

# AUGMENTED REALITY WITH HANDHELD DEVICES (TUHH)

## Involved partners



## Technology

The technology is a user-centric tablet application for easy checking of construction progress in a designated construction area. In addition to this, a web application was developed to prepare and provide the data for the tablets and also serve as a user interface for clear evaluation of the progress recording.

## Applications

**Web App:** can be filled manually or automatically by third party systems. It serves as an endpoint for the

**Tablet App:** Navigate the working environment in CAD or AR mode to carry out described work processes. After that, the progress can be monitored by supervisors in the web Application.

## Impact

The system serves as additional source of information for the workers, while no special skills are required. Three main benefits that are to be expected:

- Faster recording of construction progress
- More precise recording of the progress
- Faster and more transparent communication of the actual progress

