



**We all have a
future with
the sun.**

Speaker : Paul Cholat

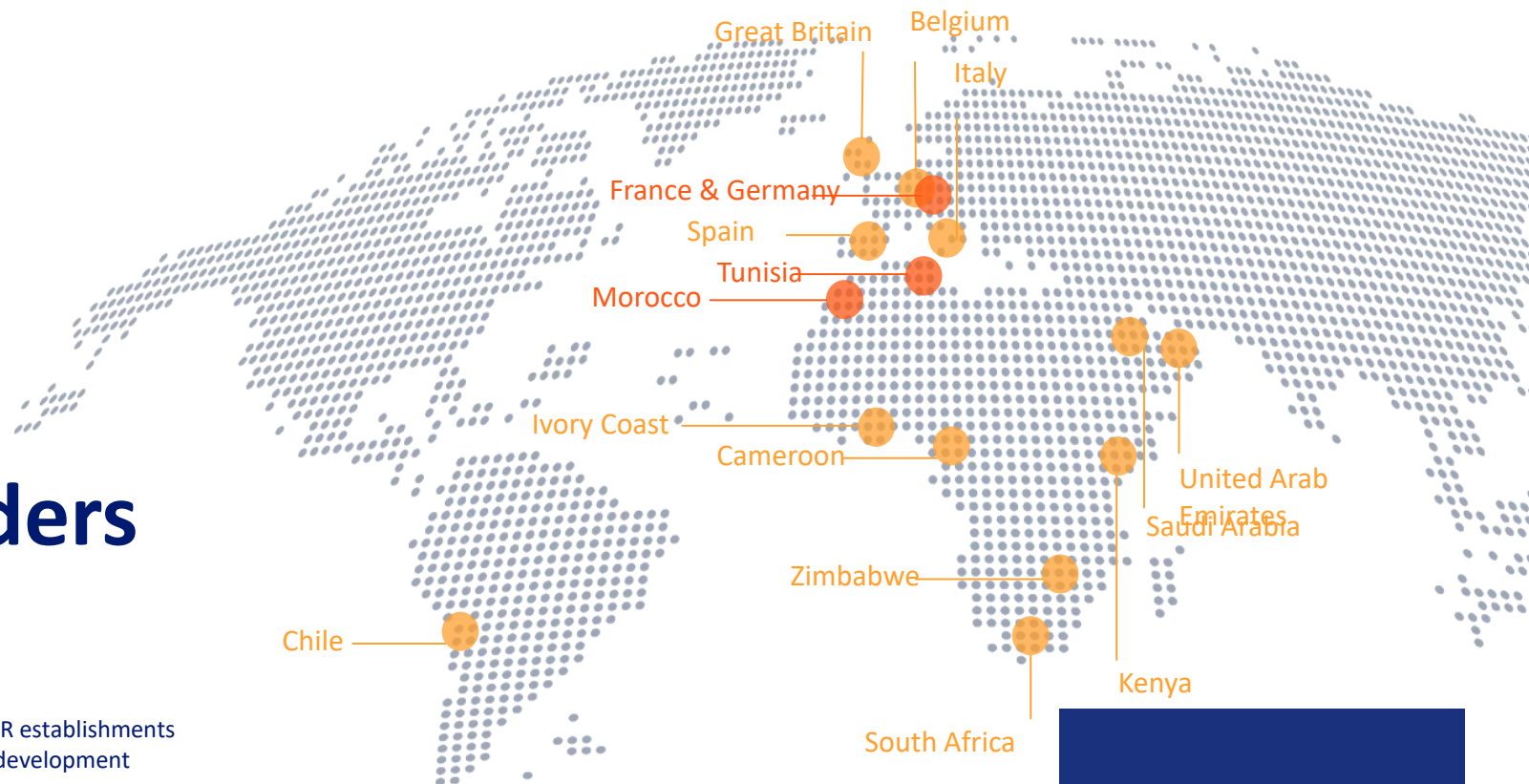
Date : September 2021 - V1.0

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Our vocation

Our vocation has remained the same since 2007 and, today, more than ever, it meets society's aspirations **to develop local production of renewable, carbon-free, and environmentally-friendly energy.**


We are lighting up the future beyond our borders



- EDF ENR establishments under development
- Working together with EDF Group teams




+34000
installations at individual homes in France



30 %
of the market share for own consumption

EUR 160 M
of global revenue in 2020 for the mainland and Overseas Counties (DOM) and Overseas Territories (TOM)
(with Sunzil, 50%-owned by EDF ENR)



≈ 90 MW_p
Independent installations
(with Sunzil, 50%-owned by EDF ENR)



+2,000
installations on business and local authority premises in France

Our photovoltaic solutions for Businesses & Local Authorities

Changing the future faster together



We all have at least 4 good reasons to switch to own consumption

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**Reduce your electricity bill and
secure the price of a kWh**

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**Contribute to energy transition and
communicate on your commitments**

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**Enhance the value your real estate
assets**

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**Monitor, analyse, optimise and
become aware of your consumption**

Each project has the right solution



Solar panels installed on the roof

To produce clean and sustainable energy, for resale or own consumption.



Photovoltaic shades

To protect your vehicles while producing your own energy.



Photovoltaic warehouses

To increase your storage capacity using solar energy



Ground mounted solar panels of less than 10 MWp

To consume your own electricity with your unused land.

