

IPCEIS ON BATTERY MANUFACTURING STATUS QUO AND OUTLOOK

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WHAT IS AN IPCEI?

FEATURES & ADVANTAGES



Features of an Important Project of Common European Interest

- Contribution to Union objectives
- Projects involving more than one Member State
- Positive spill-over effects on internal market/union society
- Co-financing by the beneficiary
- Projects must be of a major innovative nature or of important added value
- First industrial deployment covered where it allows for the development of a new product with high R&D&I content or of a fundamentally innovative production process



Special features

- The existence of the market failure affecting the project can be presumed
- The project can be aided with up to 100% of the funding gap on the basis of a large set of eligible costs
- Costs of first industrial deployment until start of mass production are considered eligible

TWO BATTERY IPCEIs

STATUS QUO OF THE PROJECTS

IPCEI (1) on Batteries

- Investment: €3.2 billion state aid unlocking additional €5 billion in private investments
 - Contribution: 17 companies from Belgium, Finland, France, Germany, Italy, Poland and Sweden that cooperate closely with more than 70 external partners
 - Coordination: French Ministry of Economic Affairs and Finances (MINEFI)
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- German contribution: 5 companies (ACC, BASF, BMW, Umicore, VARTA)* receiving up to €1 billion state aid.

IPCEI (2) EuBatIn

- Investment: €2.9 billion state aid unlocking additional €9 billion in private investments
 - Contribution: 42 companies from Austria, Belgium, Croatia, Finland, France, Germany, Greece, Italy, Poland, Slovakia, Spain and Sweden that cooperate closely with more than 150 external partners
 - Coordination: Federal Ministry for Economic Affairs and Energy (BMWi)
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- German contribution: 11 companies (ACI Systems, Alumina Systems, Cellforce, BMW, ElringKlinger, Liofit, Manz, Northvolt, SGL Carbon, Skeleton, Tesla)* receiving up to €1.6 billion state aid.



Facts & figures for Germany

- Total investment is more than €13 billion
- About 10.000 direct jobs will be created
- 180 GWh/a battery cell production capacity

