode provides unsurpassed comfort and efficiencies during long passages
- Exclusive Sportfisherman Package for trawling

PARALLEL SYSTEM FOR PLANING HULLS

- Downsize main Diesel engines and make up extra hp power with Booster Mode
- Full-Diesel Mode: From Idle -1200RPM: electric engines work as alternators: fast-charging battery packs and power Hotel-Load
- Full-Diesel Mode: Over 1200 RPM: the system can switch to Booster Mode

- Available for New-builds and Refits
- Perfect for all vessels: yachts, sailboats, catamarans, water-taxis, ferries and patrol boats



RINA approval for recreational and commercial vessels



ADVANTAGES

THE E-MOTION HYBRID DRASTICALLY REDUCES

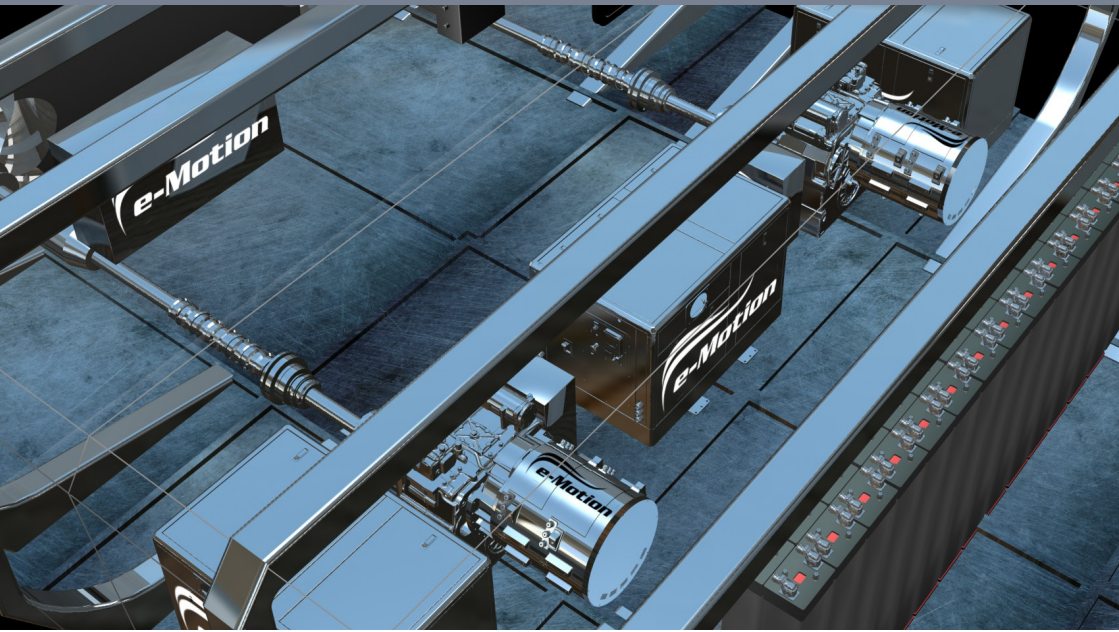
- Fuel consumption up to 65%
- CO2 emissions and water pollution
- Annual operating hours on main Diesel engines and generators

Swim behind your yacht exhaust-free!



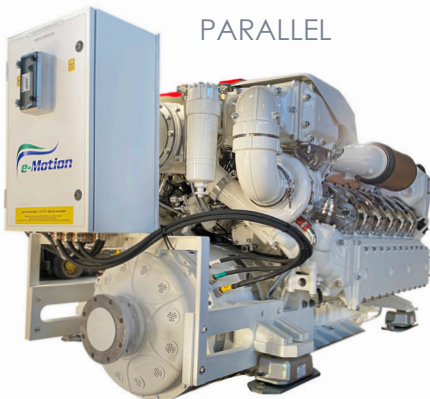
- Yacht runs on battery power- up to 24 hours
- Minimize trips to the fuel dock, and prolong anchoring
- Substantially increase vessel range
- One-touch button on software panel to switch between modes
- Yacht navigates in complete silence in Zero-Emissions Mode
- Fishing and trolling in Zero-Emissions
- Higher resale value of vessel
- MAN, YANMAR and FCA worldwide support for sales and after-sales services
- International shore power

FOR ALL VESSELS 40-250 FEET



SCOPE OF SUPPLY

- Main propulsion Diesel engines
- e-Motion electric engines
- Variable speed generators.
- Lithium-ion batteries
- BMS-Battery Management System
- Isolation transformers
- Inverters
- DC Bus
- Liquid Cooling System for all components
- Hybrid control panel with PMS Software
- LCD touch panels and levers
- Plug-and-Play data wires
- RINA type approval for recreational and commercial vessels



THE E-MOTION SERIAL HYBRID



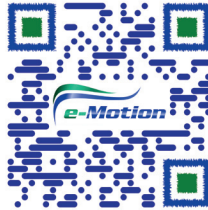
SERIAL SYSTEM FOR DISPLACEMENT & SEMI-DISPLACEMENT HULLS

- Spend 95% of time in Full-Electric Mode
- Main diesel engines are eliminated
- The engine room is smaller, vessel is lighter
- Design larger cabins with extra space gained from smaller engine room
- Full-Electric Mode medium-range cruising
- Diesel-Electric Mode for longer crossings
- Battery fast-charge in 30 min. with generators
- Azipod Propulsion System Compatibility
- Available for New-builds and Refits





Full-Range Hybrid Propulsion Systems



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