

The Partners

Contact us:

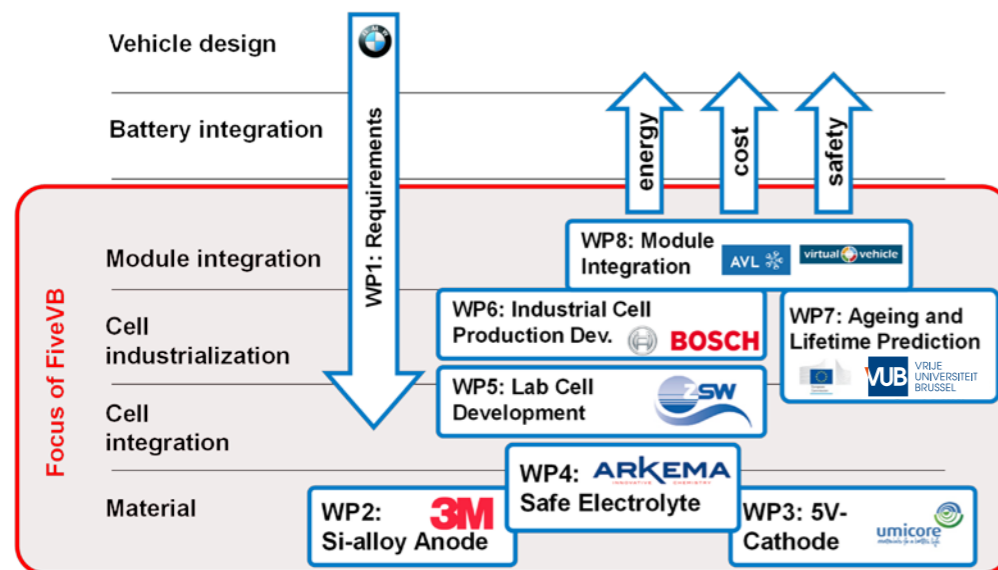
Project Coordinator



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The FiveVB Workflow:

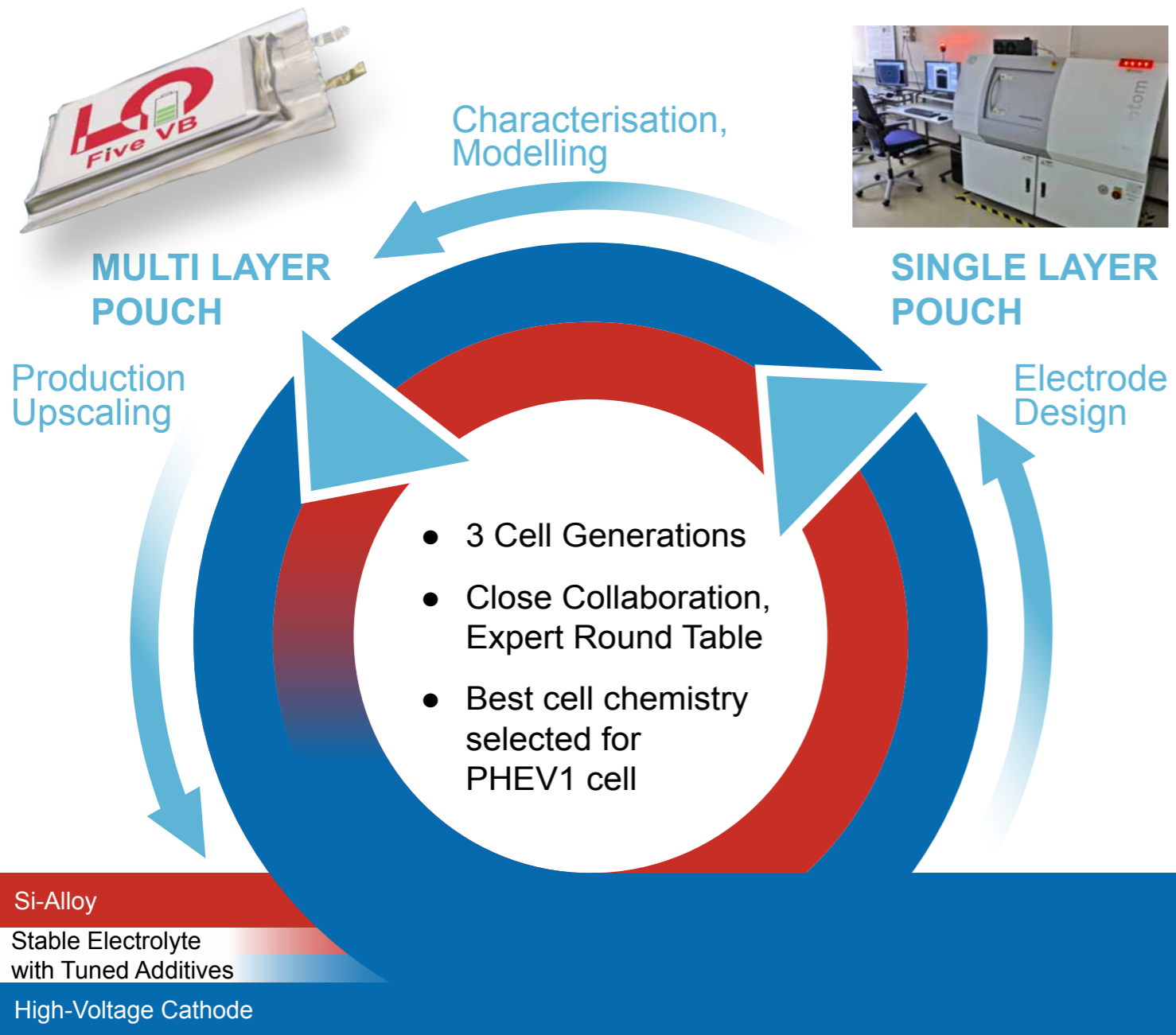


DEVELOPING THE NEXT GENERATION OF BATTERIES



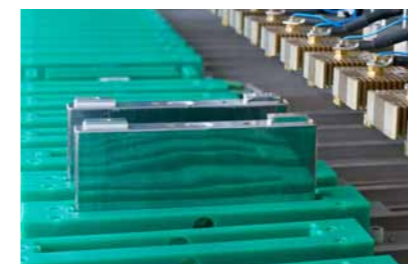
The Objectives

- Improved cell active material, developed in laboratory cells and finally integrated in large format PHEV1-casing
- Assessment of industrialization requirements of the advanced cell technology in Europe using a research prototype line with the capability of fast scale-up to automotive series demands (TRL 5)
- Proven durability until 80% capacity retention from initial capacity for a new combination of chemistries in an early development phase
- Standardized test procedure focusing on life cycle, safety, and calendar life testing for this FiveVB high energy battery type



Achievements

- Demonstration of novel chemistries in lab cells
- Industrial upscaling and cell manufacturing of PHEV1 cells
- Test protocols tackling relevant topics of next generation Li-Ion cells
- System concept proposal for integration of next generation Li-ion cells into electric vehicles



Cell Pilot Production

Beyond FiveVB

- Future material research based on expert rounds established in FiveVB
- Cell component manufacturing know-how will support further Li-ion cell manufacturing in Europe
- Expert round table approach as a collaboration model covering the value chain
- Cross-consortium knowledge exchange as basis for further collaborations

Project Result:
Module for technology demonstration

