



Reduce

your

**CARBON
FOOTPRINT**

Increase

your

COMPETITIVENESS

STOLECT,
the large-scale
**storage
technology**



S T O L E C T
CLEAN ELECTRICITY STORAGE

STOLECT, a sustainable and flexible

Decarbonization and energy transition are your main concerns

To solve these challenges, STOLECT offers an innovative large-scale stationary electricity storage technology known as a «Carnot battery».

Our system converts electricity into heat, then stores it in refractory materials. The heat is then converted back into electricity when required using a turbine.



**Renewable energies can now
be dispatchable and flexible!**

With STOLECT, you can now massively integrate variable renewable energies into your energy mixes and strengthen your autonomy.



innovation

OUR ADVANTAGES

Sustainable and low impact

STOLECT uses only abundant materials that are easy to recycle or reuse. With a lifespan of over 30 years, with no loss of capacity or efficiency, STOLECT offers you a truly sustainable solution.

Safe and easy to install

STOLECT is a compact solution adaptable to any existing installation.

Competitive

This solution is cost-effective compared to lithium batteries. With STOLECT, your electricity purchase and bill will easily be manageable and adapted to your consumption profile.

Flexible

Thanks to its modular design, STOLECT is adapted to your power and energy needs, to ensure the best installation efficiency.

The basic units can be arranged according to your configuration.

Power	Energy capacity	Storage duration
1 MW	5 to 15 MWh	5 to 15 h
5 MW	50 to 100 MWh	10 to 20 h

STOLECT,
a recognised and award-winning
solution:



YOUR BENEFITS

Are you a manufacturer that requires electricity or natural gas in your production processes? Don't miss out on the opportunities offered by decarbonization!

STOLECT GIVES YOU REAL COMPETITIVE ADVANTAGES.



A well-managed energy bill

Use electricity storage to optimise your energy bills and reduce your production costs.



An asset for your decarbonization

Integrate renewable energies to meet societal challenges and regulatory obligations of the energy transition.



Optimised assets as a new source of income

Make the most out of your surplus energy production or out of your storage flexibility to create new sources of revenue for your company.



A stronger energy independence

Increase your resilience and independence against fluctuating energy prices.

STOLECT *key facts*

Efficiency	70%
Lifespan	>30 years
Return on investment	5 to 12 years
CO2 impact	30 x lower than lithium
	80 x lower than fuel oil

A REDUCED ELECTRICITY BILL

LET'S BUILD YOUR ENERGY TRANSITION TOGETHER

We assist you in implementing a comprehensive and integrated approach to decarbonization:

- 1 Analysis of your energy context**
Consumption, processes, renewable energy production, roadmap, storage opportunity study.
- 2 Building a personalised energy mix**
Feasibility, strategy, sizing, development, preliminary project.
- 3 Structuring and financing the project**
Detailed studies, site integration, financial partnerships.
- 4 Installation**
Construction, project management, commissioning.
- 5 Operation**
Monitoring and associated services, maintenance and insurance.

TWO OPERATING MODES

Simple turnkey system

You own the system designed to maximize your return on investment by taking into account your needs and configuration.

Throughout the life of the STOLECT installation, our teams ensure its maintenance and guarantee its performance.

Electricity Storage as a Service (ESaaS)

A project company (SPV) carry the investment. Your renewable energy and storage solution is financed by our partners and shareholders.

We work with you to build a business model that meets your needs and uses.

STOLECT

The key technology to make
decarbonization an asset
for your company

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