

APPLICATIONS



**OPTIMISING
YOUR ENERGY**



Marine Propulsion

Power that drives you forward,
efficiency that lasts.



Cruise
ships



Naval
vessels



Offshore special-
purpose vessels



**MARINE
CERTIFICATIONS**



RELIABILITY



**CUSTOM-
ENGINEERED**

**Compact, reliable transformers
for the marine propulsion
systems of tomorrow**

**The first stage in the power
conversion system supplying
the ship's propulsion.**



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Made in France





Selected landmark projects

- **Shipping & Cruises companies:** MSC Cruises, Cunard, Celebrity Cruises, Costa Cruises, Regent Seven Seas Cruises, Silversea Cruises, Disney Cruise Line, ...
- **Shipyards:** Chantiers de l'Atlantique, Fincantieri, Meyer Werft, ...
- **Cruise ships:** Queen Mary 2, MSC Preziosa, Disney Dream, ...
- **Amphibious Assault Ships (AAS):** Mistral, Dixmude, Tonnerre, ... for the French Navy.

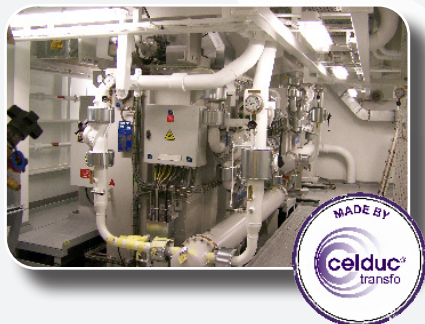
Converter Transformers

- ✓ Consideration of rectifier-generated harmonics.
- ✓ Dual-secondary transformers (Dd0y1).



AC

Shipboard power supply



AC / DC
Conversion



DC / AC
Conversion



Pod Motors

Custom-engineered design

- ✓ Adapted to your space constraints and electrical system requirements, with a strong focus on reliability,
- ✓ Designed for demanding onboard environments (engine-room and cooling-water temperatures, vessel motion, etc.),
- ✓ K-class insulating fluids: synthetic ester (MIDEL) or silicone fluid,
- ✓ Enhanced anti-corrosion protection (CX paint system),
- ✓ Special tests: winding capacitance measurement, short-circuit withstand test, partial discharge measurement, dissolved gas analysis, etc.

Compact Design

- ✓ Typically KFWF cooling, without radiators, allowing for a reduced footprint.

Accessories

- ✓ Integration of a wide range of accessories: pump(s), plate or shell-and-tube heat exchangers, valves, flanges, thermometers, flow switches, etc.



OUR EXPERTISE, YOUR PERFORMANCE



+45,000 MVA
in operation



Marine classification
certifications



Trusted
partner



Support
throughout
your project

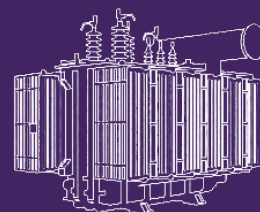


Services &
Support



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