

# FLEXISUN

## Increase autonomy & resiliency Lower energy costs Reduce carbon emissions

The energy-related challenges you face are unprecedented. Today, supply volatility, price hikes and international regulations are making distributed renewable energy increasingly necessary.

But what is the best way for you to address these issues? How can you guarantee a reliable supply of clean energy while reducing costs? And how can you meet your decarbonization targets by maximizing your onsite green self-consumption?



INDUSTRIES



COMMERCIAL



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## FLEXISUN, ENGIE's solution bundling Onsite Solar PV with Battery Storage

ENGIE has developed Flexisun so that the green energy you produce onsite can be consumed at night, when the sun is not shining and/or the wind is not blowing. Whether you are responsible for a business, a city or a community, you can benefit from our bundled battery storage and renewable energy such as solar and wind to increase your independence from grid electricity consumption.

In so doing, you will reduce peak demand and CO<sub>2</sub> emissions, as well as decreasing your overall electricity bill. You can also use the battery to optimize energy reliability, benefit from tariff optimization and demand-side response. Plus, you will be able to participate in grid ancillary services.

### How you benefit

#### Increased energy autonomy & resilience

Increase self-consumption of solar PV electricity and offset grid demand by using your battery. Your storage system also increases your resilience.

#### Reduced & secured electricity price

Flexisun offers long term and stable green energy supply contracts (e.g.: onsite PPA) that account for the financing and operations of the assets, combined with value stacking of the battery.

#### More onsite renewable energy

To accelerate decarbonization, store surplus renewable energy and use it when there is no sun or wind. Other clean energies can also be integrated.

#### Energy-as-a-service

Focus on your core business and benefit from a risk-free solution with no upfront investment thanks to solar PV and storage fully designed, installed, financed, operated and maintained by ENGIE.

### 1 solution, 2 configurations

**ON-GRID:** Maximize green on-site consumption while offering affordable and stable pay-per-use tariffs (behind-the-meter)

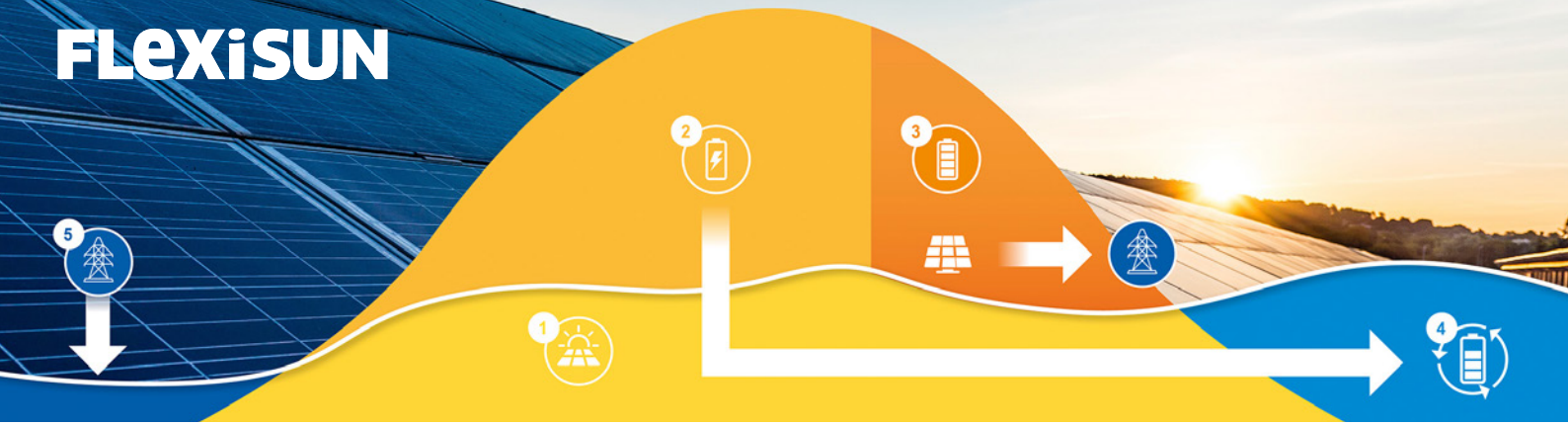
**OFF-GRID:** Reduce fossil fuel consumption and increase energy autonomy

#### A simple, modular & smart solution

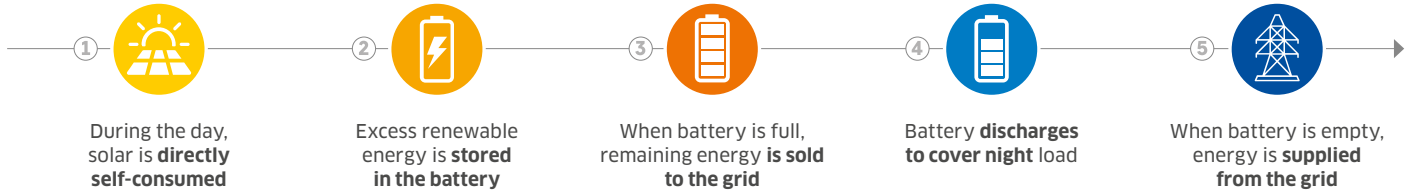
Benefit from ENGIE's global agreements for pre-defined battery packs to reduce development and implementation time. Our Energy Management System accounts for and optimizes your energy flows and future needs.



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## How it works



## Use case comparison

	Solar PV only	Storage only	FLEXISUN
Maximize green self-consumption	**		***
Energy autonomy	*	**	***
Optimization of energy cost	***	*	***
Peak shaving		**	**
Ancillary services or wholesale & energy trading		**	**
EV charging management	*	**	***

## Customer feedback

“**CO<sub>2</sub> neutrality** is a very important ambition for Luik Natie. Thanks to the installation of a battery pack with rooftop solar panels **and our precious collaboration with ENGIE**, we have succeeded in becoming the **first CO<sub>2</sub>-neutral logistics service provider** in the port of Antwerp. ”



Luik Natie CEO

## Why choose ENGIE?

### An experienced player in both solar and energy storage

- 34 GW of renewables installed at the end of 2021
- A large footprint in Distributed PV, with strong local expertise
- 10+ years of experience in battery storage

### A global leader in the energy transition

- A complete set of decarbonization solutions in 15+ countries
- A flexibility portfolio of 750 MW
- 90 TWh in offsite green PPA contracted

### From research, design & financing to building, operating & maintaining

- A single point of contact throughout your project
- Extensive experience of managing complex projects
- A long-term and trusted industrial partner with strong financial capabilities

## Key figures from a key customer

- Energy consumption: **6 GWh/year**
- Onsite Solar PV capacity: **1.7 MWp**
- Onsite Wind capacity: **3MW**
- Auto-consumption: **Without Battery: 39%**  
**With Battery (1.25 MWh): 64%**
- Savings:  
**Energy bill savings: 400 MWh/year**  
**CO<sub>2</sub> emissions avoided: 2,900 T**

Planning your own project? Contact us to discuss your options!  
[flexisun@engie.com](mailto:flexisun@engie.com)

