

RENEWABLE

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FUTURE — ENERGY

OF

Check the future
of renewable energy
on **for.energy**

FoR·E

COMPANY OVERVIEW:

FoR-E is a European company specializing in sustainable energy storage solutions, with a focus on providing **environmentally friendly and innovative energy storage technologies**.

MISSION STATEMENT:

FoR-E is committed to advancing the adoption of **sustainable energy storage solutions** to contribute to a cleaner and more sustainable future.

The company aims to lead in the development and implementation of **cutting-edge energy storage technologies**.

CORE VALUES:

SUSTAINABILITY:

FoR-E places a strong emphasis on sustainability, promoting eco-friendly practices and solutions in the battery industry.

INNOVATION:

The company is dedicated to continuous innovation, seeking to pioneer new and advanced technologies in the field of energy storage.

EUROPEAN IDENTITY:

FoR-E takes pride in its European roots and contributes to the region's goals of environmental sustainability and technological leadership.



Our Purpose

OUR ATTITUDE

Y o u r e x p e r t a c q u a i n t a n c e

WHAT WE DO

We empower people and companies to make the switch to reliable green energy through **safe**, practical and truly **clean storage** solutions with **cost-saving software**. Giving people the best possible ROI and long-lasting technology. We are the future of renewable energy.

WHY WE EXIST

W e a r e y o u r s o l i d g r e e n e n e r g y t r a n s i t i o n r e l i e v e r

HOW WE DO IT

Maximizing impact

Transforming
together

Solidarity &
passion



*YOUR
SOLID
GREEN
ENERGY
TRANSITION
RELIEVER*

Our Product Vision

WHAT WE WANT OUR PRODUCTS
TO REPRESENT IN THE FUTURE

FoR-E envisions **pioneering sustainable energy storage solutions** as a cornerstone of Europe's green energy future. Our vision is to produce cutting-edge, environmentally responsible energy storage within Europe, **fostering regional innovation and economical growth**.

Committed to a circular economy, FoR-E strives for maximum recycling impact, minimizing waste and promoting a sustainable end-to-end lifecycle. Through our products, we aim to empower **a cleaner, more resilient energy landscape, setting new standards for excellence and environmental stewardship**.

FoR-E: Shaping tomorrow's energy with European ingenuity and a commitment to sustainability.

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OUR INNOVATIVE TECHNOLOGY

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Supercapacitor

ALSO KNOWN AS:

Ultracapacitor

STORAGE OF ELECTRIC CHARGE:

This is a particularly powerful capacitor with a capacitance value that is far above that of other capacitors.

Here, the energy is **stored electrostatically** on the surface of the material.

NO CHEMICAL REACTIONS INVOLVED:

FASTER CHARGE AND DISCHARGE RATE:

Supercapacitors can charge and discharge much faster than batteries. This makes them ideal for applications that require high power bursts, such as regenerative braking and power tools.

LONGER CYCLE LIFE:

Supercapacitors can withstand many thousands of charge-discharge cycles, while batteries typically last for hundreds or thousands of cycles.

MORE ENVIRONMENTAL FRIENDLY:

Supercapacitors do not contain any toxic chemicals, so they are more environmentally friendly than batteries.

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Intro on the system

L I F E
E X P E C T A N C Y

Over 20.000 cycles

P O W E R

Very high-power density (only limited by the wiring and the internal resistance)

R E S P O N S E
T I M E

Reaction time in the range of seconds

F I R E
P R O T E C T I O N

No fire risk: The graphene
removes the oxygen in the
event of a fire

Electrostatic: No chemical
reactions to release energy

No risk for thermal runaway

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OUR ENERGY STORAGE SYSTEMS

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SUPER CAPACITOR MODULE



Our Product Vision

Solutions for Domestic projects
from 6kWh to 14 kWh

Energy storage for

Backup power:

Supercapacitors can be used to provide backup power for homes and businesses. They can be connected to a solar power system to store excess energy from the sun.

This stored energy can then be used to power homes or businesses during power outages.

Energy storage for renewable energy sources:

Hybrid supercapacitors can be used to store energy from renewable sources. This stored energy can then be used to power homes

Target customers

Private customers

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SUPER CAPACITOR RACKS



Our Product Vision

Solutions for small projects
from 20kWh to 100 kWh

- Energy storage for
In the event that energy is to be stored for later use (e.g. solar energy during the day - use at night).
Smoothing of load peaks
- Target customers
Private customers

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SUPER CAPACITOR CUBE



Our Product Vision

Solutions for Industrial projects
from 250kWh Up to 2MWh

Energy storage for

- the case of overproduction
- In the event that energy is to be stored for later use (e.g. solar energy during the day - use at night).
- Smoothing of load peaks
- Energy trading on the international energy market

Target customers

- Network operator
- Industry
- Larger residential and office complexes
- Hospitals and shopping centres

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Supercapacitor CUBE

GOOD TO KNOW

The Cubes are most customized systems, we can provide one stop solution including design, assembly, installation, maintenance, shipping, training, welcome to send us your inquiry.

STORAGE OF ELECTRIC CHARGE:

The cube ESS System is a complete, self-contained battery solution for a large-scale industrial & commercial & rural energy storage. The batteries and all control, interface, and auxiliary equipment are delivered in a single shipping container for simple installation on site.



COMPONENTS:

Designed with air vents, temperature control systems, AC systems, and fire fighting equipment.

- Air Vents: Air vents are installed in the container walls or ceiling to provide ventilation. This helps to prevent moisture build-up and keep the air inside fresh. It also helps to regulate the temperature inside the container.
- Temperature Control Systems: Temperature control systems is been added to the container to maintain a specific temperature range.
- AC Systems: AC systems is been added to the container to provide additional cooling or heating. The AC systems helps to improve the air quality inside the container.
- Fire-fighting Equipment: Fire-fighting equipment is been installed in the container to help prevent fires or to extinguish them quickly if they occur. For the protection of the 20" container, we propose a separate 70 bar extinguishing system. Design specification according to EN15004.

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OUR ENERGY MANAGEMENT SYSTEM

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FoR-Link

SMART SECURED INDEPENDENT PLATFORM

A smart energy platform flexible, secure, reliable,
and cost-effective

4 KEY SOLUTIONS

Data Collection and Analytics:

Collect data from various sources, to create a comprehensive view of energy consumption patterns. Advanced analytics tools analyze this data to identify energy usage trends, pinpoint inefficiencies, and predict future demand.

Demand Response Programs:

Encourage consumers to shift their energy consumption patterns during peak demand periods. Balance the grid and reduce strain on the infrastructure.

Energy Efficiency Optimization:

Optimize energy efficiency by analyzing data and providing personalized recommendations to users.

Renewable Energy Integration:

Smart energy platforms enable the integration of renewable energy sources, such as solar and wind power, into the grid. They can coordinate the dispatch of renewable energy and balance it with traditional sources to ensure a stable and reliable supply.

BENEFITS:

Reduced energy costs

Calculated R.O.I.

Improved energy efficiency

Increased comfort

Reduced environmental impact

Enhanced compliance with energy regulations

The logo for FoR-Link, featuring the text "FoR-Link" in a stylized, handwritten font. The "F" and "L" are large and bold, while the "oR" and "ink" are smaller and more fluid.