



A new era begins: introducing the marine hybrid system from MAN Engines

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Zero emissions; performance, comfort and efficiency; MAN Engines as a systems supplier; global service network

MAN Engines is ushering in a new era of zero-emission mobility, maximum performance based on intelligent solutions, and comfortable cruising for marine engines. The modular MAN Smart Hybrid Experience is tailored to customers' individual needs and wishes and is specifically configured with this in mind. The ability to flexibly combine conventional marine engines and electric motors with batteries and on-board units opens up countless opportunities for incorporating different degrees of hybrid power in leisure craft as well as commercial applications. Based on the desired operating modes, the MAN hybrid system can focus the driving profiles on performance, comfort or efficiency. "MAN Engines offers each and every customer a tailored solution for their specific hybrid needs," says Dr Matthias Schreiber, Head of MAN Engines.

As a systems supplier, MAN Engines supports its customers along the entire process chain, from the planning and concept phase to the development work and on to the technical implementation of complex drive components as well as batteries and power electronics. MAN Engines provides shipyards with a holistic system from a single source – each and every time. What's more, when it comes to servicing and maintenance work, MAN Engines has an extensive network including service stations in all major ports across the globe. "The MAN Smart Hybrid Experience represents the next level of mobility, building upon the familiar reliability and sustainability that MAN Engines is known for," adds Schreiber.

MAN Engines uses different operating modes to configure the driving profiles. These modes range from battery-electric mode, diesel-electric mode,

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of more than 9,5 billion euros (2020). The company's product portfolio includes vans, trucks, buses/coaches and diesel and gas engines along with services related to passenger and cargo transport. MAN Truck & Bus is a company of TRATON SE and employs more than 37,000 people worldwide.

MAN Truck & Bus
Dachauer Straße 667
D-80995 Munich

Should any questions arise, please contact:
Florian Schaffelhofer
Phone: +49 151 11766475
Florian.Schaffelhofer@man.eu
www.man-engines.com/press

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cross-over mode, and hotel mode to boost mode. As the drive systems always have the best possible configuration, numerous driving and operating profiles can be set up efficiently. These include economical driving styles in order to boost the range, as well as the ability to call up more power as a “power boost” option. The unique hybrid system from MAN Engines also enables emissions to be reduced down to zero, and even allows for a zero-emission power supply when the boat is anchored.

The pioneering MAN Smart Hybrid Experience combines all the advantages of a conventional drive system with the latest possibilities afforded by electric motors and batteries. In addition to improving efficiency and extending the range, noise emissions can be completely eliminated. What’s more, the battery-electric mode means the boat can access future Marine Protected Areas.

