



Company presentation

December 2020

Products

Innovation – Development – Design



Défense

Onboard Network

Powertrain

Storages

Protections


Power converters and Systems



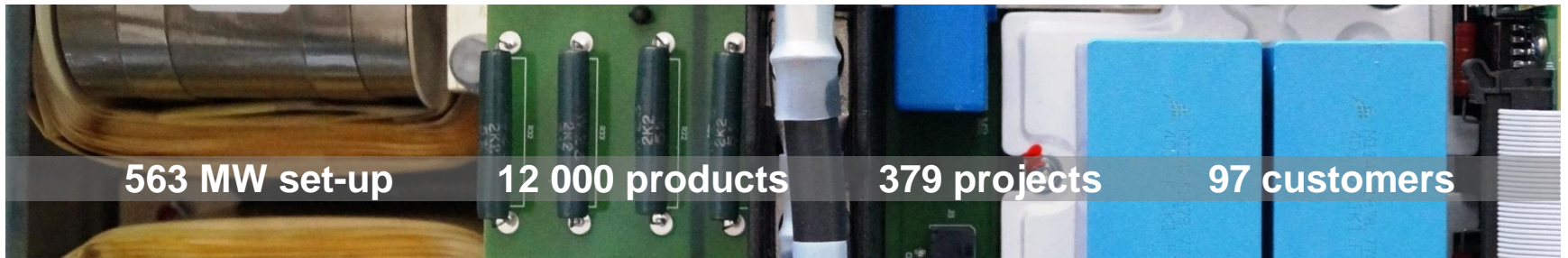
5 kW to 5 MW



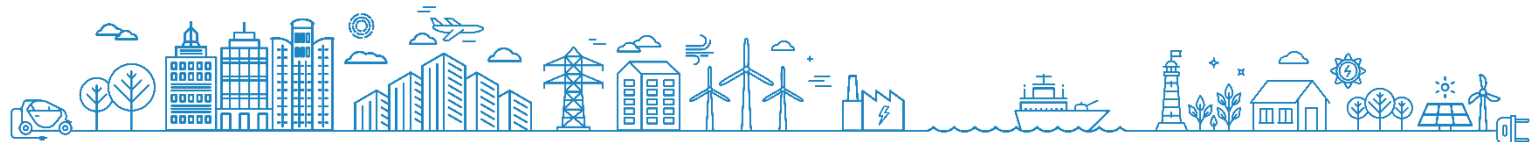
50 V to 50 kV



Prototypes up to
5 kU/year



563 MW set-up 12 000 products 379 projects 97 customers



Example of application

Integrated Hybrid Offer for Frigate



Sonar power supply

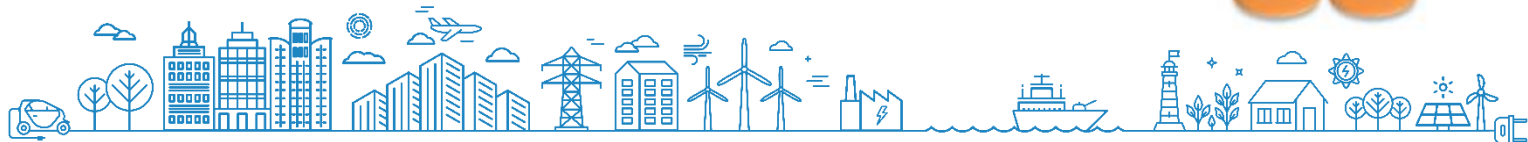
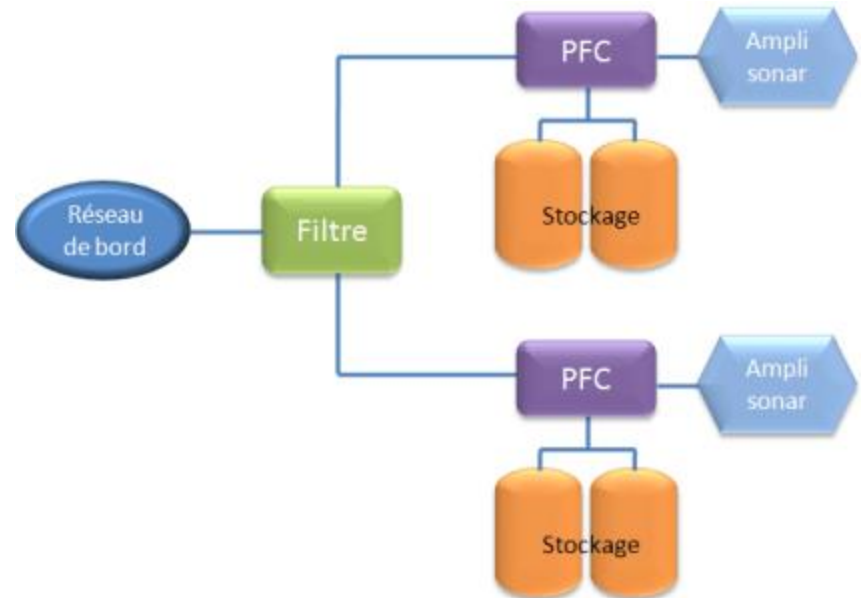
Navy

Power of 46 kW

2 converters:

PFC: AC/DC

Storage management: DC/DC



Speed drives for traction motor – dozens of kW

Speed drives / reversible inverters in SiC technology – dozens of kW

Reversible isolated and non-isolated DC/DC – several dozens of kW

Power distribution and protection units in SiC for embedded storage

CONFIDENTIAL



Some demonstrators

Supercaps and hybridization

► Project CETIP

Project for the DGA involving Eurocopter – Femto-ST – CIRTEM

Objectives:

- ✓ Hybridization of high-speed machines, Li batteries, supercaps
- ✓ Coupling of the DC HV and LV networks by isolated reversible DC/DC

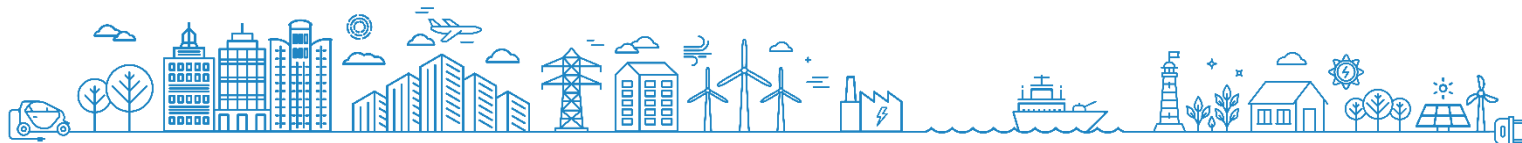


► Project ECCE

Project for the DGA involving Femto-ST – CIRTEM

Objectives:

- ✓ Hybridization PAC, supercap
- ✓ Traction variator





Contact

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