Digitalization in battery production (IDP)

Motivation
Digitalization in battery production plays a decisive role in monitoring and improving production processes to achieve high cell quality. For this purpose, a centralized data acquisition platform is set up, to combine all relevant production data. The data will form the basis for further analyses and applications.

Tasks
The scope of this project is to develop further the existing database structure and to implement interfaces for automated data recording with the goal for creating a digital twin. Furthermore, the related web application should be adapted to the new database structure and be improved to user-friendliness.

Requirements
- Enthusiasm for the challenges of battery production
- Knowledge in database and web programming (SQL, HTML, CSS, Java-Script, PHP)
- Highly motivated and responsible
- Fluent in English or German

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