

Final Results Webinar

Accelerating a Sustainable Future

16th December 2025

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Project Introduction

An Overview



Project Overview



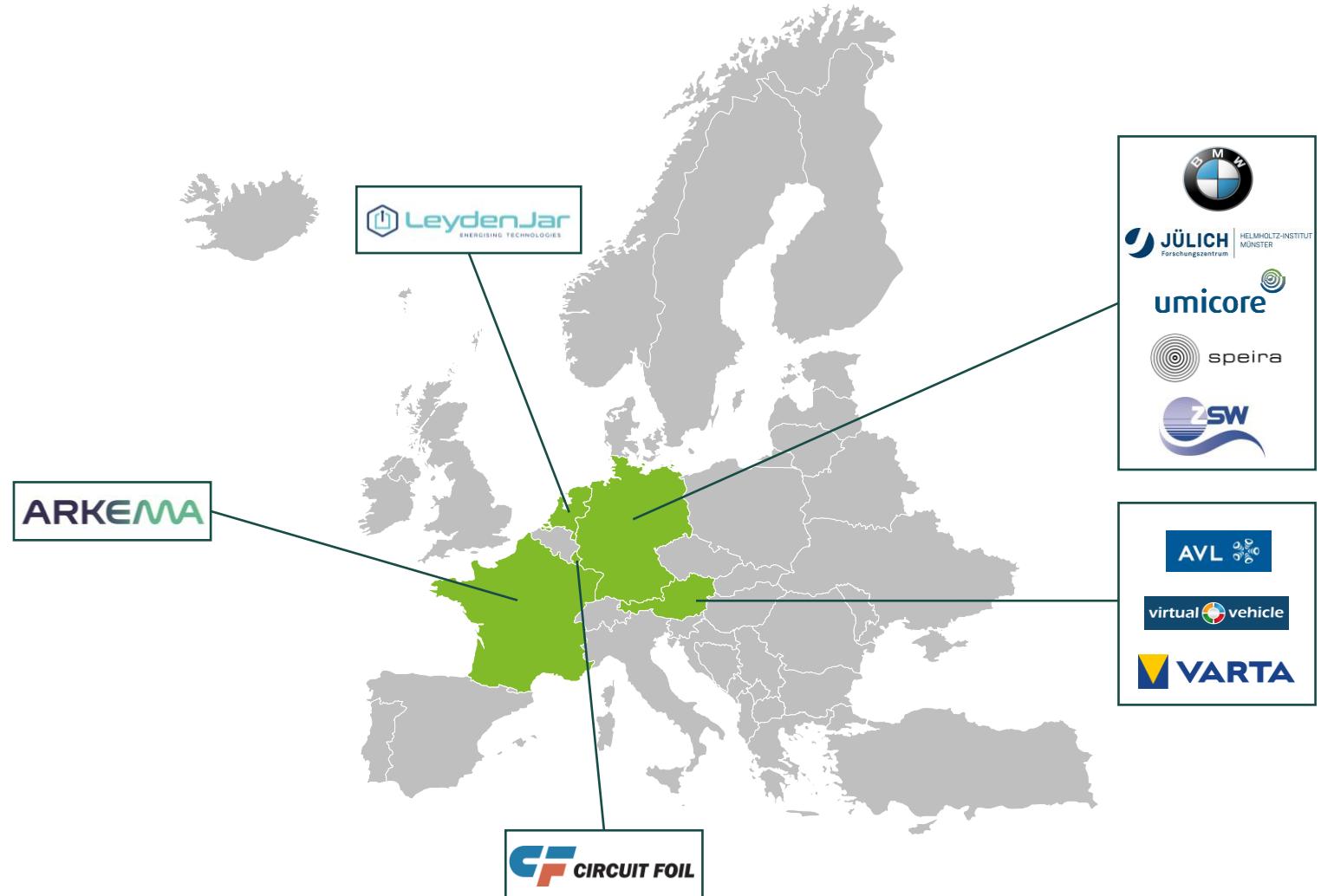
Project Duration

01.07.2022 – 31.12.2025
42 Months



Consortium

11 Partners
5 Countries



Our Mission & Vision

Mission



Developing a battery cell consisting of electrodes manufactured using innovative dry processes **to reduce energy consumption, lower the carbon footprint** and achieve **ZERO emissions of VOCs** (Volatile Organic Compounds).

