

The background of the entire image is a photograph of an industrial manufacturing environment. Several orange robotic arms are visible, positioned over a complex assembly line. The arms are working on a conveyor system that carries various components, including what appear to be battery packs or electronic modules. The scene is brightly lit, and the overall color palette is dominated by the orange of the robots and the metallic grays of the machinery.

**ACCELERATING YOUR
GIGAFACTORY SUCCESS
FROM PILOT TO PRODUCTION**

THE BATTERY PRODUCTION RACE IS ON WITH THE RISE OF EV DEMAND, YET GROWTH IS CHALLENGING FOR INDUSTRIES

EV battery demand is expected to hit 3.5 TWh globally by 2030

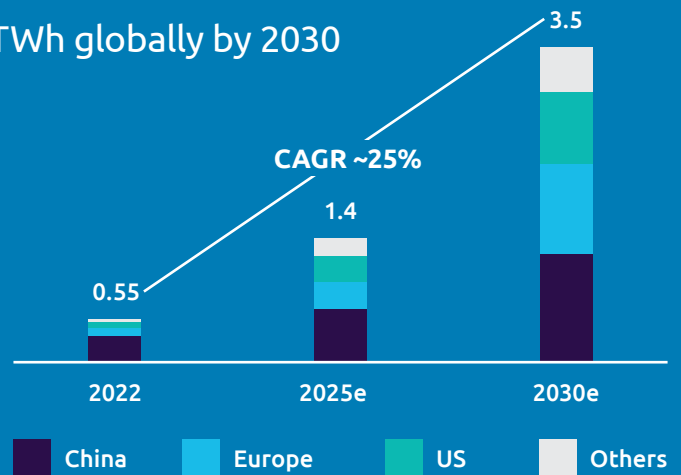
6x

compared to 2022

Battery still represents

~30%

of the **total cost** of the Electric-Vehicle



source: IEA 2022, conservative scenario

Growth is challenging for battery producers, requiring to:



Optimize Product

Improve battery quality & longevity, reduce costs



Optimize Manufacturing

Accelerate manufacturing ramp-up and reduce costs



Engage Workforce

Secure talent acquisition and development



Sustain Supply Chain

Meet traceability, sustainability monetization, and ensure ethical sourcing

CAPGEMINI IS PLAYING A KEY ROLE IN THE BATTERY INDUSTRY

We co-founded the **European Battery Alliance** with InnoEnergy, bringing together more than 800 industrials and innovation actors.



Together with key research institutions and industrial partners, we have developed a first of its kind **Technology Cluster Battery Cell** to drive innovation in the domain.



We deliver powerful impact to **gigafactory players**, from strategic design, R&D, pilot line to gigafactory ramp-up.

START-UPS

Digital strategy & roadmap for digital-native smart factory
Digital foundations (ERP, MES, PLM)
Digital Continuity
Program management

LEGACY Co.

