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LTTA1 meeting "Augmented Reality in vocational education and training in the context of Industry 4.0"
Workshop D1: Hololens2: Introduction and programming

Goal: Optimising a 3-Axis-Model procedure using HoloLens 2

The "Smart Factory Model" (SFM, 3-axis model) is used, among other things, to represent an automated storage process.

The automatic process is described in the following excerpt from the operating instructions.

Automatic process :

- The "emergency stop switch" must be unlocked before starting the system.
- After the "emergency stop switch" has been unlocked, it must be acknowledged with the "-S5 Reset" button.
- A reference run is carried out using the "-S4 REF" button.
- The system can be started with the "-S1 Start" button.
- The system can be stopped at any time with the "-S2 Stop" button.

  - After pressing the "-S1 Start" button, storage locations 1 to 3 are filled. After each storage, the storage process must be restarted with the "-S1 Start" button.

  - If the "-S3 ACK" button was pressed before the "-S1 Start" button, storage locations 4 to 6 are filled.

Task:
The commissioning of the 3-axis model is to be supported by "Augmented Reality" (AR) using the HoloLens2. The subsystems of the system should be described and the handling of the system should be explained in a supportive manner.
An insufficient realization was made by company xy.

Your job is to analyze this implementation and work out suggestions for improvement.
Your ideas will then be implemented with the support of the software developed by DFKI.