APPLICATIONS

OPTIMISING YOUR ENERGY

celduc® transfo

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.

www.celduc-transfo.com

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, ...

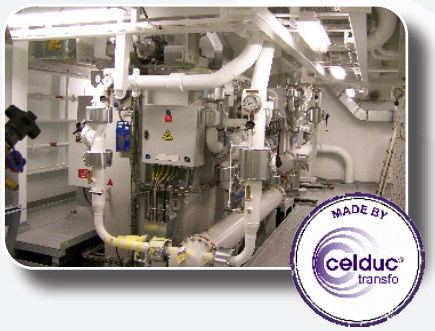
. Shipyards: Chantiers de l'Atlantique, Fincantieri, Meyer Werft, ...

. 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

celduc® transfo

5, rue Ampère
42290 Sorbiers – FRANCE
Tel : +33 (0) 4 77 53 90 10

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