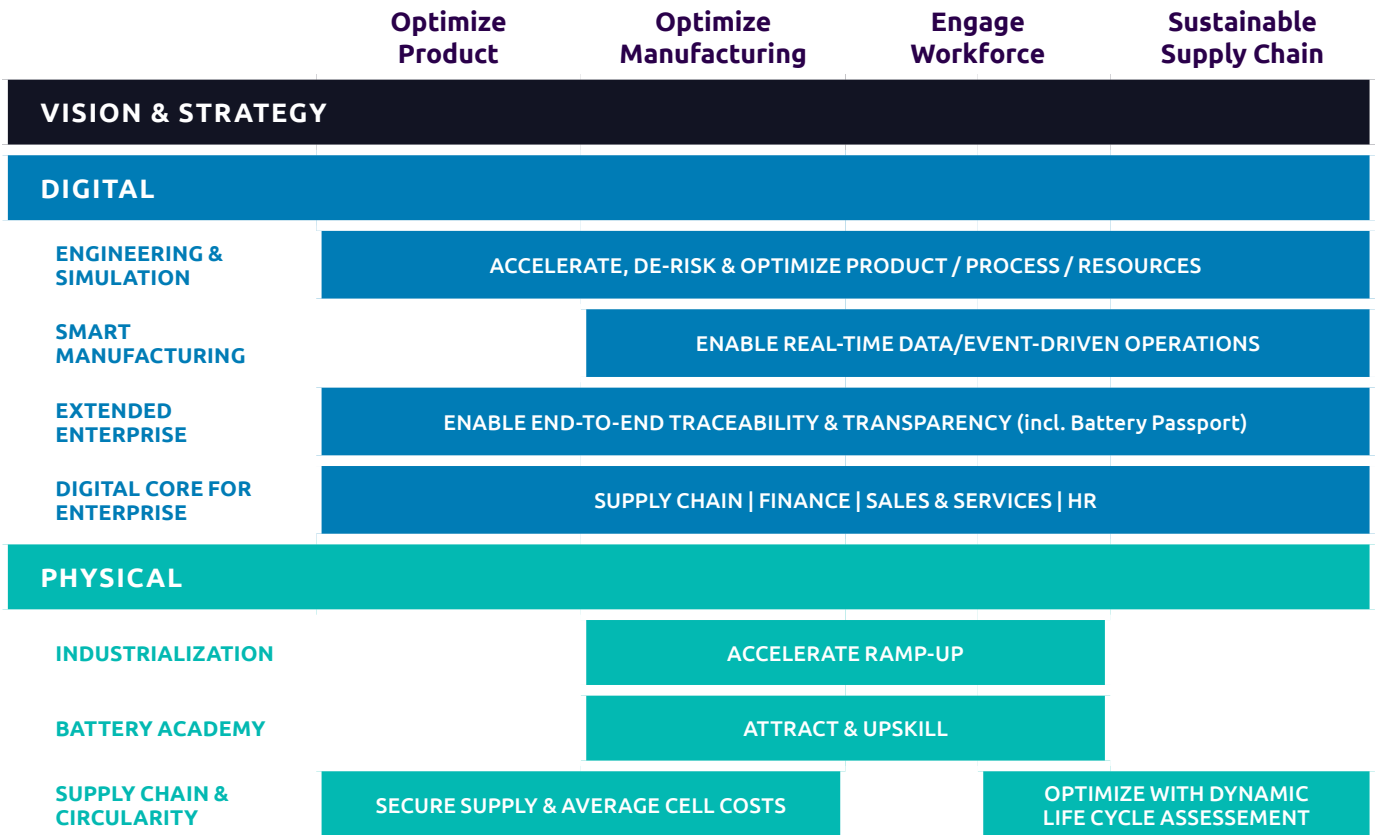
Strategy & Digital Roadmap
Digitization (digital core, data platform and use cases)
Supply chain of the Future
Digital Continuity

OEM JVS

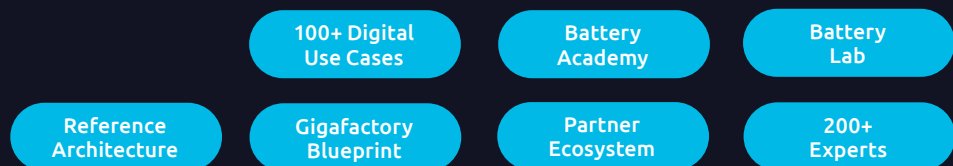
Industrialization with specialized teams for commissioning
Standardization
Simulation on Product / Process / Factory
Battery Passport

CAPGEMINI, THE PARTNER OF CHOICE FOR GIGAFACTORIES, IS POSITIONED TO ARCHITECT, BUILD AND EXECUTE AN INDUSTRIAL PLAN

Whatever your industrial maturity, our value proposition covers Strategic, Digital and Physical needs.



WITH A STRONG PORTFOLIO OF USE CASES, PARTNERS, AND ASSETS, WE ARE READY TO ACCELERATE YOUR GIGAFACTORY LAUNCH AND RAMP UP



INTELLIGENT TOGETHER

- **Optimized 200+ plants** for a German tech giant
- **Reduced lead time** for new line deployment at an American multinational
- **Streamlined workflow at 20+ plants** for a Dutch automotive corporation
- **Established a single source of truth** for all the information of a vehicle's lifecycle for a Swedish EV manufacturer
- **Improved cost-efficiency** for a luxury car maker, using recyclable materials
- **Set up a production facility** for low-carbon batteries for a French manufacturer