Vision

Achieving European **leadership in battery production** with **lower carbon footprint.**

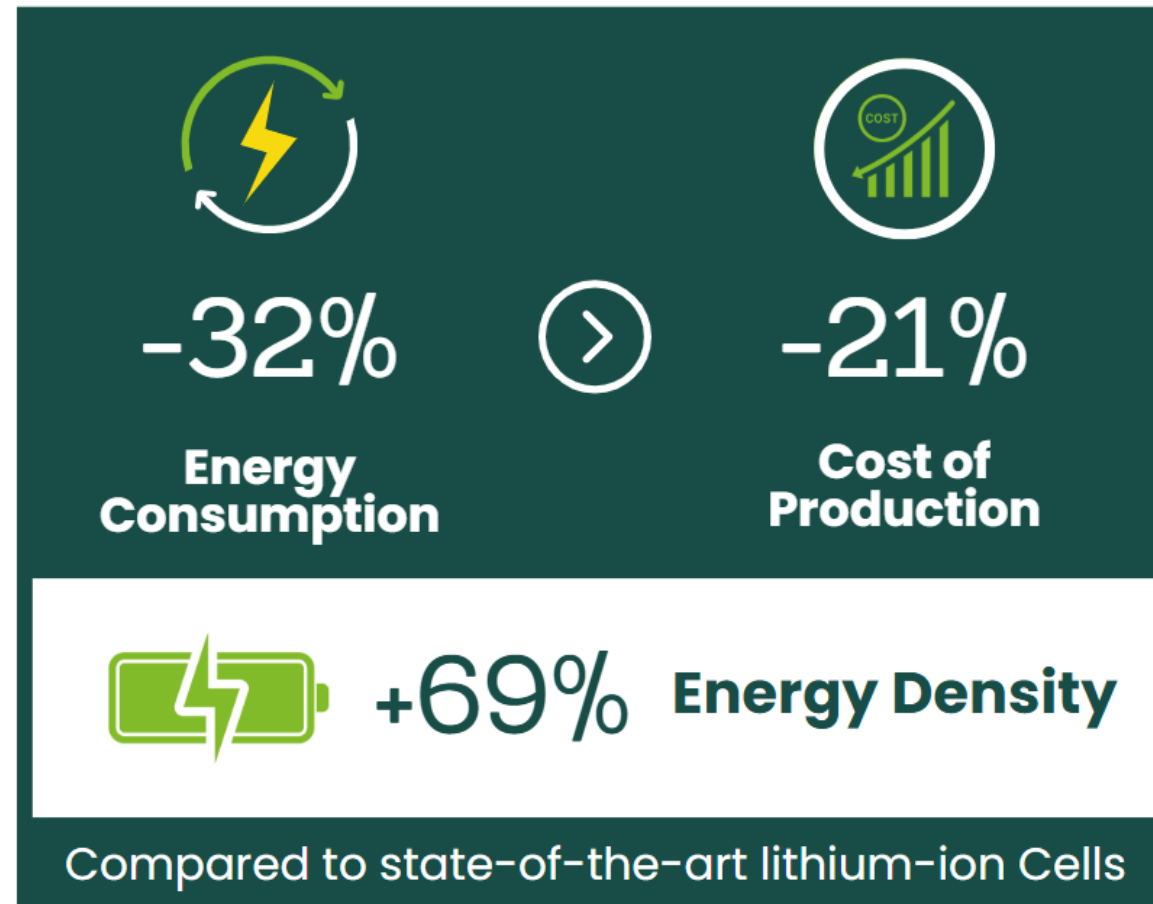


greenSPEED will...

- ✚ Develop a new Ni-rich NMC battery cell
 - ✚ Manufactured with dry electrode coating
 - ✚ Eliminates casting solvents and energy-intensive drying

- ✚ Manufacture pure Si-anodes using a Microwave-assisted Plasma-Enhanced Chemical Vapour Deposition (MW-PECVD)
 - ✚ Deposits silicon directly on copper
 - ✚ Uses locally produced silane gas (SiH_4)

Our Goal?



Today's Topics

The greenSPEED Requirements, presented by Thomas Wöhrle, BMW

Cathode: Dry-Processing, presented by Alice Hoffmann, ZSW

Anode: Electrochemical Pre-Lithiation & Anode Substrate, presented by Egbert Figgemeier, FZJ

Cell Integration & Costing, presented by Isabel Kerber, VI and Thomas Schmid, AVL

Cell Simulations & Virtual Upscaling, presented by Philip Kargl, ViF