



GENERALITAT VALENCIANA

Conselleria d'Economia
Sostenible, Sectors Productius,
Comerç i Treball



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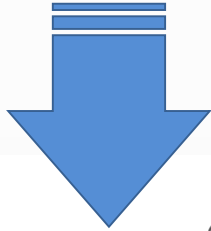
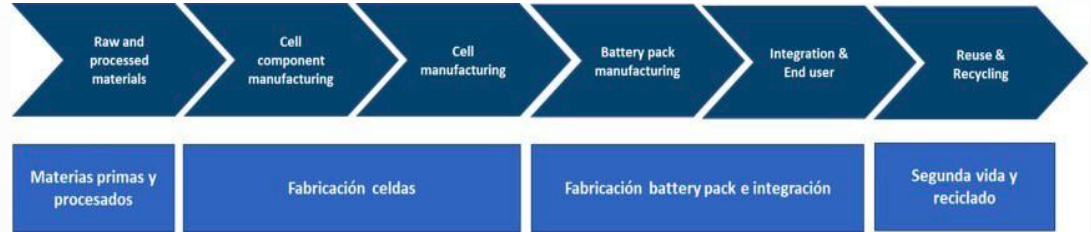
Alianza Valenciana de Baterías.

19/05/2021.

Valencian Battery Alliance Context



Objective: Capture a significant proportion of the entire value chain of the global battery market.



Valencian Battery Alliance



Objective: development of a Gigafactory as an industrial opportunity for the Land of Valencia

Opportunities

- Positioning the CV and its industry as an international benchmark.
- Technological leadership.
- Positioning sectors such as the automotive sector.
- Generation of New Industries.
- Diversification of current industries.

Strengths

- Strategic Location and Communication
- Powerful Clusters linked to the battery value chain
- User Companies driving the market
- Presence in National and European Forums

Valencian Battery Alliance

Mission, Vision and Objectives

The **Valencian Battery Alliance** was presented on 17/02/2021.

Mission:

Bring together all stakeholders in the regional industrial battery ecosystem, in order to develop and support a competitive regional value chain oriented to international markets.

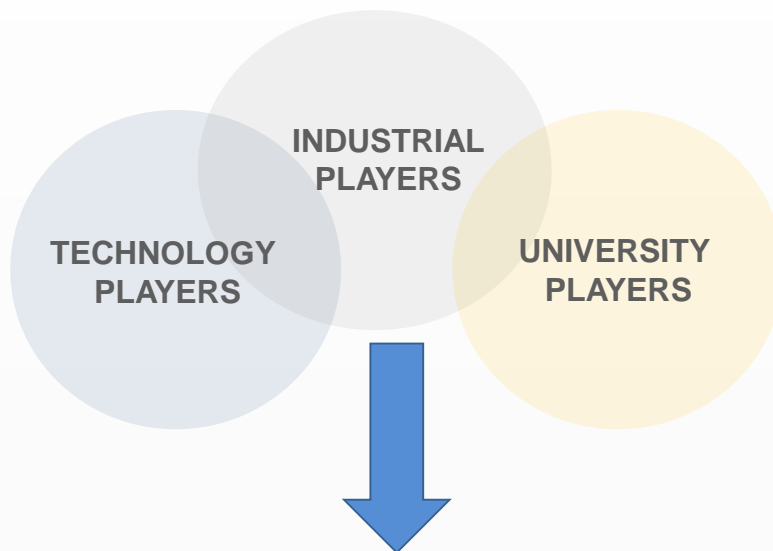
Vision:

Becoming an active and innovative industrial initiative capable of strengthening the Valencian industrial sector. Embracing the industrial challenges outlined by Europe in the framework of the EBA (European Battery Alliance).

Objectives:

- Position the Valencian industrial sector in the battery manufacturing value chain.
- Promote collaborative innovation among the involved stakeholders as a leverage in technological development.
- Become the Spanish industrial lighthouse in the technological field of energy storage.
- Foster the Valencian technological and manufacturing capacities in batteries at international level.
- Promote the attraction of exogenous companies to the Land of Valencia.
- Foster diversification towards a reference technological sector.

Valencian Battery Alliance Players



INDUSTRIAL PLAYERS

Materials Industry

- Synthesis of materials for anodes and cathodes.
- Development of materials for electrodes.
- Manufacturing of lithium and silicon carbonates.
- Inks for printing.
- Development of polymeric separators.

Cell/Battery Manufacturing Industry

- Manufacturing of electrolytes and separators.
- Laser cutting electrodes.
- Manufacture of machinery for cell development and battery pack.
- Manufacturing of battery pack housings.
- Power electronics manufacturing (BMS, converters, ..)

Recycling and Second Life Industry

- Waste management.
- Valorization.
- Battery recycling.
- Second Life.

Valencian Battery Alliance Members.



CATALYSIS AND INDUSTRIAL LEADERSHIP



KNOWLEDGE CREATORS



INDUSTRIAL SECTOR



Valencian Battery Alliance Learnings

Learnings AVB experience:

- ❑ **Ris3** as a place to join researchers, technologists and companies. **Smart Grids Lab**: bridge **research and industrial application** for electro-mobility and stationary energy storage
- ❑ **Leadership**: innovative (indeed disruptive) subjects but focused on industry development and entrepreneurship
- ❑ **Listen**: Policies open to incorporate learnings and priorities coming from lab
- ❑ Support from car **manufacturing cluster** capacities, open to diversify in order to strengthen **industrial leadership**;



Industrial Modernisation



Advanced materials for batteries



For electro-mobility



Dan Roca, ©AdobeStock 2019



For stationary energy storage



Petrovaga, © AdobeStock 2015

Valencian Battery Alliance Learnings

Learnings AVB experience:

- ❑ **Industrial Leadership:** key issue to speed out the project in the region
- ❑ **Not only cars, mobility as at all and stationary**
- ❑ **Cross capacities** from different sector to obtaining innovative results enabling for cost reduction of advanced materials (increasing the development and **implementation of clean technologies**), electronics, rail, ...
- ❑ **Knowledge** as a basement of sustainability and profit
- ❑ **Roles** ITE technical assistant, DG Industry and Energy, ...



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