

GES: REVOLUTIONIZING LONG-DURATION ENERGY STORAGE

Università aperta PhD 2024, University of Padova





RESHAPING THE **ENERGY** TRANSITION

With our green and

Sustainable Energy

Storage System, we build

the future of renewable

energy

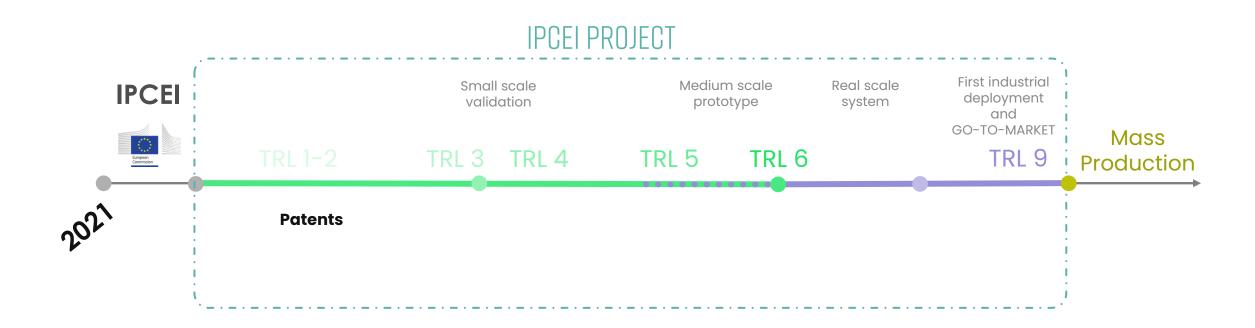
GES ROADMAP AND IPCEI PROJECT

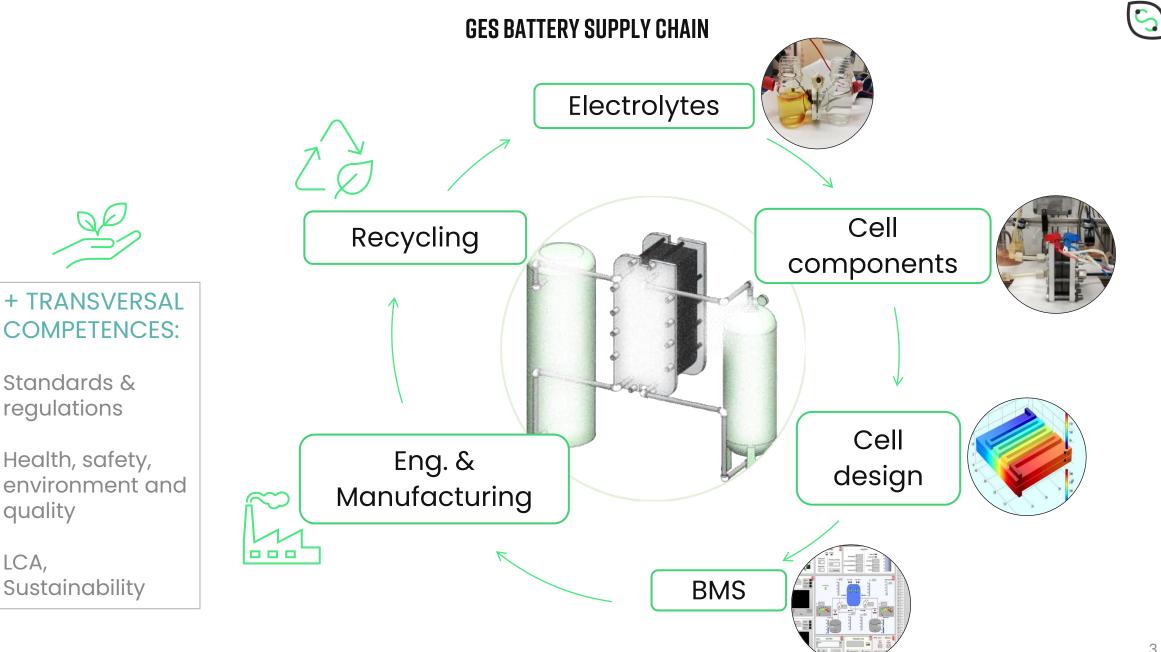


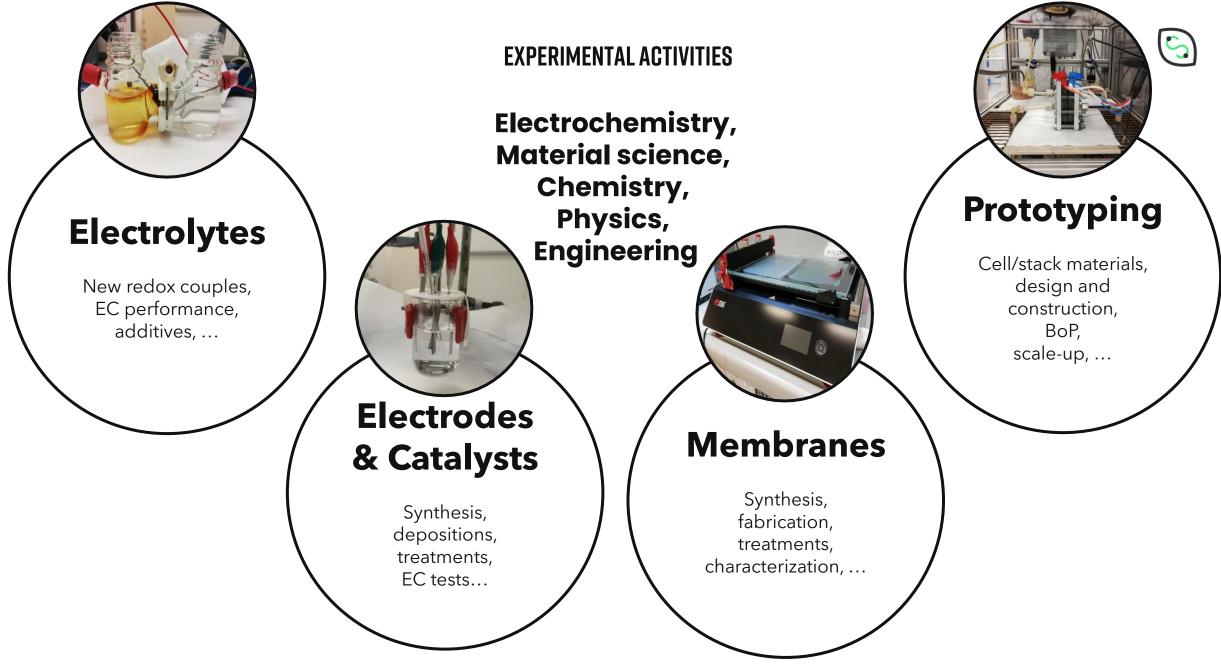
BUDGET: 62 M€ (GES)

