



BATPOWER NEWSLETTER 03

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Researching Battery Technology Trends and Education Gaps

WP2 maps the industrial and educational context needed to design relevant BatTech training materials.

Before creating training materials, the BatPower consortium needed to understand what is changing in industry and what vocational education needs. For this reason, WP2 focused on research into battery technology trends, the effects of mass application of battery technologies and the gaps in battery energy education at secondary and adult VET level.

Research approach

ECOLE led WP2 and provided guidelines for the partners. Each country contributed research reflecting both the European perspective and national or regional contexts. Partners analysed developments in battery production, electric mobility, green industry and related education needs. The work also included consultations and exchanges with experts and stakeholders.

Main outputs

By May 2025, partners delivered two major research outputs: a comprehensive battery technology trend analysis and a gap analysis focused on battery energy education in VET. These documents helped to describe what competences are becoming important and where education systems need stronger support.

From findings to training design

The research was not an isolated activity. Its purpose was to guide the next steps of the project. WP2 findings provided a foundation for WP3, where the consortium started to design training materials for teachers and trainers, secondary VET learners and adult VET learners. The reports helped partners decide which topics, skills and learning outcomes should be reflected in the BatPower materials.

Key messages from WP2

- Battery technology is a growing cross-sectoral field.
- VET providers need practical, updated and modular materials.
- Industry cooperation is necessary to keep education relevant.
- Research findings directly inform curriculum and module development.

What comes next: The next stage focused on turning research evidence into structured educational content for different target groups.



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