

Brussels, 1 December 2019

Press release

ALBATTTS

Alliance for Batteries Technology, Training and Skills 2020-2024

The Batteries' Skills Alliance

The European Commission has selected, under the ERASMUS+ Sector Skills Alliances 2019, the **ALBATTTS** project as the only consortium, in Europe, supporting the transition to the electrification of transport and to green energy, with respect to the skills and education needed in the battery value chain.

ALBATTTS - a new **European project** - will support close collaborations between industrial and educational stakeholders, in the **emerging Batteries for the Electromobility ecosystem**.

By bringing together 20 organisations from 11 European countries, **ALBATTTS** aims to establish a direction regarding **competence demand and supply**, covering the whole life cycle of the **battery value chain, from cell production to battery systems in stationary and mobile applications**. Together, relevant stakeholders will map the current technology state-of-play and design a roadmap for the synchronisation of skills demand, by identifying and matching the new competences' needs with the supply of education and training services.

The main drive is to make Europe a competitive player in the battery ecosystem, by empowering European industry with a high-skilled workforce and expertise in batteries development and production.

Background

Decarbonisation efforts around the world impacted all sectors in boosting electrification and fostering greener and renewable sources of energy. The transport sector was an immediate target, initiating a "clean tech" movement swiftly absorbed by policymakers and governments, particularly in Europe.

An essential part of the strategy to decarbonise the transport sector relies on electrification and hybridisation, looking into high-density, fast-rechargeable batteries. Hence, the European Commission inserted the battery *at the heart of the industrial revolution*¹ and *is investing in a competitive and sustainable battery-*

¹ Vice-President Maroš Šefčovic

manufacturing sector, envisaging a strong battery industry that contributes to the circular economy and clean mobility².

In October 2017, the European Battery Alliance (EBA) was launched and in 2018 the European Commission, with its [Strategic Action Plan on Batteries](#), adopted a set of measures for a sustainable and competitive battery 'ecosystem' in Europe. Thus, the EU as a whole is enhancing energy storage production autonomy by preparing its whole value-chain, including delivering sector-specific skills solutions through a new framework for strategic cooperation - the Blueprint for Sectoral Cooperation on Skills³.

Project Goals

Presently, it is very hard to be competitive in the production of small-scale energy high-density cells. This suggests large investments in current and in future generations of battery technologies, including those related to second use and recycling.

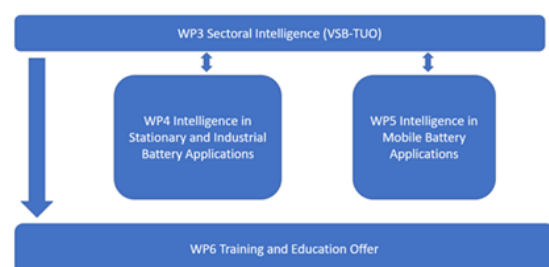


Mass production and a complete battery value chain in Europe will create high demand for the qualification of the workforce and rationality in their education and training. Battery producers request a **new educational paradigm**, in line with the future of affordable production of high-energy density battery cells, on which electro-mobility is dependent on.

Moreover, the growing market demand for high capacity energy storage facilities requires the addition into future educational programs, of stationary battery installations and the analysis of the production cycle of batteries.

ALBATTs efforts will, therefore, be divided into six work packages, encompassing Stationary and Industrial battery Applications, and also Intelligence in Mobile Battery Applications.

This includes **defining new job roles and new curricula**. Educational providers, from upper secondary, post-secondary VET level to university masters and PhD studies, will cooperate on creating a training offer. Taking into consideration the analysis on industry needs.



² Commissioner Elżbieta Bieńkowska

³ <https://ec.europa.eu/social/main.jsp?catId=1415&langId=en>

The Project Partnership

- ◆ Skellefteå kommun (SE) is the project coordinator.
- ◆ The Steering Board is led by ACEA as an umbrella association of the European automotive OEMs.
- ◆ **ALBATTTS** consortium is composed by 20 partners, from 11 European Countries.

Duration and Budget

The **ALBATTTS** project runs from **2020 to 2024** with a budget of **4 million euros** and includes main battery stakeholders comprising industries, R&D organisations, IT companies, public entities, European sectorial associations, VET schools and Universities, from the 11 EU partner countries. Plus 3 Associated partners.