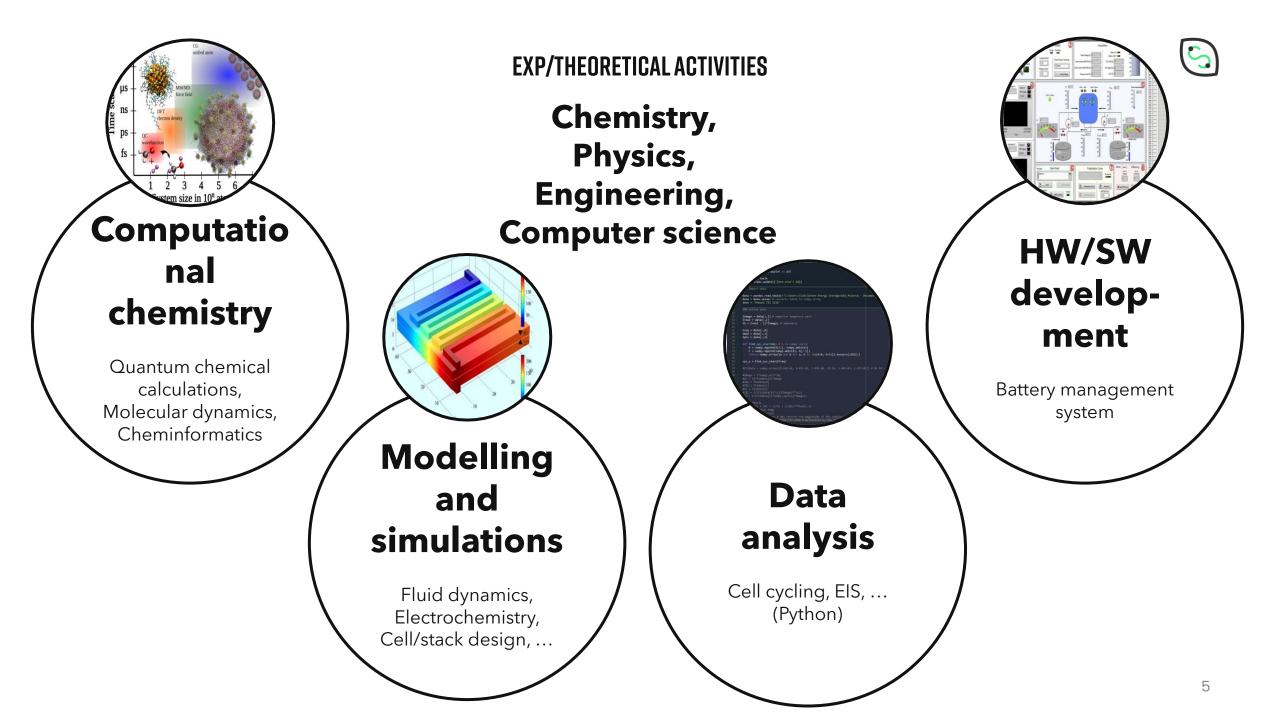
DURATION: 6 YEARS

PROJECT: NEW DISRUPTIVE AND COMPETITIVE RFB TECHNOLOGY FROM R&D TO FIRST INDUSTRIAL DEPLOYMENT (FID)









GES KPIS

GES goal is to develop an innovative, high-performance, and sustainable flow battery for long-duration energy storage.

High energy density >75Wh/l

The high energy density enables significantly reduced size and weight compared to traditional flow batteries

Energy efficiency >85%

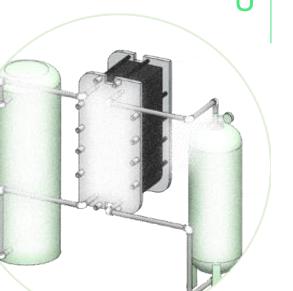
Energy efficiency is higher compared to the state-of-the-art of flow batteries and fuel cells

LCOS in MP <0,02 Eur/kWh/cyc

A low LCOS makes the product highly competitive, outlining a profitable and longlasting investment



It is a distinctive feature of this technology, enabling the system to be used in applications that anticipate disconnection from the electricity grid for long periods



Lifetime > 10k cycles

This number of cycles makes the GES battery a long-term asset which, based on its usage characteristics, can exceed 20 years

Room temperature

In addition to direct impact on safety, operating at room temperature enables use in different environments, both indoor and outdoor

Maintenance

The battery architecture allows the replacement of individual components quickly and with limited costs

High Sustainability & Recyclability

Environmental impact to be at minimum

CONTACTS



LOCATIONS

REGISTERED OFFICE

Via Sommarive, 18 38123, Trento (TN) Italy

OPERATIONAL HEADQUARTER

Piazza della Manifattura, 1 Progetto Manifattura 38068, Rovereto (TN) Italy

SOCIAL AND MEDIA



https://it.linkedin.com/company/green-energystorage



Intervista al Presidente Pinto su Radio24 – L'economia delle piccole cose <u>link</u>



Intervista al Presidente Pinto sul Corriere della sera <u>link</u>



Intervista al Presidente Pinto su SkyTG24 Progress <u>link</u>

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