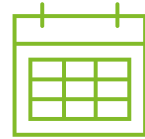


# Project Introduction

## An Overview



# greenSPEED in a Nutshell



## Project Duration

1. July 2022 – 31. December 2025  
42 Months



## Consortium

11 Partners  
5 Countries



## Project Budget

5,3 Mio. EUR



## Funded Under Horizon Europe

HORIZON-CL5-2021-D2-01-04

# The Challenges

LITHIUM-ION CELL TECHNOLOGY NOT SUPPLIED BY EUROPEAN INDUSTRY >

HIGH ENERGY CONSUMPTION OF SINGLE PRODUCTION STEPS >

LOW ENERGY DENSITY >



< HIGHER DEMAND FOR BATTERY ELECTRIC VEHICLES (BEVs)

< USE OF ENVIRONMENTALLY HARMFUL SUBSTANCES

< HIGH COSTS OF LITHIUM-ION CELLS

# Our Mission & Vision

## Mission



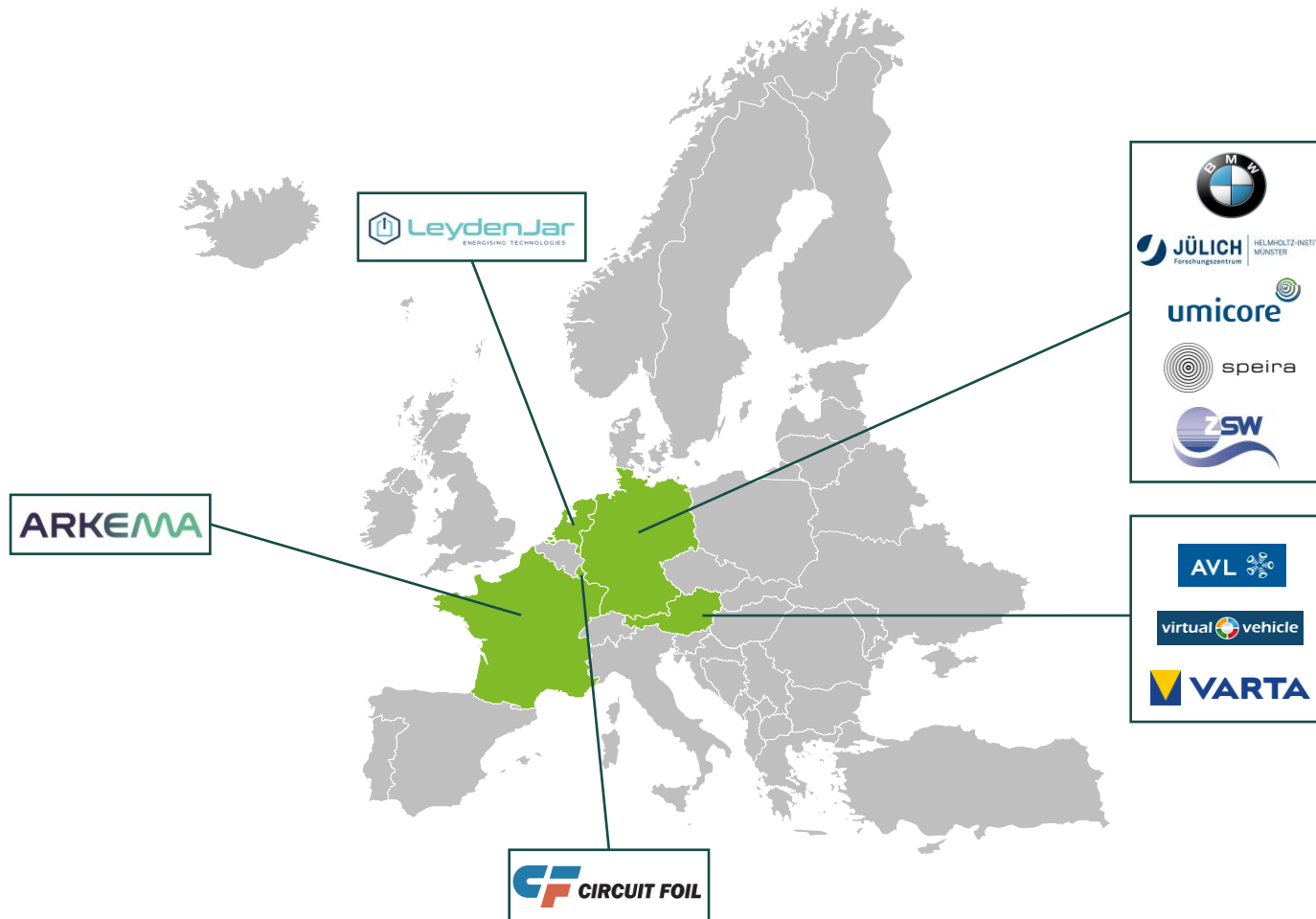
Developing a battery cell consisting of electrodes manufactured using innovative dry processes **to reduce energy consumption, lower the carbon footprint** and achieve **ZERO emissions of VOCs** (Volatile Organic Compounds).