* Eligible for funding

TWO BATTERY IPCEIs

STATUS QUO OF THE PROJECTS

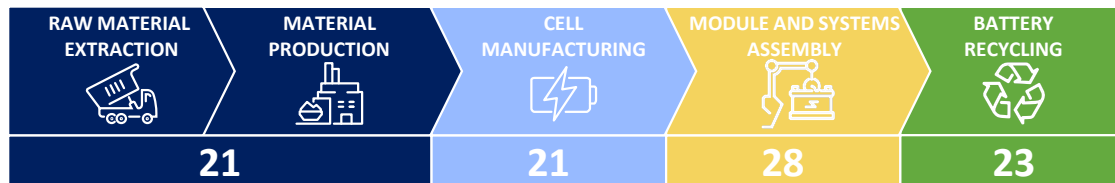
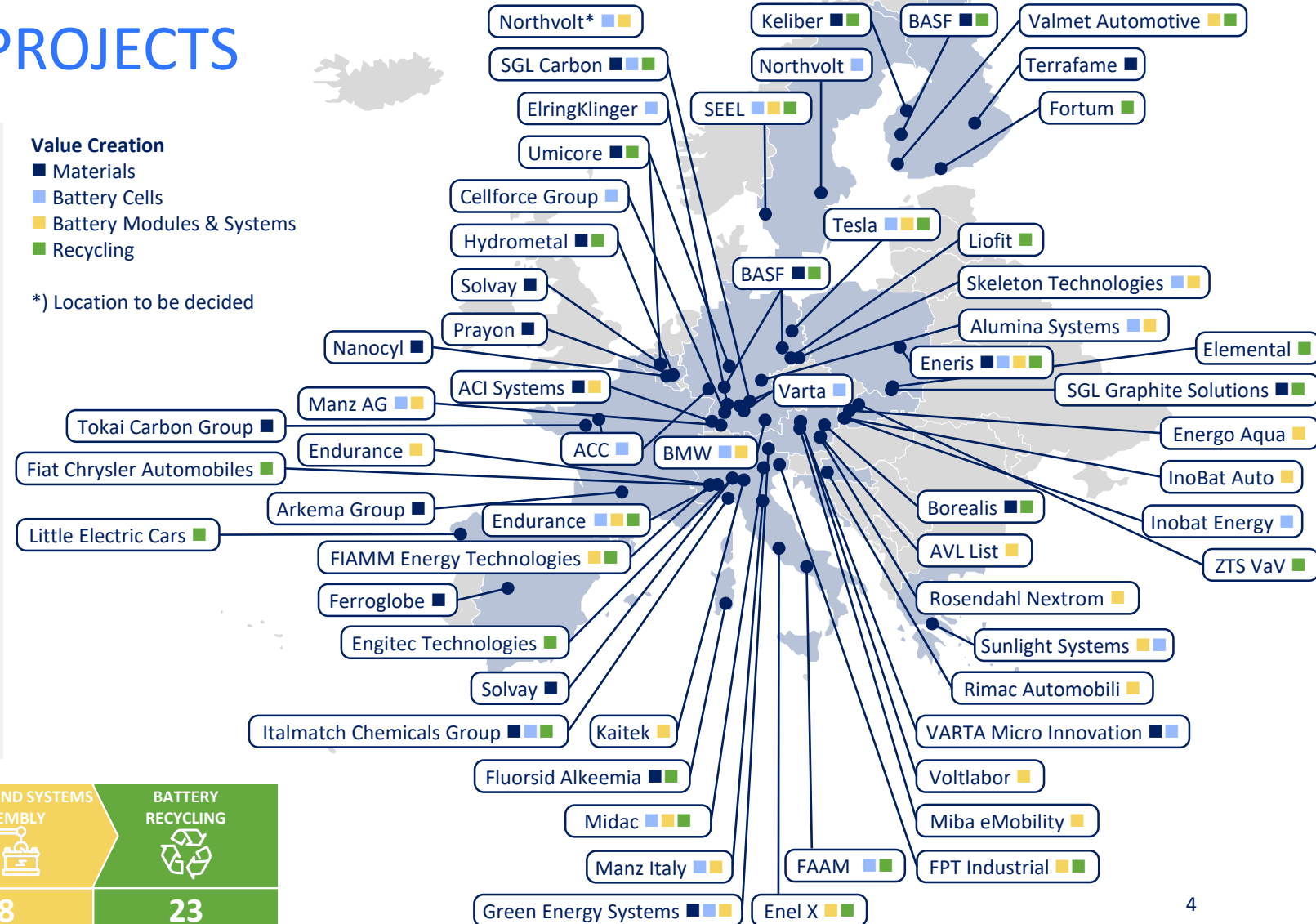
IPCEI FACTS & FIGURES

- European Commission approved two **important projects of common European interest** to support research and innovation in the battery value chain
- More than **50 companies** are working together with 150 external partners in around 300 collaborations in **12 EU member states**
- Up to **€6.1 billion** state aid unlocking up to **€14 billion** in private investments.
- Creating more than **18.000 new jobs** across Europe and training of **800.000 workers** to match work force requirements
- IPCEI activities are **well distributed** along the battery value chain.

