



Olenergies

Smart and sustainable Lithium batteries



2023



Energy is our future, let's store it!



1.

OLENERGIES : who are we ? what do we do?

MISSION

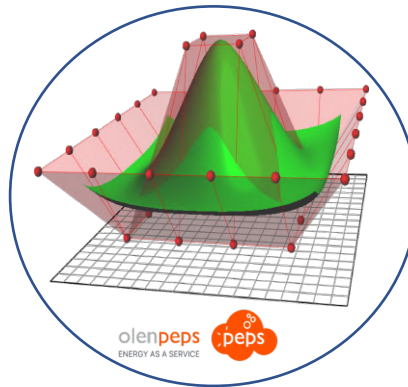
- Smart batteries on an industrial scale to decarbonise industry & develop renewable energy

Key Words

- Industry 4.0 / Made-in-France / Digitalisation of energy / Innovation / Sustainability / Committed company



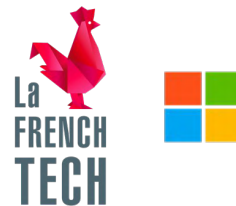
SMART ECO-BATTERIES



DIGITAL ENERGY
MANAGEMENT
PLATFORM

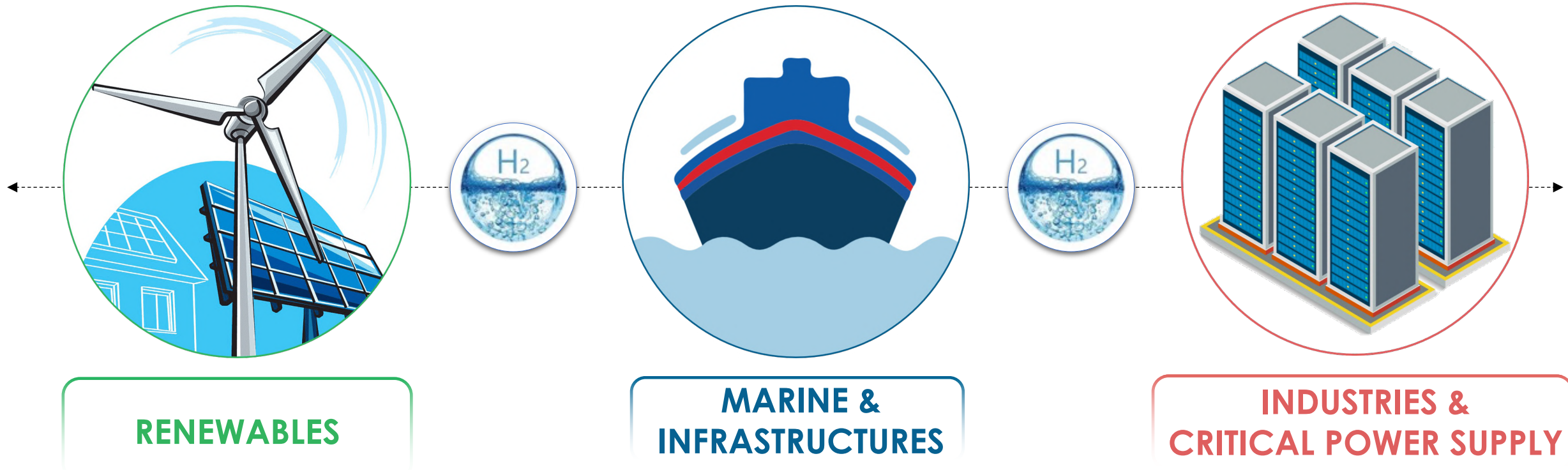


ECO-CONCEPTION
LIFE CYCLE ANALYSIS
CIRCULARITY



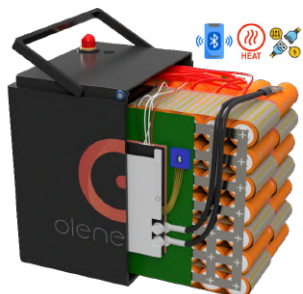
2.

