

MYRTE



- CEA
- EDF
- University of Corse

CUSTOMER



- > 5 million €

VOLUME



- 6 years (since 2011)

PROJECT DURATION



- H2 system (electrolyzer, fuel cell)

SCOPE



Since already **more than 6 years** Myrte is tested on the island in Corsica, the successful application of **H2 technologies on the stabilization of the grid**. Besides, are used in Myrte a **PEM electrolyzer** for the storage of the solar stream, as well as a **fuel cell** for the reconversion to electricity. On account of the good results, the system has already been extended in 2014.

■ Technical data (battery system)

- ◆ Input power: 115 kW
- ◆ Output power: 150 kW
- ◆ Storage capacity: 1,75 MWh

■ Technical data (solar field)

- ◆ Installed capacity: 560 kWp

■ Efficiency

- ◆ Total 75-80% (including thermal heat use)
- ◆ Electrical 30-35%

■ Systems capabilities

- ◆ Grid stabilization
- ◆ Reserve energy
- ◆ Grid integration of large wind parks
- ◆ Isolated network management
- ◆ Electricity supply outside of grid

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With the reference project MYRTE Framatome proves the H2 based technologies are important to successful energetic transition. Further we could prove one more time our competence in this field.

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