Value Creation

- Materials
- Battery Cells
- Battery Modules & Systems
- Recycling

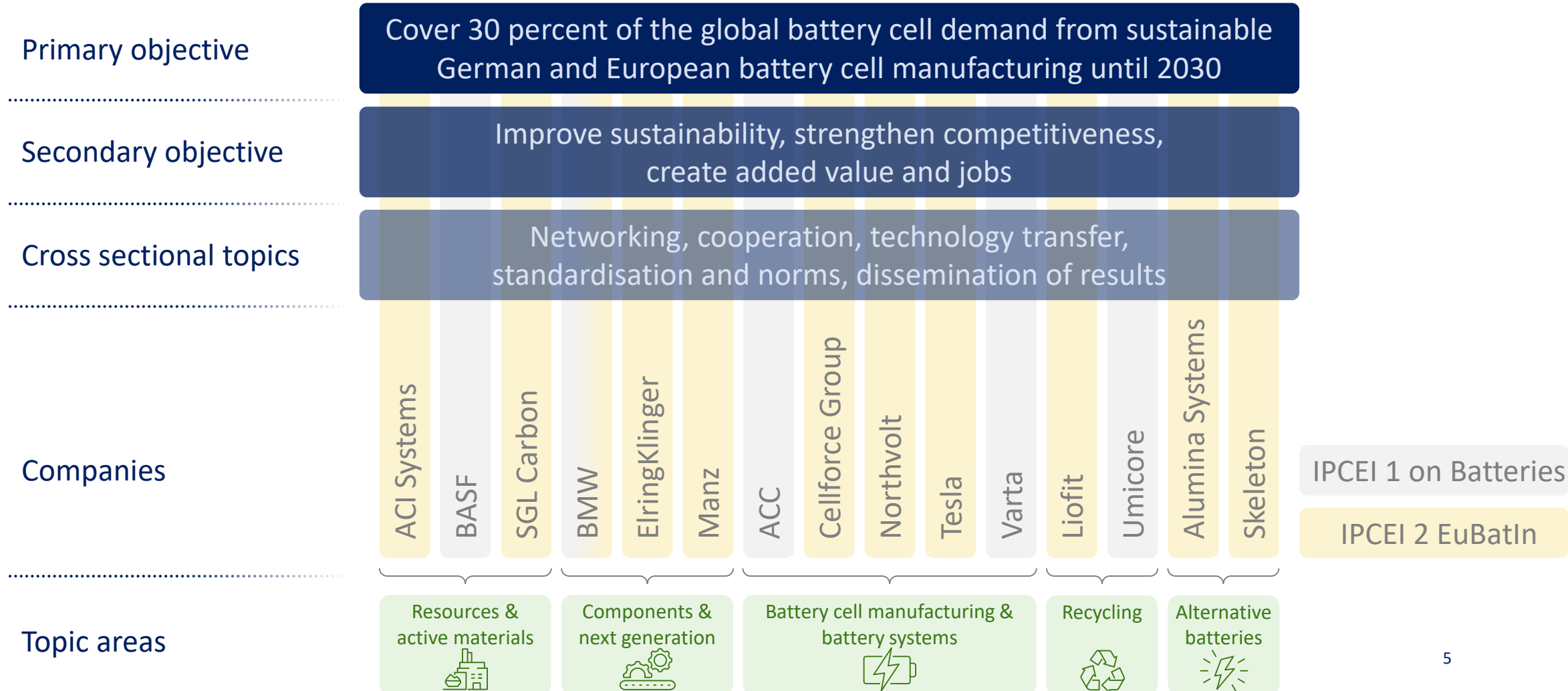
*) Location to be decided



Number of activities in the specific parts of the value chain

GERMAN CONTRIBUTION TO THE IPCEIs

OBJECTIVES & TOPICS



ACOMPANYING RESEARCH MISSION, TEAM AND OPPORTUNITIES



Our Mission

Support the **built-up of the European battery production industry** and maximise the impact of the corresponding funding programme on behalf of the German Ministry of Economic Affairs and Energy.



Our Team

More than **30 experts** in innovation & event management, battery & production technology, testing & certification and much more from VDI/VDE Innovation + Technology GmbH, TÜV Rheinland Consulting and Technical University Berlin.



Your Opportunity

Our **value proposition** to German IPCEI projects and connections with the battery ecosystem:

- Organisation of **networking activities** and creation of strong connections along the battery value chain.
- Organisation of **working groups** (e.g. on industry 4.0, standardisation, recycling and sustainability)
- Support of **capacity building** and **dissemination** of results from German IPCEI projects.
- Moderation of **dialogs with key stakeholders** from science, industry and politics.
- Provision of **in-depth analysis** and a profound knowledge base (e.g. studies or data bases)

Thank You!



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