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## Company presentation

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December 2020

# Products

Innovation – Development – Design



Défense

Onboard Network

Powertrain

Storages

Protections


## Power converters and Systems



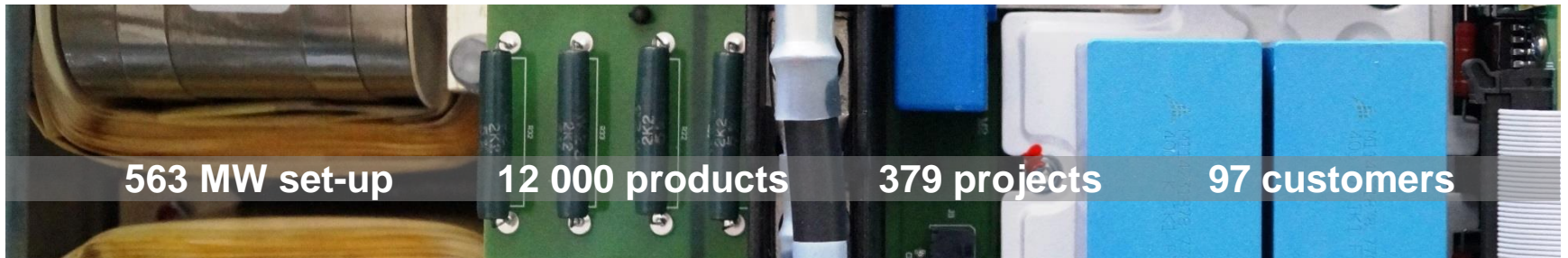
5 kW to 5 MW



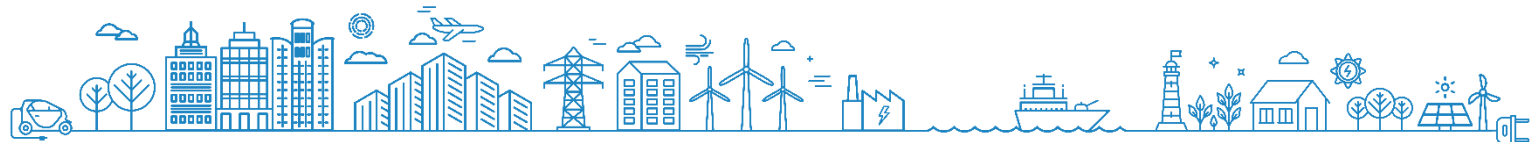
50 V to 50 kV



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

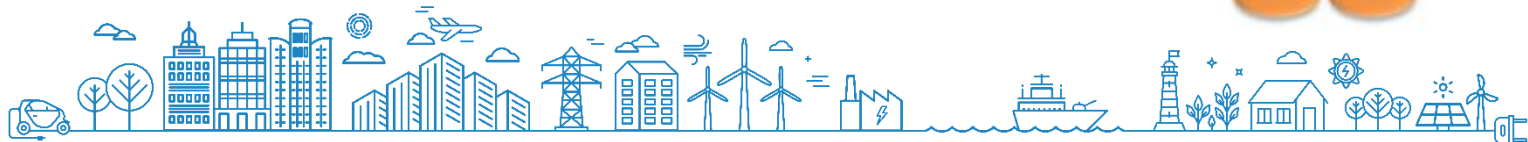
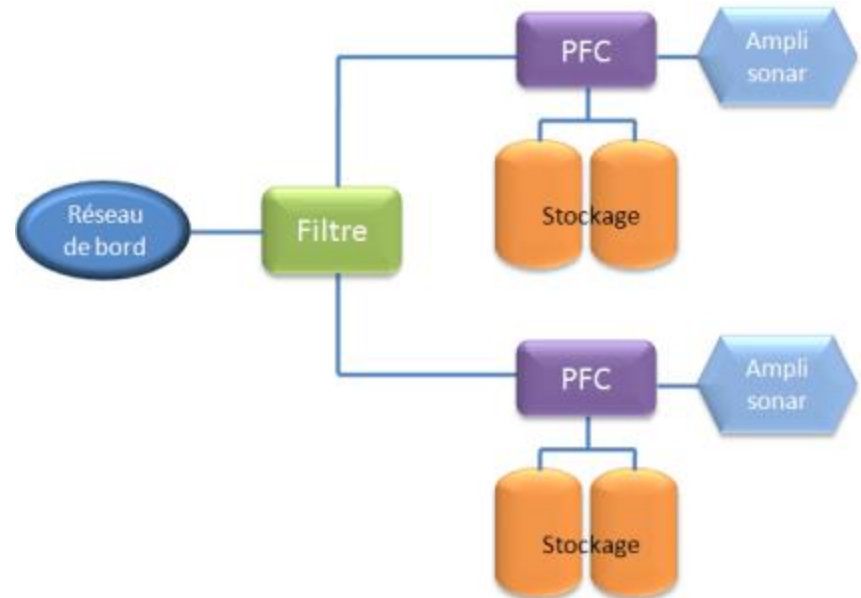
Navy

Power of 46 kW

2 converters:

PFC: AC/DC

Storage management: DC/DC



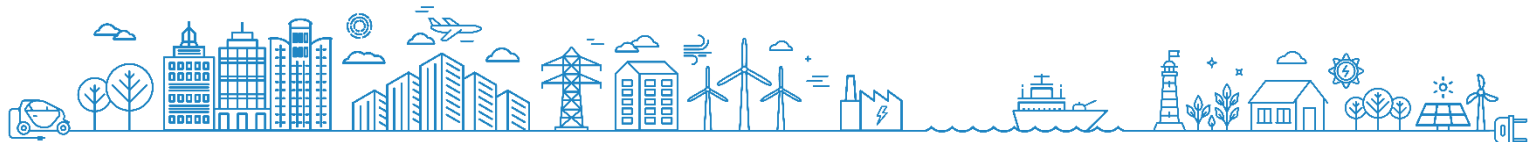
Speed drives for traction motor – dozens of kW

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

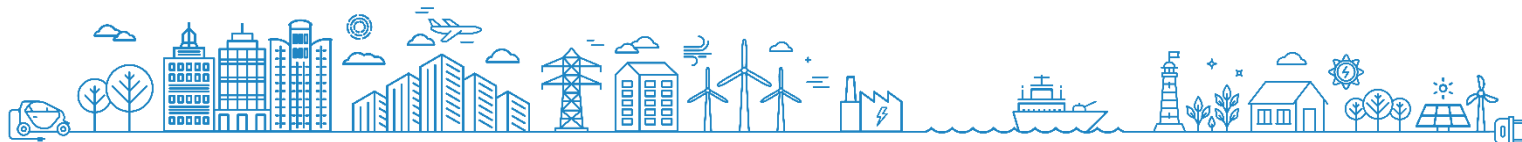


#### ► Project ECCE

Project for the DGA involving Femto-ST – CIRTEM

Objectives:

- ✓ Hybridization PAC, supercap
- ✓ Traction variator





## Contact

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