Let's work together to find the best solutions that meet **both your requirements and your convictions**

Produce

green, clean and carbon-free energy

Communicate

on your commitment to the environment

Enhance the value

of your real estate assets

Own consumption

- Consume your own electricity
- Reduce electricity bills
- Fulfil part of the CSR commitments.

FOR WHOM?

Businesses and local authorities with large and regular electricity bills (e.g. GMS/Datacenters/industrial sites/logistics warehouses and cold stores)

Purchase obligation

- Enjoy additional income thanks to the resale of electricity
- Finance the renovation of your roof
- Erect a storage building

FOR WHOM?

Businesses and local authorities that have a large roof area or parking lots to develop

Business Case – Industrial Site

Flat roof

800 kWp

Full self-consumption



PROJECT DATA

Type : Flat roof
 Covered surface : 4 200 m²
 Production yield : 1 100 kWh/kWc/year
 Construction duration : 5 months

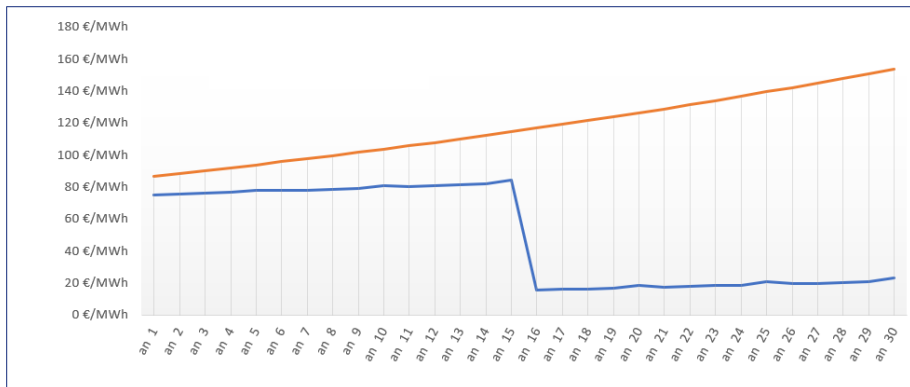
TECHNICAL CHARACTERISTICS

Modules 2 352 units of 340 Wc each
Structure Thermal welding on membrane
Inverters Huawei SUN 2000-60-KTL & 100KTL

FINANCIAL HYPOTHESIS

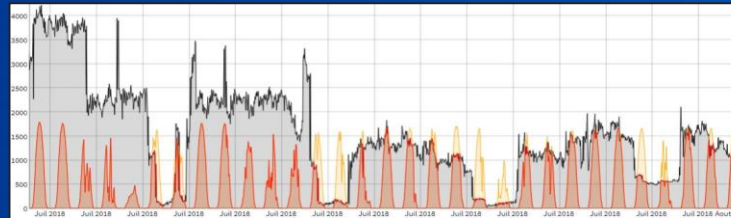
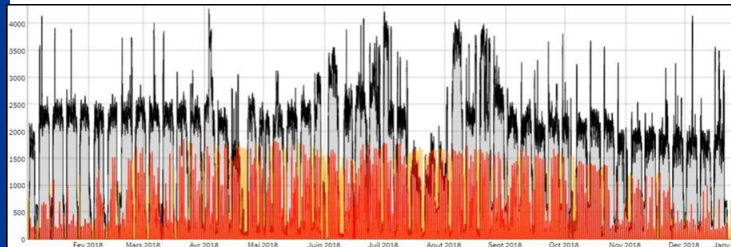
Grid price : 85 € MWh
 Grid price inflation : 2 % year
Global CAPEX : 847 K€
 Financing : 20 % equity / 80 % loan
 Project IRR : 7,3 %

Cost comparison



— Coût du MWh solaire (€/MWh)
 — Coût du MWh réseau (€/MWh)

Load curve an solar production



— Load curve
 — Exceeding solar power
 — Self_consumed solar power

Self consumption ratio : 90 %

Coverage ratio : 20 %

ENVIRONMENTAL IMPACT



Expected yearly production
787 000 kWh / year



CO₂ évité
12 tonnes / year



Equivalent number of household consumption
175



Equivalent car consumption
105 000 km / year

Self-consumption and storage - *GEMO*



Project goals

1. Increase the independence to the grid by installing with EDF ENR a PV carport on the existing parking area.
2. Valuation of the excess electrical production through **battery storage** and **EV charging stations**.
3. Involve the clients in the energy transition challenges by informing and promoting.

40%

Of electricity needs covered by **PV production** and **storage**

47 000

kWh/year
Of **produced electricity**

186

Solar panels
306 m²

90%

Of the electricity **produced** will be **used** by the store



“ The choice for self-consumption was an evidence for us.

On top of the 100% green electricity we buy from EDF, we become an actor of our own energy production, thanks to the solar panels installed by EDF ENR on the roof of our factory, and our different storage solutions produced by FAFCO. Our site becomes a real showroom of our energy solutions, an exemplary industrial site.

And we have no intention to stop there ! Our site will soon be equipped with the new “Vehicle to Grid” charging pod. “

Guillaume Bourtourault
FAFCO Director

Self-consumption and grid injection - FAFCO



Installed power : **99,68 kWp**



356 modules sourced from Photowatt



Anticipated production : **104 MWh/year**



Self consumption ratio : **81 %**

Coverage ratio : **42%**



600 m² of rooftop installation



Self-consumption with injection of the production surplus on the grid

Contact us

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