

The Alliance for Batteries Technology, Training and Skills (ALBATTS)

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**AUSTRIA, BELGIUM,
CZECHIA, FINLAND, IRELAND,
ITALY, NORWAY, PORTUGAL,
ROMANIA, SLOVENIA,
SWEDEN**

The Alliance for Batteries Technology, Training and Skills (ALBATTS) project-albatts.eu is a European funded project with the objective of contributing to the electrification of transport and green energy in Europe by designing a blueprint for competences and training schemes of the future in the battery and electromobility sector.

It brings together the demand and supply side of skills related to this sector including enterprises along the batteries for electromobility value chain, European workers disrupted or highly affected by the change brought about with transfer to electromobility, educational providers, decision makers and the general public.

Geographical area

Austria, Belgium, Czechia, Finland, Ireland, Italy, Norway, Portugal, Romania, Slovenia, Sweden

Period of implementation

Started 1 December 2019 until 31 June 2024.

Scope of the practice

Initial Vocational Education and Training (IVET), Continued Vocational Education and Training (CVET), apprenticeship

Educational level

ALBATTS Sectoral Skills Intelligence is focused on covering EQF 3-8. For EQF 3-6, it means, e.g. the machine operators, logistics and maintenance staff and technicians (in other words, the blue-collar workers at vocational education levels). EQF 7-8 means, e.g. material engineers, battery design engineers, etc (the white-collar workers). The wide ranging focus of the project is an advantage as it brings the full overview of the battery sector, as the Blueprint project also requires. In this respect, the ALBATTS project collaborates with other relevant projects focused on the European skills agenda with a specific view of selected EQF levels, such as master- and doctoral-level education development

Introduction and context

Stakeholders

For links to all stakeholders, please see [Search | Erasmus+ \(europa.eu\)](#):

- Asociația producătorilor și importatorilor de automobile (APIA), Romania
- Association des constructeurs European automobile manufacturers Associations, Belgium
- Associação de formação para a indústria, Portugal
- CCKF Ltd., Ireland
- Corvus Energy AS, Norway EFACEC Energia – Maquinas e equipamentos electricos SA, Portugal
- HE3DA S.R.O., Czechia
- International software-experts for collaborative networks I.S.C.N GESMBH, Austria
- Intertradecard SR, Romania
- Northvolt AB, Sweden
- Oy Merinova AB, Finland
- QB LDA, Portugal
- Sdružení automobilového průmyslu, Czechia
- Spin 360 SRL, Italy
- Universidade do Porto, Portugal
- Univerza v Mariboru, Slovenia
- Vaasan Kaupunki, Finland
- Vaasan Yliopisto, Finland
- Vestland Fylkeskommune, Norway
- VSB Technical University of Ostrava, Czechia

Objectives

The overall purpose of this project is to promote cooperation between all stakeholders in different parts of the battery and electromobility value chain, to analyse what is happening in the sector related to the skills agenda, and to develop a sectoral skills strategy and blueprint for sectoral stakeholders, including education and training in and for the sector.

The Steering board oversees the work, evaluates, supports and if needed directs its development within the framework of the contract. The ALBATTS Steering board is led by the ALBATTS partner ACEA and have members as EIT Innoenergy, EIT Raw Materials, EUROBAT, the Stuttgart region, and the BATTERY 2030+ Research Roadmap project umbrella.

The ALBATTTS project works with two core and interdependent development processes. Three Work Packages focus on “Sectoral Intelligence”, to find out what is happening in the whole battery value chain; stakeholders, drivers of change, technologies, attractiveness of the sector, global context, emerging skills, and competence and new job roles needs and offer.

The Work Package on Education and Training, is continuously using the sectoral intelligence results for analysis and planning of their work. This is done to address the emerging job roles and skills needs, identify gaps in present education offerings, formulate curricular items as learning objectives, produce or in other ways address missing learning materials.

In addition, and to the support of these lines of action from the project work, there is also an ambitious and modern dissemination activity. The dissemination has two main strands - the sharing of activities, initiatives, and results from the partnership, and the scan of related projects, initiatives or designed strategies and policies at national and European levels. These allow the creation of news, publications, and posts on the project website and media channels, to raise awareness from the e-mobility ecosystem inside and outside the partnership and to all relevant stakeholders.

Dissemination is a collective effort which facilitates the promotion of results, related campaigns, and organisation of events. The project has reached out well with dissemination and networking activities and is well placed and known in the context of other European organisations, projects, and initiatives (concerning batteries and electromobility).

The ALBATTTS project has as its main agenda the development of Vocational Education and Training (VET) for the value chain, while other projects mostly have education as a part of their projects, and focuses on higher levels of education. ALBATTTS is also a vital part of relevant ecosystem within the Pact for Skills. The value chain is developing and changing fast, both globally and in Europe.

Funding

EU Grant EUR 3 985 074

Key activities and outcomes

The key results are available on the Project ALBATTTS website (project-albatts.eu) and focus on the following areas:

- Skills intelligence in the whole battery sector;
- Skills intelligence in the stationary and industrial applications;
- Skills intelligence in mobile battery applications.

The objectives set by ALBATTTS tackle two main streams:

1. Sectoral Skills Intelligence and Strategy

- To answer the question of what is going on in this emerging battery sector, covering the whole battery value chain and possible mobile battery applications (automotive, maritime, etc) and stationary battery applications (energy grids, etc);
- The project identifies skills intelligence – the trends, new or emerging skills and job roles needed in the sector, maps the offer and delivers sectoral skills strategies including recommendations and concrete actions to ensure efficient education and training in the emerging battery sector;

2. Education and Training

- To help answer the question: how can we address the education and training needs?
- The project is mapping the education and training in this emerging sector based on the identified intelligence, developing new curricula and learning materials, and piloting training courses to support education and training in the battery sector on all relevant EQF levels;
- The defined job roles, skills, and training courses are being mapped to European recognition systems to assure Europe-wide recognition of the skills achievements.



SOURCES

[Project ALBATTTS website](http://project-albatts.eu)