DEFACTO

Battery DEsign and manuFACTuring Optimization through multiphysic modelling

DEFACTO's main objective is to **develop a multiphysic and multiscale modelling tool** to improve the understanding of **cell material behaviour and cell manufacturing process** and to **reduce the time and economic resources** for the market uptake of cell innovations. This approach will allow **developing new high capacity and high voltage Li-ion cell generation 3b battery.**

IMPACTS

The project will ensure maximum accuracy in cell modeling at reasonable computing costs

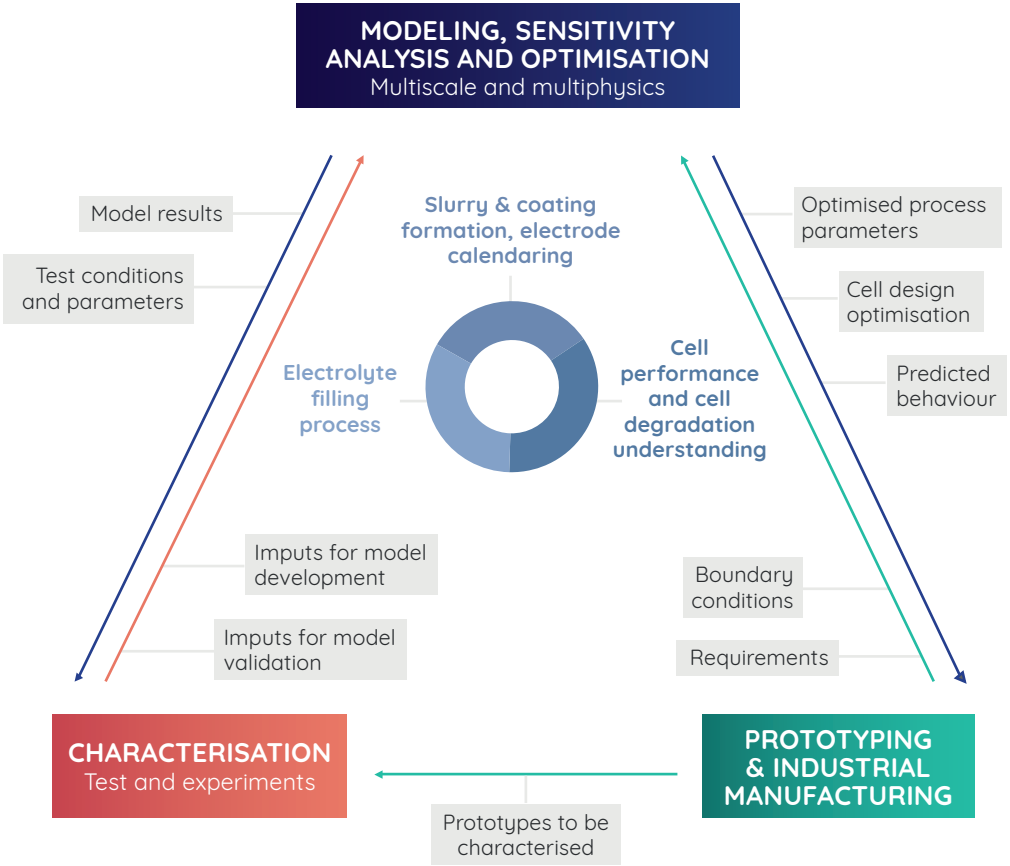
-30% Development time and cost for battery cell

DEFACTO is expected to lower the number of experiments dedicated for cell design and cell manufacturing optimization.

-20% Battery R&I cost

The project will extend the battery lifetime and reduce the environmental impacts caused per battery produced.

METHODOLOGY



PARTNERS

cidetec energy storage

cea

CERTH CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

POLITÉCNICA

Fraunhofer

DLR

UNE Normalización Española

Irizar e-mobility

Leclanché Energy Storage Solutions

Technische Universität Braunschweig

ABEE

Sustainable INNOVATIONS

Horizon 2020
European Union Funding
for Research & Innovation

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875247

@DefactoProject

DEFACTO Project

www.defacto-project.eu