In 2009, Solaire direct the second largest electricity producer in France built the solar power plant of Les Mées La Mouisse in the “Alpes de haute Provence”.

Today, on this same site, Solaire direct has entrusted Engineering Procurement & Construction (EPC) to Q CELLS (one of the largest solar power plant and cubicle manufacturers) of Les Mées Haute Montagne photovoltaic power plant.

With a capacity of 12 MW, this new power plant is made up of 53,000 solar panels (220 and 230 watts peak) spread over approximately 25 hectares.

Like the first one, this project is intended to be an example of eco-friendliness by complying with the most stringent standards: clean technologies, a facility that blends harmoniously into the landscape, contains no permanent structures and with fully recyclable panels.

Schneider Electric is in charge of the supply and installation of the complete energy conversion and distribution system as well as the maintenance and operating contract.
Solution and services:
Supply and installation of a photovoltaic energy conversion and distribution system, including:

- Electrical protection studies and adjustments
- Studies, supply and installation of the electrical system between the solar modules and the EDF power grid including Xantrex inverters
- Overall project management of the electrical package and partners and subcontractors coordination
- On-site commissioning
- 20-years operational and maintenance contract.

Electrical network:
- 10 transformation station of 1 MVA each equipped with:
  - 2 GT500 Xantrex inverters
  - 1 X 1 MVA transformer
  - Medium voltage cubicle
- 2 X 500 kVA transformer stations each equipped with:
  - 1 GT500 Xantrex inverter
  - 1 X 500 kVA transformer
  - Medium voltage cubicle
- 1 X 20 kV grid connection station
- 88 array boxes
- Installation and commissioning of the complete electrical system

Monitoring system:
- A current measurement on each input of the array boxes
- A voltage measurement in each array box
- A data logger in each transformation station
- A global data logger in the grid connection station
- Local and remote monitoring system

OTHER REFERENCES
- Ground-based arrays
  - France - Vinon Sur Verdon (4.2 MW)
  - France - Les Mées 1 - La Mouisse (12 MW)
  - France - Gabardan (20 MW)
  - France - St Clar (8.9 MW)
  - Italy - Cellino San Marco (43 MW)
- Buildings
  - Spain - Saragossa (10 MW)
  - Spain - Villacañas - Toledo (2.5 MW)
  - Spain - Molina De Segura - Murcia (300 kW)
  - Reunion & Mayotte Islands - 7 shopping centers
  - Casino (16 MW)