## Vision

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



# The Consortium



# The Key Results

01

Anode:  
high-Si,  
innovative  
process, pre-  
lithiation

02

Cathode:  
Solvent-free,  
continuously  
processed from  
mixing to  
calendering

03

Current  
Collectors:  
Surface  
modified, ultra  
thin, high  
adhesion

04

Digital Twin &  
Artificial  
Intelligence for  
production  
upscale

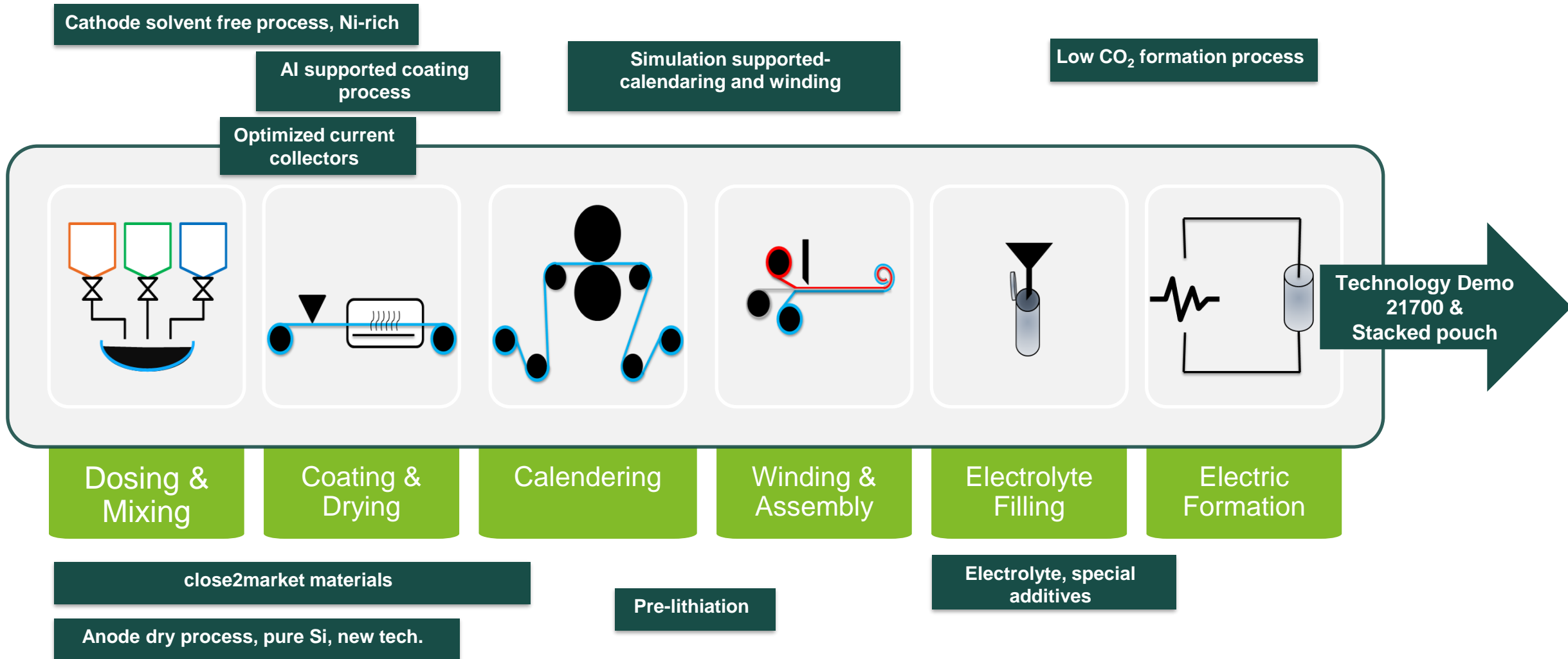
05

Cost, GHG and  
production  
processes

06

Demonstrate  
technology in  
21700 cells

# The greenSPEED Approach



# We would love to hear from you!

📄 LinkedIn: [greenSPEED EU Project](#)

📄 YouTube: [greenSPEED EU Project](#)

📄 Website: [www.greenSPEED-project.eu](#)

📄 E-Mail: [contact.greenspeed@v2c2.at](mailto:contact.greenspeed@v2c2.at)





# Thank you!

[www.greenspeed-project.eu](http://www.greenspeed-project.eu)

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