


CAT[®] ENGINES AND HYBRID PROPULSION



Cat[®] Marine engines packaged
with Transfluid hybrid system
and Twin Disc gearboxes

Eneria **CAT**



TRANSLUID
trasmissioni industriali

CAT® ENGINES AND HYBRID PROPULSION

In a continuously evolving environment, caring about resources has become extremely important to protect our planet and next generations. Everyone's actions have an impact on our planet and each and every effort is necessary to reduce global warming.

That's why Eneria , as official Caterpillar dealer in France, offers an easy hybrid solution based on Caterpillar engines with Transfluid parallel hybrid systems and Twin Disc marine transmissions. We contribute to make the Marine Industry greener and safer, to reduce emissions and fuel consumption thanks to our hybrid propulsion solution.

Put electric mode to sail in harbor and in protected/restricted area. Sail in silence and minimise your ecological footprint with reduced emissions.

Discover the 4 operating modes of this hybrid solution :

ELECTRIC MODE

Sail at Zero Emissions and in absolute silence

BOOSTER MODE

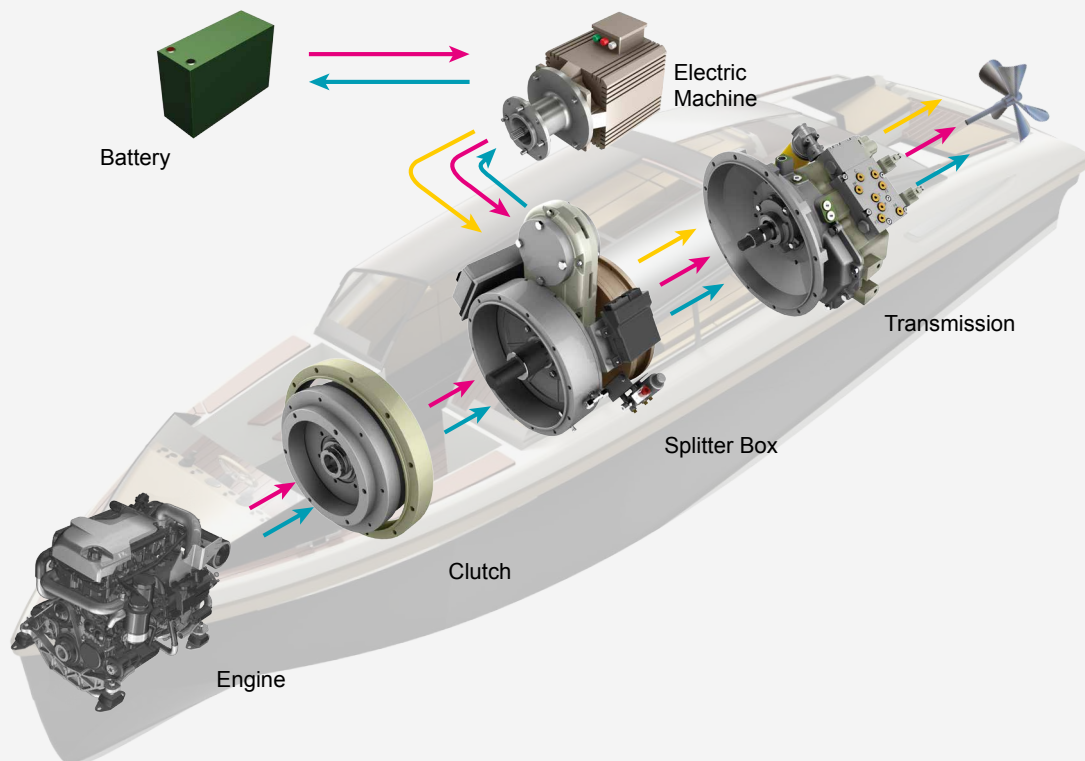
Use the electric motor to assist the engine and get extra power with no costs

ENGINE MODE

Use the electric motor as generator to recharge the batteries

Diesel Mode

Diesel propulsion with Cat engines for traditional navigation



CAT® ENGINES AND HYBRID PROPULSION

Cat® Engine C8.7 - 650 HP



Hybrid module HM3350



Eneria integrate Cat® engine C8.7 with Twin Disc & Transfluid products for a hybrid propulsion line

CAT® ENGINES



Cat® C9 ACERT™ Engine



Cat® C12 ACERT™ Engine



Cat® C18 ACERT™ Engine



Cat® C32 ACERT™ Engine

The parallel hybrid solution is suitable for Cat® engines from 250 HP to 1600HP (C7 to C32).

It is available for commercial and Pleasure Craft applications (A rating to E rating) and can fulfill Marine classification requirements

Transfluid hybrid solution is available from 8kW to 300kW of electric power



HM 2000



HM 3350



HM 6300

CAT® ENGINES AND HYBRID PROPULSION

Eneria 

Eneria is a specialist in power generation and engine systems. As Caterpillar's exclusive dealer in France and in several foreign countries, Eneria is recognized for its expertise and know-how in servicing, installing and maintaining Caterpillar UPS, generator sets and engines. We provide Cat engines, auxiliary engines, propulsion engines and generator sets for marine market. We are present in a variety of marine application : Yachting, Tugboats, merchant ship, supply boat, Passenger Vessel, Patrol Boat. Cat marine engines vary from C7 with 250HP to C280 with 7500 HP. We provide expert advice in choice of propulsion, right from the start with close partnerships with builders until engine maintenance with our AMD network and our marine workshop in La Ciotat Shipyard.

For more information: Contact us at marinecommercial@eneria.com or visit us at www.eneria.com

TRANSFLUID
trasmissioni industriali

Founded in Milan Italy in 1957, Transfluid has always been a point of reference in the world of industrial transmission equipment and the standard that its competitors measure themselves. Fluid couplings, variable speed drives, brakes, clutches, couplings and hydraulic transmissions constitute the core of the product line. Italian dynamic innovation, coupled with ongoing staff development and more than fifty years of hard-earned expertise, are the foundation of the company's success. Transfluid produces a range of parallel hybrid systems for marine and industrial applications, simple and adaptable with SAE standards for all types of engines and transmissions. In addition to the Italian Headquarter. Transfluid sales network consists of six branches located in Australia, China, France, Germany, Russia and United States, one representative office in Brazil and 32 distributors located throughout the world.

For more information: Contact us at info@transfluid.it or visit us at www.tranfluid.eu

**TWIN DISC**

Twin Disc, Inc. designs, manufactures and sells marine and heavy-duty off-highway power transmission equipment. Products offered include: marine transmissions, surface drivers, propellers and boat management systems, as well as power-shift transmissions, hydraulic torque converters, power take-offs, industrial clutches and control systems. The Company sells its products to customers primarily in the pleasure craft, commercial and military marine markets, as well as in the energy and natural resources, government and industrial markets. The Company's worldwide sales to both domestic and foreign customers are transacted through a direct sales force and a distributor network.

For more information: Contact us at tdbelgium@twindisc.com or visit us at www.twindisc.com

MORE PLEASURE WITH AN ENVIRONMENTAL FRIENDLY SOLUTION

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