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 in combination with a SCADA system for creating a digital twin. Furthermore, the related web application should be adapted to the new database structure.

**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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