EMKO PROJECT

REFERENCE SHEET

PROJECT 526

# Automated battery storage project

**INSTALLATION LOCATION**

Mladá Boleslav, Czechia

**PERIOD**

2023-2025



Photograph from the project.

**KEY PARAMETERS**

**2 three-axis manipulators**

**12 storage positions**

**Design battery mass: max. 600 kg**

Indicative financial band

**CZK 25-50 million**

Invoiced engineering and delivery stages (milestones 1-8); excluding VAT

## Engineering and partial delivery stages

The project addressed automated supply of an assembly line with batteries held in handling frames. It combined stacked storage, three-axis handling, delivery of loaded frames to production and the return of empty carriers. The scope included engineering milestones, a prototype, mechanical supplies and integration work interfacing with the existing conveyor system.

**SCOPE OF WORK**

- Mechanical design, prototype, 3D model, electrical design and safety concept
- Two three-axis handling units, jaw grippers and a two-level conveyor route
- Design of frame and battery identification, production sequencing and data interfaces
- Manipulator FAT, elevation-interface measurements and integration tests

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.