

COMPANY PROFILE

Founded in 2008, **Solar-Tech Engineering** is a fast-growing company involved in the photovoltaic market. The firm is located in the east of Belgium, at the crossroads between Germany and the Netherlands.

Solar-Tech started its activity with the installation of photovoltaic power plants for private individuals and enterprises. **Solar-Tech Company** subsequently developed:

- *Structures designed for flat roofs;*
- *Structures embedded in the ground;*
- *Two-axes solar trackers.*

Solar-Tech Engineering also diversified its activities and created a branch specialized in developing autonomous photovoltaic systems: **WATTUNEED**.

Our online-sale website www.wattuneed.com enabled us to make inroads into a booming market.

These devices are made up of photovoltaic modules, a charge controller, batteries and an inverter. They are currently distributed in Europe, Africa, America and the Middle East. Via our website www.wattuneed.com, we distribute photovoltaic equipment to private individuals and companies all over the world.



With our local partners, we are building self-contained photovoltaic plants around the world. Solar-Tech analyses its clients' specific needs in order to offer them suitable and innovative solutions.

Our company runs energy projects from their conception to their installation. Specialized in the smart-grid field, we incorporate different energy sources into global solutions. Our expertise in the area of backup power supplies or uninterruptible power supplies (UPS) makes it possible to deal with power-failure issues efficiently .

The on-site assembly of the devices can be carried out by our experienced team or by our local partners.

With our expertise in stand-alone and industrial photovoltaic systems, we come in direct contact with manufacturers and we take part in the design of tomorrow's equipment. Today, we are offering innovative products: flexible panels MXFlex, hybrid inverter, self-standing tracker...

Our leading providers are:



We have designed and built hybrid and autonomous photovoltaic systems on all surfaces and for a variety of uses, such as:

- *Hybrid photovoltaic installations: PV and power generator on a houseboat on the Meuse.*
- *Autonomous photovoltaic installations: solar tracker on houseboats for river navigation.*
- *Autonomous or hybrid domestic photovoltaic installations: PV and public network in Belgium, France, Spain, Guadeloupe, Martinique, Morocco, Burkina Faso, Ivory Coast, Benin, Senegal, DRC,...*
- *Hybrid solar installations: PV and power generator in three ministries in DRC.*

We have been consulted concerning the study on the Telecom relay power by photovoltaic systems. We have dimensioned systems able to meet relay antenna's energy demands and to guarantee the security of supply thanks to equipment redundancy.



REALIZATIONS

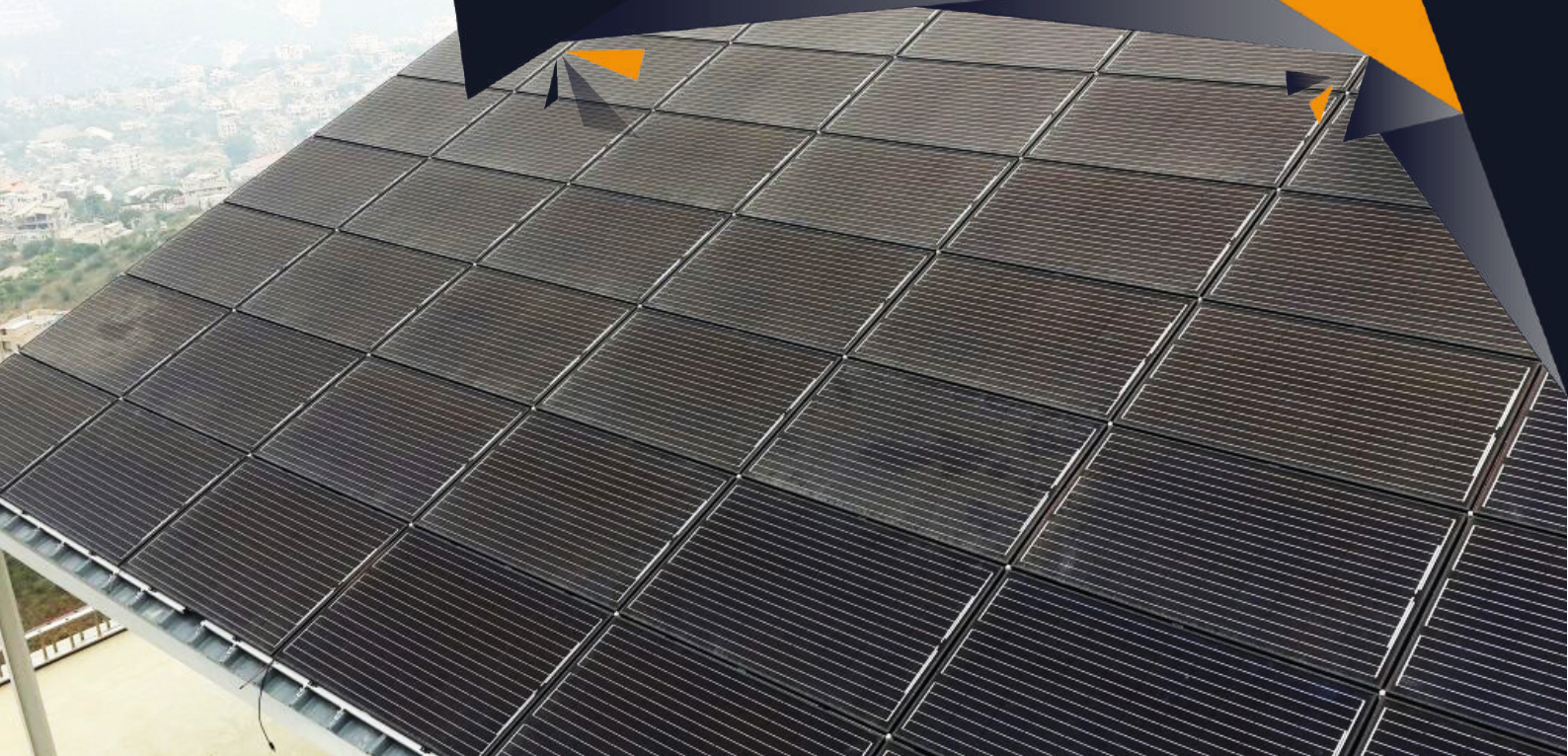
INDUSTRIAL INSTALLATION



Realization of the power supply of a relay antenna in Lebanon - «My Lebanon»

Realization of the autonomous supply of construction site offices on the Lafarge site





Realization of a **90 kVA** photovoltaic power plant connected to the grid



Realization of a **75 kVA** photovoltaic power plant connected to the grid

REALIZATIONS

INDUSTRIAL INSTALLATION



Realization of a photovoltaic power plant in Togo in **320 kVA** isolated site, **156 kWp** photovoltaic field and **OPzS** storage batteries supply **1.5MWh**



Autonomisation of the lighting of the football stadium in Ouagadougou-
Burkina Faso



Design and realization of customized load-bearing structures and solar track



Battery park installation

GLOBAL STANDALONE SOLUTION

Hybrid solar power



AUTONOMOUS INSTALLATION

Current even without a network



10kW to more than 1MW
Intelligent management
Recovery of the cos phi
Erasing consumption peaks
Security of supply

INTELLIGENT ENERGY MANAGEMENT

The ideal solution to supply a house for self-consumption or to make an isolated site autonomous.

