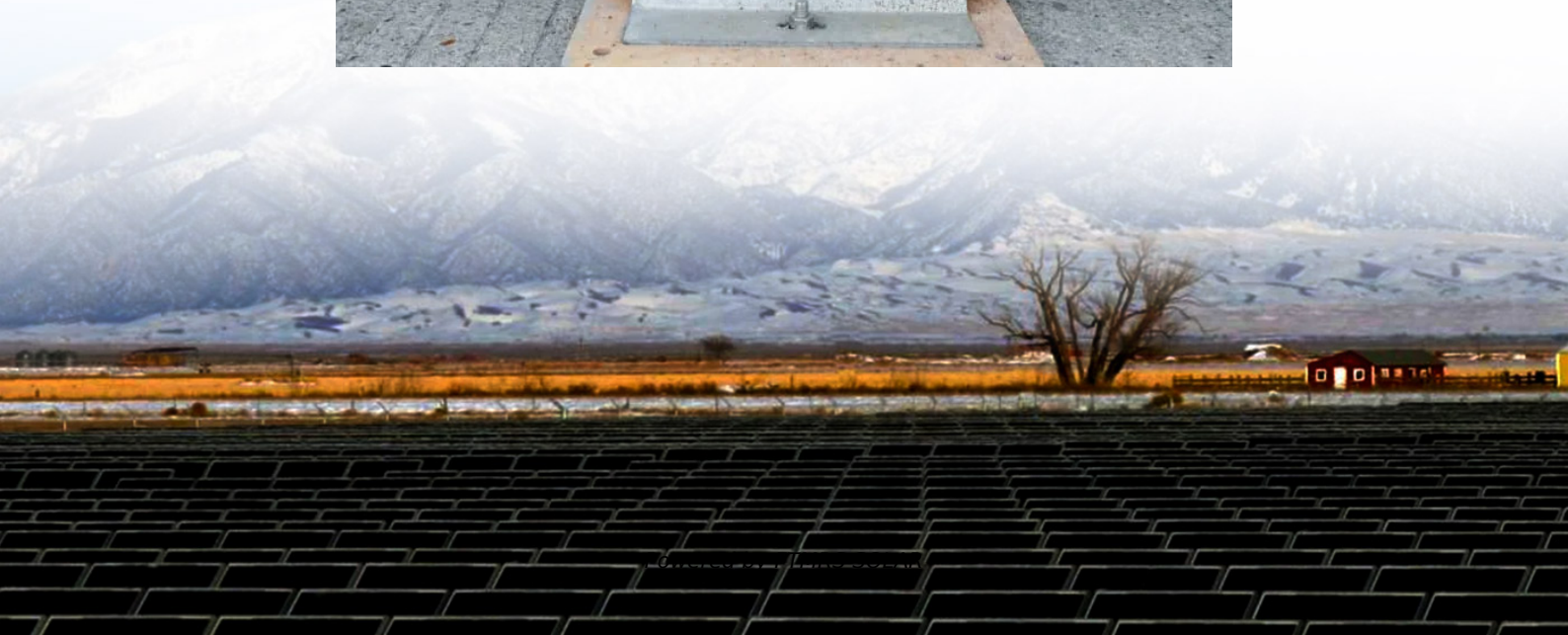


Battery pack production quality management system





Overview

What is Quality Management in lithium ion battery production?

Quality management for complex process chains Due to the complexity of the production chain for lithium- ion battery production, classical tools of quality management in production, such as statistical process control (SPC), process capability indices and design of experiments (DoE) soon reach their limits of applicability .

Why is quality management important in battery manufacturing?

What we are seeing across the battery manufacturing landscape is an extraordinary drive to meet unprecedented demand, and this environment makes digital solutions essential to achieving quality, cost, volume and delivery targets. Quality management is at the heart of these efforts.

What is a smart manufacturing solution for batteries?

As part of the depicted comprehensive flow, two other systems within the smart manufacturing solution for batteries execute the virtually defined control plans digitally. These are the manufacturing execution system (MES) and the laboratory information management system (LIMS).

How to deliver high-quality batteries?

Delivering high-quality batteries requires you to manage different processes across the whole product lifecycle, from new product development to mass production. It is essential to design with a quality mindset to accelerate battery production.



Battery pack production quality management system

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