

DESK RESEARCH

INTELLIGENCE IN THE BATTERY VALUE CHAIN: MOBILE BATTERY APPLICATIONS

D5.1 Desk Research & Data Analysis for sub-sector IMBA - Release 1

This analysis covers the whole **battery value chain** from raw materials mining and processing up to second use and recycling - key drivers of change, stakeholders, state-of-the-art technologies, job roles, skills, and education opportunities. The Operation, repair and maintenance chapter focuses on **electric passenger cars** and maritime **vessels**.

GENERAL

Need to understand the **whole battery value chain** from mining of the raw materials to recycling? Interested in the operation, repair, and maintenance of **electric vehicles** and **electric vessels**? Wondering what key drivers of change, stakeholders, technologies, and job roles are there?

Explore our first comprehensive desk research report D5.1.

RAW MATERIALS AND PROCESSING

Where are the **deposits** of the scarce raw materials for battery production in the EU and globally? How are they **mined** and **refined**? What are the political, trade, regulatory, and competence **issues**? Who are the key **stakeholders**?

See chapter 3.1. Raw materials and processing (from page 68/69).

CATHODE AND ANODE MATERIALS USED IN EVS

Wondering which cathode and anode **technologies** are used in electric vehicle models? Which ones will **dominate** the future?

See chapter 3.2.2. Cell Components (from page 91/92).

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