



Future50

Mobility and Transport

Batteries/Fuel Cells



EXELx Regenerative Battery Technology



<https://www.exelx.net/>

#GreenManufacturing
#ClimateTech

Highlights

Exelx is part of the **Masdar Innovate** initiative.²⁸³ The company reports that it has secured proof-of-concept projects with **IKEA** and **Aramex** in Jordan, and a patent in Japan for their core technology.

Strategic alliances:

- Insurance Companies
- Warehouses
- EV Manufacturers
- EV Mobility Companies
- Heavy Industry
- Airports
- Forklift Companies

List impact technologies

Light Duty Battery EVs, Battery Regenerate-Reuse-and-Recycle

Headquarters:

United Arab Emirates

Middle East operational countries:

Jordan

Summary

EXELx is a regenerative battery technology company that claims to perform high-accuracy testing, revival and maintenance services aimed at **extending the life cycle of lithium-ion, NiMH, lead-acid and other types of batteries.**

Exelx indicates a differentiated battery manufacturing approach – taking batteries from manufacturing and consumption to repair, reuse, second application, and then recycling those that cannot be reused. Example use cases include electric vehicles and forklifts across multiple industries.

Impacts

By extending the lifespan of batteries, Exelx seeks to **reduce the number of batteries that go to landfills** and to improve the traceability of battery cells. The company suggests that this in turn will help **reduce sourcing and mining of raw materials** to create new batteries, and indirectly reduce the carbon footprint and emissions from the manufacturing process.