Our markets



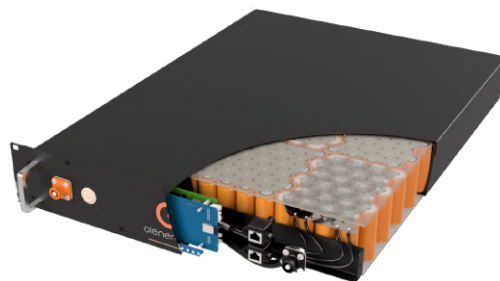
3. Our products

OLENBOX



Reference battery 12V100Ah :
OlenBox : 9,95kg - 6,8L - 830€
Leader : 14,1 kg - 12,3L - 1050€

OLENPACK



OLENMOVE



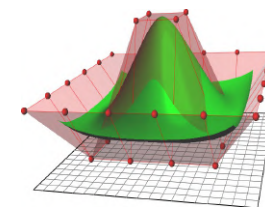
OLENPOWER



Reference 40ft container :
OlenPower LFP : 4MWh
NMC competitors : 2,5MWh



olenpeps
ENERGY AS A SERVICE



3.

The OlenMove innovation

✓ Innovative solution for replacing generators

OLENMOVE



3 options



Assisted mobility



Solar

- AC three-phase : 40kWh - 15kVA
- Easily transported by pallet truck or crane
- 15 year life span
- Connected, smart

4.

Benefits of our batteries



SIGNIFICANT AUTONOMY

Our batteries can be discharged almost completely without degrading; 100% useful capacity!



LIGHTNESS

Our batteries are 60% lighter than a lead acid battery of the same capacity



ÉCO FRIENDLY

No toxic or dangerous elements, for man or the planet, so no cobalt and never lead-acid



SMART

Our batteries can be connected to the OlenPeps digital platform for real-time performance monitoring and operation optimisation.



LIFETIME

4,000 to 12,000 cycles*,
Up to 25 years lifespan depending on application



COMPACT

Thanks to their high energy density, our batteries are more compact than most other batteries



100% SECURED

The cell is inherently safe;
no risk of fire or explosion

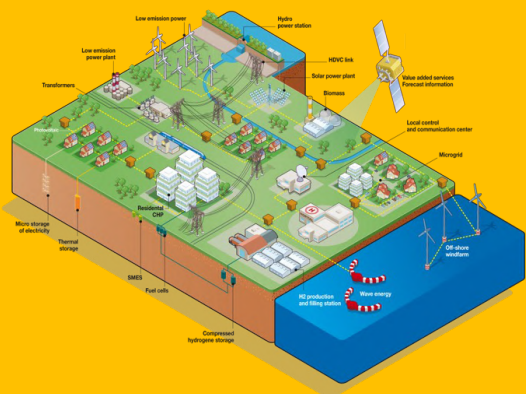


FROM -30°C TO +65°C

With our innovative "HEAT" feature, our batteries are the best technological choice for harsh environments.

5.

Our software solutions



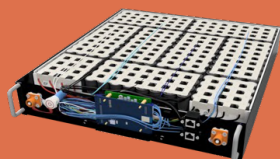
EMS Energy Management System

« Machine learning » optimization
Heavy data-processing



PMS Power Management System

IoT, control command, degraded mode,
embedded intelligence, System services,
conversion



BMS Battery Management System

Safety, Performance and 20% energy savings

OlenPEPS



The digital platform OlenPEPS

academic cooperation



Microsoft



Presentation of the DIGIBATT project

A digital and eco-efficient factory and a digital twin



3

A project divided into 3 main points



Digitalisation of the factory

- Increase in production
- Making production more flexible
- Adaptation of workstations for people who are far from employment



Eco-performance of the factory

- Energy self-sufficiency of the plant (use of renewable energy and Olenergies storage systems)
- Make this plant a showcase for Olenergies



Digital twin

- Battery optimisation
- Traceability of the battery and its components
- Optimisation of stock management

Main objectives

Investment

1,9M €

1,2M €

2,7M €



Calendar

Duration: 4 years
Start: January 2023
End: December 2026
Duration of the phases:
18, 36 and 48 months



