

Case Study

weisstechnik and dry-room-systems with high demands on air humidity and quality

WHY

Requirement for very dry air
Individual performance range
High quality end products

HOW

Adsorption drying
Continuous performance control
Energy optimised design

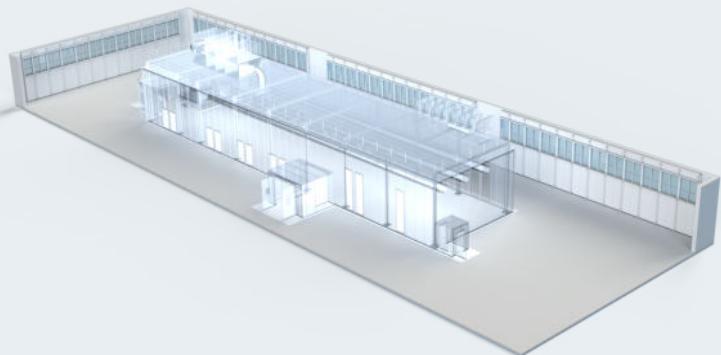
WHAT

Dry-Room-Systems for Li-Ion Battery Production with Dewpoint up to -70 °C
Air volumes 1.000 m³/h to over 40.000 m³/h

WHY - The Challenge.

A battery cell production is subject to special climatic challenges. The materials used in a Li-Ion Batterie react extremely strongly with residual water in production atmosphere. Even a low humidity in the end product causes loss of quality up to a fire of the battery.

Our many years of experience in the field of chamber construction and air dehumidification systems guarantee an optimal design of the dry room system, taking into account individual customer requirements and any battery cell characteristics.



How - The Idea.

The air dehumidification system is the heart of a dry room system. Due to its individual conception, almost any technical useful task can be implemented in combination with the corresponding chamber construction. Whether it is research or production of battery cells or the storage of raw materials in corresponding logistics halls, with a dry room system Made by **weiss**technik we enable the implementation of almost all conceivable customer requirements regarding temperature, humidity and energy efficiency.



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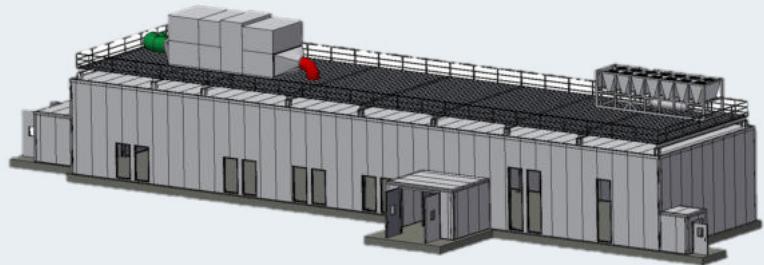
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WHAT - The Solution.

System Highlights

- Individually planned air dehumidification system
- Very high process reliability
- Seamless process documentation
- Energy-optimised overall system
- Heat recovery system



Selected product: Dry room system according to customer requirements

Technical Data

- Dry room system Size: 100 m³ - over 8.000 m³
- Dew point temperature: DP up to -70 °C
- Temperature ranges: -10 °C to +40 °C
- Cooling capacity: Application-specific
- Heat output: Depending on availability: electricity - gas - steam

