



## GELLIFIED CELL CONCEPT



### High energy density.

Excellent performance in high capacity and high voltage applications.



### Physical and mathematical models.

Key methodology to optimise and accelerate the research and development process of new energy storage technologies.



### Sustainable.

Optimisation of manufacturing processes, reducing capital and operating costs of future gigafactories, by avoiding the evaporation of solvents and the electrolyte filling step.



### Cheaper.

Reduction of around 50% in energy consumption.



### Safer.

Intrinsically safe cells, avoiding the presence of low-boiling point components in the electrodes and the separator.

## NEXTCELL'S

overarching goal is to **provide a new Li-Ion cell** generation for both **high capacity and high voltage** applications by developing and validating a **ground-breaking gellified cell concept**, integrating several innovations at the material level for each of the main cell components: the gellification of the electrodes and the separator in combination with a high voltage-stable gel electrolyte will allow the development of the full gel cell concept.

## PARTNERS



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