Geothermal Lithium and Sustainable Battery Production in the EU

The Development of the European Battery Ecosystem
24 November 2020, Pia Alina Lange
Online conference
About RECHARGE

RECHARGE is the leading industry voice for the advanced rechargeable and lithium battery value chain in Europe.

It is our mission to ensure an international level playing field based on innovative, competitive and sustainable batteries by promoting:

- Environmental-friendly design, manufacturing and end-of-life management of batteries
- Safe manufacturing, usage, storage and transport of batteries
- Social responsibility along the entire battery value chain
ADVANCED RECHARGEABLE BATTERIES ARE A STRATEGIC IMPERATIVE FOR THE INDUSTRIAL AND SOCIAL REVOLUTION TOWARDS A MORE EMPOWERED AND SUSTAINABLE SOCIETY.
A World of Batteries – in Applications

Market Share LIB by application, 2018

- Electronic devices: 64%
- Industrial, ESS: 20%
- Others: 11%
- E-mobility: 5%

Source: Avicenne
A World of Batteries – in Numbers

Global Market Share, 2018
- Rechargeable batteries: 91.20%
- Primary batteries: 5.80%
- Others: 1%

Global Market Share, 2018
- LIB: 27%
- Others: 1%

Global Market Growth, 2018
- LIB: 5.80%
- Others: 91.20%

Source: Avicenne
European Battery Alliance: Important political signal for battery technology and further development of the European ecosystem.

- European investment reached EUR60B in 2019
  - Cell manufacturing capacity
  - Mining projects
  - Recycling capacity and innovation

European (lithium) battery industry is on track to become 2nd largest market worldwide

Source: EU Commission 2020 - raw materials development in Europe
A strong supporter of the European sustainability agenda, RECHARGE participates with scientific evidence and industry knowledge in the respective institutional work. It is our goal to help establish a regulatory framework that enables European actors to execute on the technological, environmental and social leadership ambitions of the Strategic Action Plan on Batteries. For us, a successful batteries legislation constitutes of the following three pillars:

1. Level Playing Field with International Competition
2. Lean and Coherent Legislation
3. Value Chain Approach
The RECHARGE vision

Sustainable batteries based on **carbon footprint**

Sustainable Batteries based on **mandatory due diligence requirements** and transparent tracing

Safe batteries based on **qualified repair and refurbishment**

**RECHARGE advocates legislative measures that enable:**

Effective and meaningful labelling and consumer information

Toxic-free environment based on scientific-based exposure risk for end-users and workers

Sustainable batteries based on **high-impact recycling**, and **sound waste treatment** in an international level playing field

Safe batteries based on **qualified repair and refurbishment**
Thank you

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