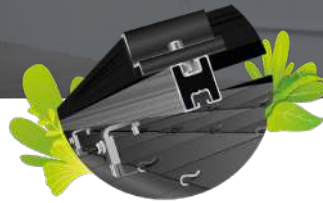




## COMPANY PROFILE

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](http://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](http://www.wattuneed.com), we distribute photovoltaic equipment to private individuals and companies all over the world.





Together with our local partners, we are building stand-alone photovoltaic power plants all over the world. **Solar-Tech** analyzes the specific needs of its customers in order to offer them adapted and innovative solutions.

Our company manages energy projects from their conception to their installation. Specialized in the field of smart grids, we integrate different energy sources into global solutions. Our expertise in the field of emergency power supplies or uninterruptible power supplies (UPS) enables us to effectively deal with power failure problems.

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

Thanks to our expertise in autonomous and industrial photovoltaic systems, we are in direct contact with manufacturers and we participate in the design of the equipment of tomorrow. Today, we offer innovative products: MXFlex flexible panels, hybrid inverter, autonomous tracker ...

**Our main suppliers are:**

**MXFLEX**

**Q CELLS**



**HOPPECKE**  
POWER FROM INNOVATION

**Ultracell®**

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

- *Hybrid photovoltaic installations: PV and electricity 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 electricity generator in three ministries in the DRC.*

We were consulted regarding the study on telecoms power relay by photovoltaic systems. We have dimensioned systems capable of meeting the energy demands of relay antennas and guaranteeing security of supply thanks to the redundancy of equipment.



# REALIZATION

## INDUSTRIAL PLANT

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



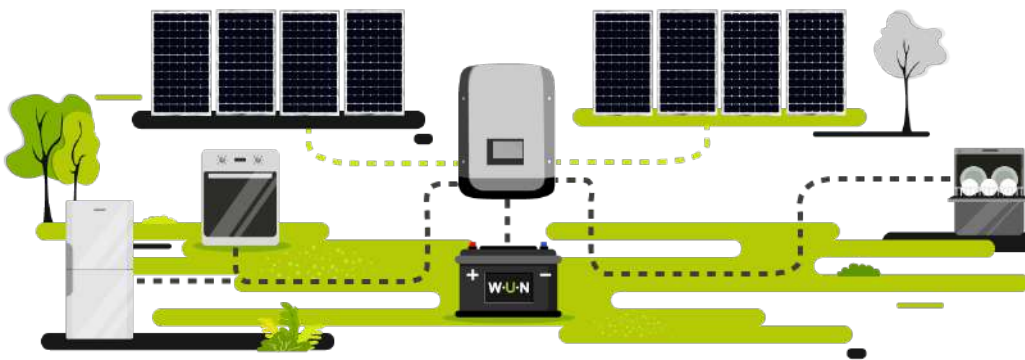
Realization of the autonomous supply of site offices on the Lafarge site



# REALIZATION

## INDUSTRIAL PLANT

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



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

# REALIZATION

## INDUSTRIAL PLANT



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



Autonomous lighting of the Ouagadougou football stadium **Burkina Faso**.





Design and production of bearing structures and tailor-made solar trajectories



Installation of battery banks.





## GLOBAL AND AUTONOMOUS SOLUTION

Hybrid solar energy

## STAND-ALONE INSTALLATION

Current even without grid



10kW to over 1MW  
Intelligent management  
Recovery of cos phi  
Clear consumption peaks  
Security of supply

## INTELLIGENT ENERGY MANAGEMENT

The ideal solution for supplying a home for self-consumption or for making an isolated site self-sufficient.

