



## A French leader in the solar energy sector

**Solarezo is a French specialist in photovoltaic solar energy and biomass** (energy wood) founded in 2006. Since then, we have grown from 5 employees in 2008 to 60 in 2010, and we are expecting to reach 200 in 2012. As we have grown, we have developed an integrated approach and **our line of work now covers the entire value chain :**

- **Manufacture** of mono and polycrystalline solar modules in our French factory,
- Technical and feasibility **studies** as well as environmental analysis,
- **Installation** of photovoltaic systems on various customers rooftops : service-sector, commercial, industrial or farm buildings, existing or new, households, etc,
- Development, design, construction, operation, commissioning and maintenance of **photovoltaic solar power parks**.

Solarezo is an independent company : it is family owned and we are close partners with Landes company DRT (Dérivés Résiniques et Terpéniques), the reference shareholder of Solarezo. We had turnover of €10 million 2009 and €22 million in 2010. We have great experience, in particular through the construction of our 9 MWp PV power plant in St-Clar (South West France), and guarantee the high quality of our products and services.

### **INTERNATIONAL DEVELOPMENT**

In addition to being well established on the French solar PV market, we have expanded our activities internationally since early 2011. Our focus in this strategy includes :

- Exporting modules from our French factory
- The development, design, construction, operation and maintenance of PV power plants
- Building photovoltaic greenhouses





▲ Tabber-Stringer



▲ Encapsulant Sheets Roll & Cut



▲ PV modules storage

## A STATE OF THE ART PRODUCTION TOOL

Solarezo is one of the largest French manufacturers of crystalline solar modules.

We are lucky enough to have extensive land of 18 hectares with 36,000 sqm of covered industrial facilities in the Landes region of South West France. We manufacture our own PV modules, **employing some 80 operators, office employees and executives locally.**

We expanded our annual manufacturing capacity from 10 to **75MW in Q2 2011, through our new production line.** This new line can handle several types of modules in the framework of the Solarezo research policy. **The technology will be crystalline, either in mono or poly version,** with 54, 60 and 72 cells as well.

Solarezo handles **maintenance of all its facilities through customized service contracts.** We are a responsible company and a member of the PV Cycle association for **recycling photovoltaic systems and their components.** In the future, the site will include a waste-collection facility for used modules.

## THE DUAL «ACTION PIN» PROJECT

We have conducted a dual project at the «Action Pin» production site in the Landes region (South-West France) : a ground-mounted photovoltaic plant (20 trackers of 20 m<sup>2</sup>) and three rooftop facilities, representing installed capacity of 400 kWp. Solarezo handled the project from end to end itself : studies, design and installation.

### Technical data

- Total installed power: 400 kWp
- Total surface area of panels : 2,980 sqm
- High-voltage injection (20,000V)
- Duration of studies: 4 months
- Duration of construction : 6 months

### On the 3 buildings rooftops :

- 1387 modules
- Peak power: 291.3 kWp



# THE «SAINT-CLAR» 9 MWP SOLAR PARK

Solarezo benefits from genuine experience through the construction of a 9MW photovoltaic power plant connected to the grid in July 2010, in the Gers region, in South West France. At this time, it was the most powerful solar energy park in France with crystalline panels (9 MWp / 23 hectares).



We **handled all the steps in this project** – development, design, construction, operation and maintenance – to **make it exemplary** :

- Preserving the natural layout
- Using detachable screws to fix the structures bearing the panels.
- 9 «biodiversity areas» scattered around the plant to allow local wildlife to cross the energy park
- A landscaped hedge around the park composed of 21 different plant species to fit the project perfectly into its surroundings
- A «clean» construction site limiting the number and frequency of deliveries and sorting all the construction waste
- During the operation phase, land ground maintenance is currently provided by organic sheep breeding

## Technical data

- Total installed power: 9 MWp
- Total surface area of land : 23 ha
- Annual output : 11,000 MWh / equivalent 4,000 households, a saving of 4,000 tons of CO<sub>2</sub> emissions
- 42,432 modules
- 884 structures installed
- 14 km of trenches, 72 km of cable ducts, 83 km of cabling installed
- 8 transforming stations and 1 delivery point
- 7,072 screws installed (margin of error 5mm) on 15.5 hectares
- Duration of studies : 21 months
- Construction time : Sept 2009 to June 2010
- Connection : July 2010
- Partnership with Schneider Electric for engineering, monitoring.



## Ground-mounted plant :

- Deger single-axis trackers
- 520 modules installed on 20 trackers
- Peak power : 109.2 kWp



We are determined to contribute to the emergence of a competitive photovoltaic sector worldwide, through **our competitive advantages** :

- Expertise and references
- High quality of our products and services
- Excellent guarantee policy
- End-to-end mastery of the photovoltaic chain
- Multidisciplinary teams (building / roofing / electricity / PV...)
- The quality of a French manufacturer
- Dismantling through innovative lease
- Environmentally-friendly solutions
- Designed in close liaison with the customer
- Quality of preliminary feasibility studies
- Top-quality technical solutions

We would be glad to **welcome any current or future partners to visit our production site and major projects** – Action Pin and 9MWp in St-Clar.



▲ «Saint-Clar» Project : Our 9 MWp Solar Park



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