Amman battery research and development

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A Research & Development Department based in Jordan and the UAE as we use historical experience, advance regulations and the available infrastructure in knowledge off High Quality & Precision, for all our technoligy that are designed by our team of engineers in partnership with our technology partners Battery Bank system in Japan and the global development consirtoum we created to stay ahead in regenerative technology for batteries.

EXELx is an innovative startup company as a part of Integracast Holding. Established its HQ in Abu Dhabi – Masdar in 2021, with a Research and Development Centre base in Amman – Jordan. It has been conducting research and studies to develop new battery regenerative service technologies using excellent innovative solutions that perform high accuracy of testing, reviving, and maintenance services with our partners “Battery Bank Systems – BBS".

Our Regenerative Technology has proven results among different batteries and recovery applications from EV & hybrid vehicles to telecommunications towers and forklifts. For a longer life cycle with a guaranteed and notable extended efficiency to reduce the number of batteries that go to landfills. In addition to providing awareness of all that"s needed to maximise battery efficiency and durability. Ultimately creating a sustainable life cycle.

– Manufacturing new batteries is energy-intensive and has a significant carbon footprint, primarily from raw material extraction and processing. By regenerating and repurposing batteries, the need for new batteries is reduced, leading to fewer emissions from production.

– Batteries contain valuable materials like lithium, cobalt, nickel, and manganese. By extending the battery’s life or repurposing it, we make better use of these resources, reducing the demand for new raw material extraction. This helps conserve scarce resources and reduces the environmental impact associated with mining.

– Batteries that are no longer suitable for vehicular use but still retain a significant portion of their capacity can be repurposed rather than discarded. This reduces the amount of waste going to landfills and the environmental hazards associated with battery disposal.

– Repurposing batteries can lead to cost savings, especially if the alternative is procuring new batteries. Second-use applications can provide a cheaper energy storage source for various industries and applications.

– It can also create new business opportunities and markets, such as battery refurbishment services,

second-life battery sales, and energy storage solutions using repurposed batteries.

– Second-use batteries can be used for grid energy storage. This can help in stabilizing the grid, especially with the increasing integration of intermittent renewable energy sources like wind and solar. Such batteries can store excess energy when generation is high and release it during periods of low generation, thus facilitating a smoother transition to renewable energy.

– Repurposed batteries can be used in remote areas or for emergency backup power, providing energy storage solutions where the energy infrastructure might be weak or absent.

The 240 megawatt (MW) Al Manakher Power Plant is scheduled to be officially inaugurated on Wednesday, according to the European Bank for Reconstruction and Development (EBRD).& nbsp;

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