

# SOLAR PARK LE LAUZET 2

## Département Alpes-de-Haute-Provence, France



### Project data

System name:	Le Lauzet 2
Operator:	E.ON Climate & Renewables GmbH
Energy company:	EDF
Location:	Le Lauzet-Ubaye, Département Alpes-de-Haute-Provence
Commissioned:	July 2010
Completion time:	10 weeks

### Technical data

Rated system power	1.542 MWp	No./type of modules	6,720 from Trina TSM 230 Wp and TSM 225 Wp
Annual energy yield	approx. 2,130 MWh	Inverter	Xantrex GT100E
Equivalent to the power consumption of	approx. 533 families**	Construction type	Ground-mounted
Feed-in tariff/kWh	EUR 0.314	Tilt angle	25°
Feed-in tariff p.a.	approx. EUR 668,820	Frame technology	CWF
CO <sub>2</sub> -savings p.a.	approx. 191.7 t*	Orientation	South

\* Source: Value 90 g CO<sub>2</sub> saved per kWh as reported by DGEMP (Direction générale de l'énergie et des matières premières) in 2007

\*\* Calculation basis: Average single family (4 persons) electricity consumption of 4,000 kWh a year

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Michel Lanfranchi, Mayor of the Municipality of Le Lauzet-Ubaye

**"Our aim in having a Solar Park was prompted by two reasons in particular:**

- our contribution to developing and promoting renewable energies within the framework of the resolutions passed as part of the Grenelle Environment Forum
- creating new sources of income for our municipality

**We believe that these actions enable us to fulfil our mandate as a responsible parliamentary representative."**

### **A premiere in the French market: solar park at a height of 1,000 metres above**

Phoenix Solar has built its first French ground-mounted project – a solar plant with a peak power of more than 1.5 MWp several 100 metres above the damn near Le Lauzet-Ubaye for E.ON Climate & Renewables GmbH.

This ambitious project was not without its hurdles: The road leading to the 1,000-metre high site was narrow and winding and not suitable for regular construction vehicles. All components had to be transferred onto smaller four-wheel lorries which manoeuvred their loads carefully up to the site. The main challenges were, on the one hand, to drive piles into the rocky ground to support the sub-structure and, on the other, the generally extreme weather conditions which also hampered construction progress and necessitated special measures.

Thanks to skilful project management and our efficient local sub-contractors, "Le Lauzet 2" was finished on time. Now, 6,720 modules are generating more than two million kilowatt hours p.a. of environmentally compatible electricity for some 550 households.

This solar park is a first for Phoenix Solar AG on several counts: France as the photovoltaic market of the future, E.ON Climate & Renewables GmbH as a renowned principal, and a challenging project site which sets benchmarks in construction management.

"The close and open communication with the Phoenix Solar project team members is the basis for further joint projects", affirmed Volker Barnewold, Le Lauzet project leader for E.ON Climate & Renewables GmbH.

