

Cost-effective Dryrooms for Battery Cell Manufacturing

High-Tech Demo Dryroom

Advanced dryroom concepts

With its long-standing experience Exyte is globally renowned in the field of controlled environments. Based on its extensive know-how, this includes filing of various patents for 'advanced dryroom systems'. Exyte therefore offers its clients leading-edge services for cost-effective dryroom design and construction with reduced energy consumption and superior performance.

High-tech dryroom inaugurated in Shanghai

Exyte engineered and built a dryroom laboratory located at its premises in Shanghai. The dryroom was commissioned to test various hardware components and demonstrate its functionality under different operational conditions, such as varying moisture and heat loads. The dryroom conditions are specified to a dew point as low as -60°C , which is key to ensuring enhanced battery quality and extended lifetime. The facility will contribute to optimizing both capital and operational expenditures for dryrooms implemented in battery cell production factories.

Exyte is the partner of choice for leading battery manufacturers worldwide – offering a complete scope of services for the design and construction of battery factories.



Scope of Services



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Li-ion Battery Cell Manufacturing Facilities

Delivering Turnkey Factories Globally

GWh-scale Battery Facilities and Dryroom Innovations

Exyte has developed modular GWh-scale factory concepts, delivering upwards of 8 GWh in battery cell capacity. Furthermore, Exyte has patented an advanced dryroom concept for Giga-scale battery manufacturing that provides ultra-low humidity controlled environments with extremely tight temperature and contamination tolerances. Exyte has extensive experience with global high tech projects and is the one stop shop for integrated project delivery.

Customer Benefits

- Long-term experience with turnkey dryroom and cleanroom projects
- Integrated project delivery: From initial consulting through design and procurement to installation and commissioning
- Designs adapted to customers' specific requirements with optimized CAPEX and OPEX
- Global footprint with worldwide project execution



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