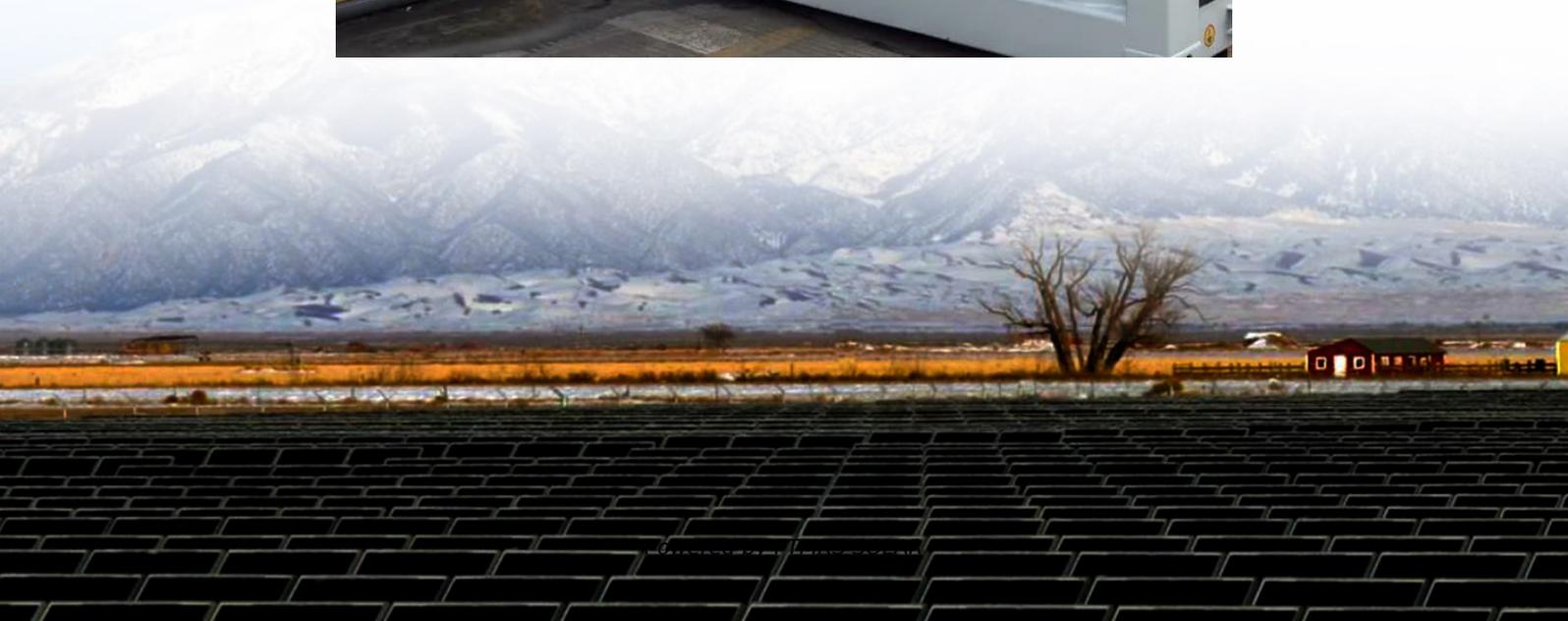


Automated assembly of energy storage batteries





Overview

What is a battery assembly line?

A battery assembly line is a system that puts together different parts of a battery, like cells, tabs and modules, into a complete unit. It uses machines, robots and automation to handle tasks like stacking cells, welding connections and running safety checks.

Is your battery assembly line ready for the future?

When you integrate flexibility into your mechanical design from the start, your battery assembly line is ready for the future and can scale with minimal disruption. Controls engineering transforms your battery assembly line from automated to intelligent.

How can Smart Design and automation improve eV and ESS batteries?

To meet these varied needs, smart design and automation solutions are crucial to improving the manufacturing and assembly of both battery types. Here's how: A modular assembly line helps manufacturers quickly adapt to producing and assembling both EV and ESS batteries.

What is a battery lid assembly?

It ensures reliable electrical connections and is designed for different cell formats. Lid-Cap Assembly: The lid-cap assembly closes the battery cells precisely and securely using lids and covers. This technology is crucial for the insulation and structural stability of the energy storage system and contributes to its longevity and safety.



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