The funding



Public funding

3,3M €

S2 2022



Equity / bank loans

2,5M €

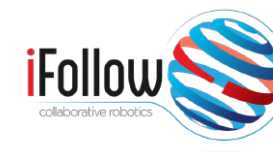
S1 2023

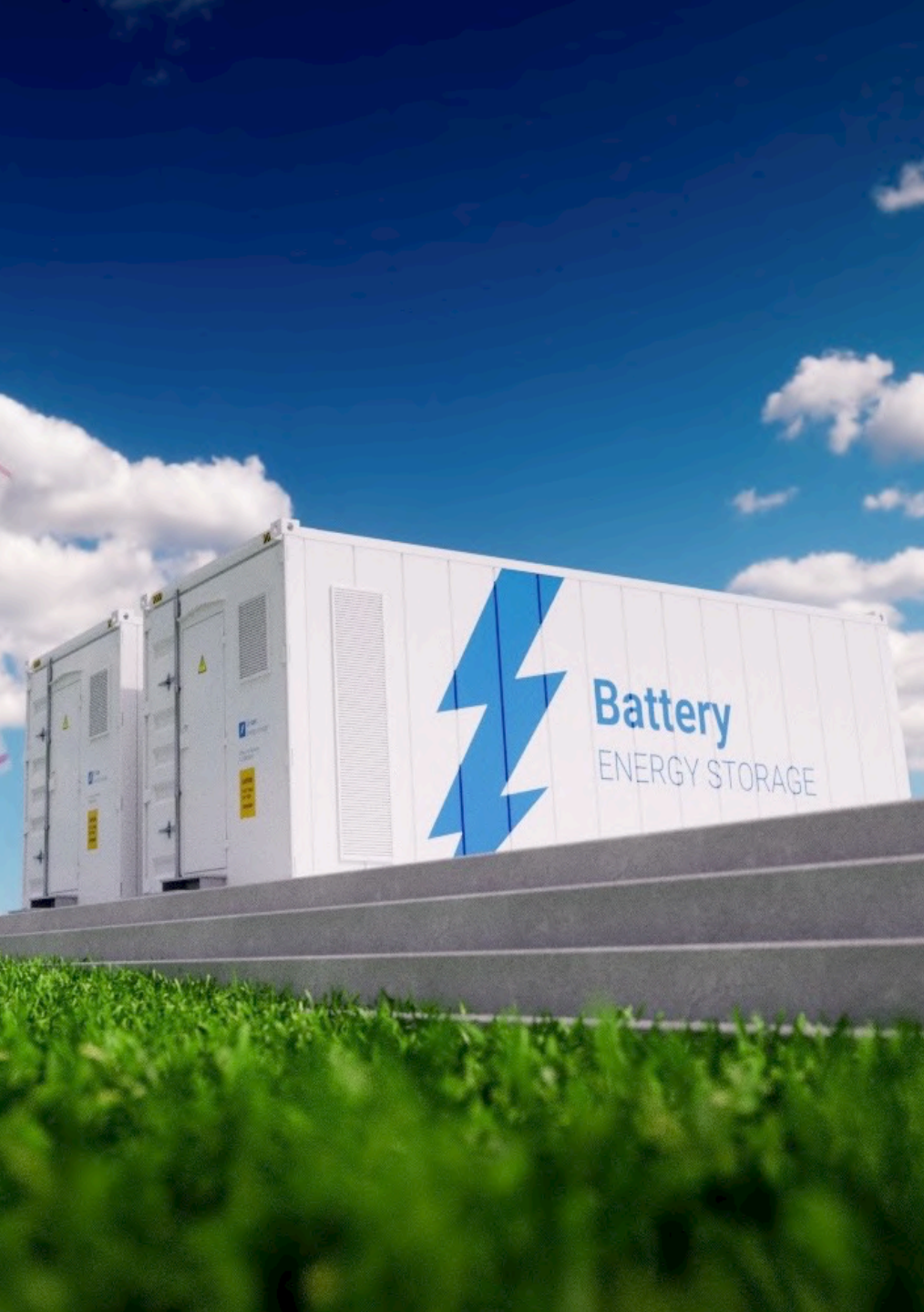
6.

Our partners and references



Winner of the
« **Made in France** » award





olenergies^{leaves}

Energy is our future, let's store it!

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