
Lithium power station factory in Indonesia

The Top 10 Emerging Technologies of 2025 report highlights 10 innovations with the potential to reshape industries and societies.

Lithium is a lightweight metal used in the cathodes of lithium-ion batteries, which power electric vehicles. The need for lithium has increased significantly due to the growing ...

The main difference is the energy density. You can put more energy into a lithium-ion battery than lead acid batteries, and they last much longer. That's why lithium-ion batteries ...

Also known as the 'white gold' of the energy transition, Lithium is one of the main ingredients in battery storage technology, powering zero-emission vehicles and storing wind ...

Lithium is one of the key components in electric vehicle (EV) batteries, but global supplies are under strain because of rising EV demand. The world could face lithium ...

Why we must leverage technical innovation, public-private partnerships, existing infrastructure and skilled labour to optimize battery production globally.

Too many lithium-ion batteries are not recycled, wasting valuable materials that could make electric vehicles more sustainable and affordable. There is strong potential for the ...

Africa has an enviable wealth of minerals such as copper, lithium and cobalt that are vital for the world's clean energy transition. The continent's population is predicted to reach ...

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