



DC POWER 4 Industry



Project Idea

**Medium voltage DC grids
to power industrial appliances
for the decarbonized industry**



Organization

CEA-LITEN
Solar Energy Department
Chambéry, France



Topic(s) /
focus area(s)

CID-01: Clean energy usage in production
CID-02: Enhanced zero-emission power technologies





Who we are

CEA is the largest industrial technology developer in France

Large experience and high success rate in EU-funded projects

CEA coordinates the EU funded DC-Power project



Expertise:

- DC grids,
- Solar PV systems,
- Battery storage systems,
- power converters

Medium voltage DC grids to power industrial appliances

A novel power distribution concept

- **DC** to reduce conversion losses
- **Medium Voltage** to reduce distribution losses

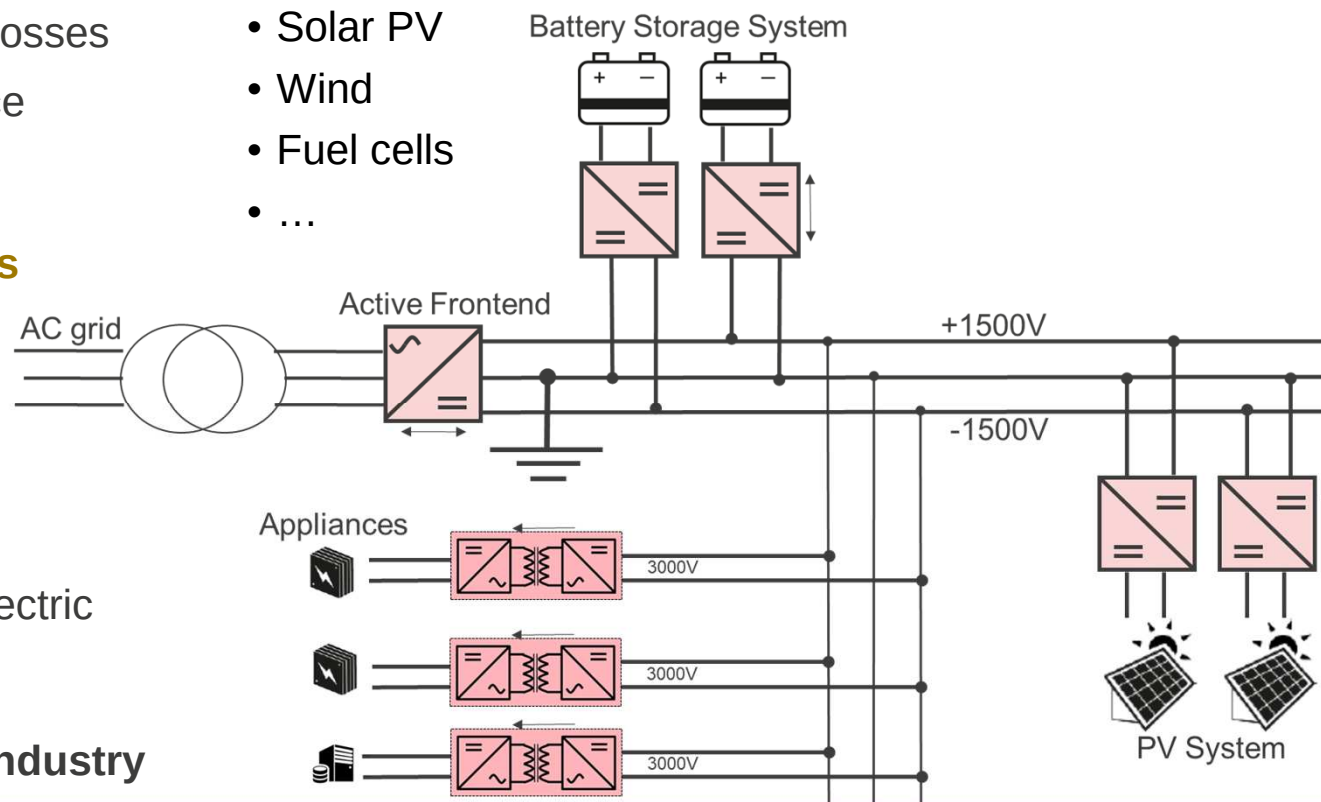
... for MW size applications

- Electrolysers
- Data Centres
- Galvanisation
- Inductive heating
- High power charging of electric vehicles

... any electro intensive industry

... for renewable powering

- Solar PV
- Wind
- Fuel cells
- ...



Partners sought

- Equipment manufacturer for
 - Industrial electrical heat supply
 - Induction furnace
 - Arc furnace
 - Heat pumps
 - ...
- Industrial partner interested in
 - Replace fuel powered heat with electricity powered
 - Use EU-funding to get financing for a first demonstrator



Contact details



**Contact
person**

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