



# The Human-Centric Shipyard of the future

Augmented Reality for construction support and supervision

**Robert Rost**

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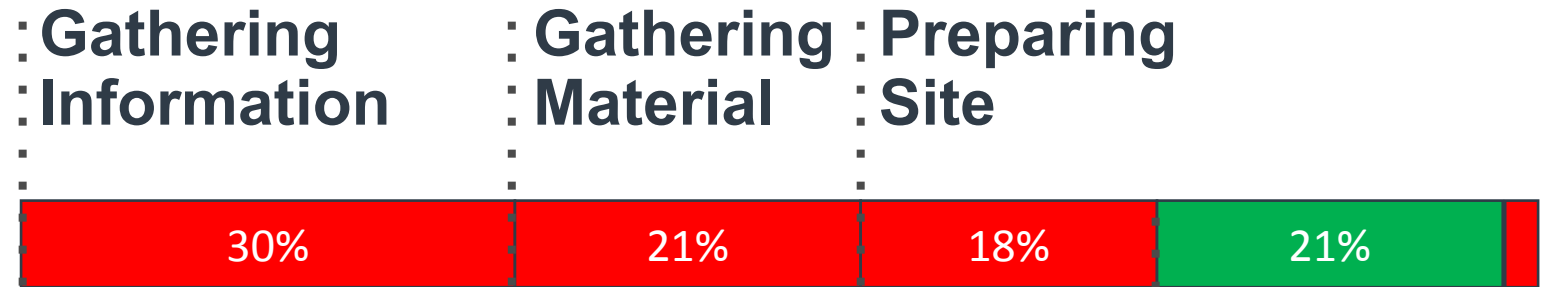
**TUHH – IPMT**

Hamburg 15.02.2021



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006798

# Situation - Problem



Adding Value



# Why Augmented Reality?

Up-To-Date Information

CAD-Model

Geometrical Position

Without Additional Effort

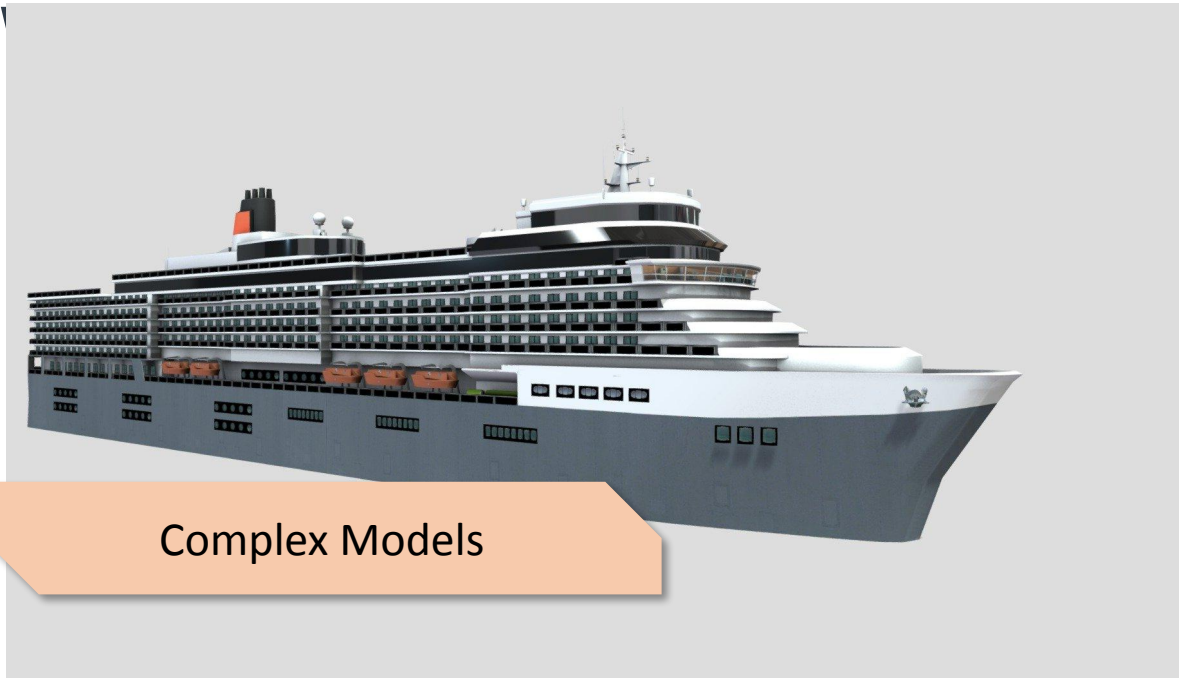
Step-By-Step Guidance

Storage Location

Interactive Measuring

Hints from the Engineer

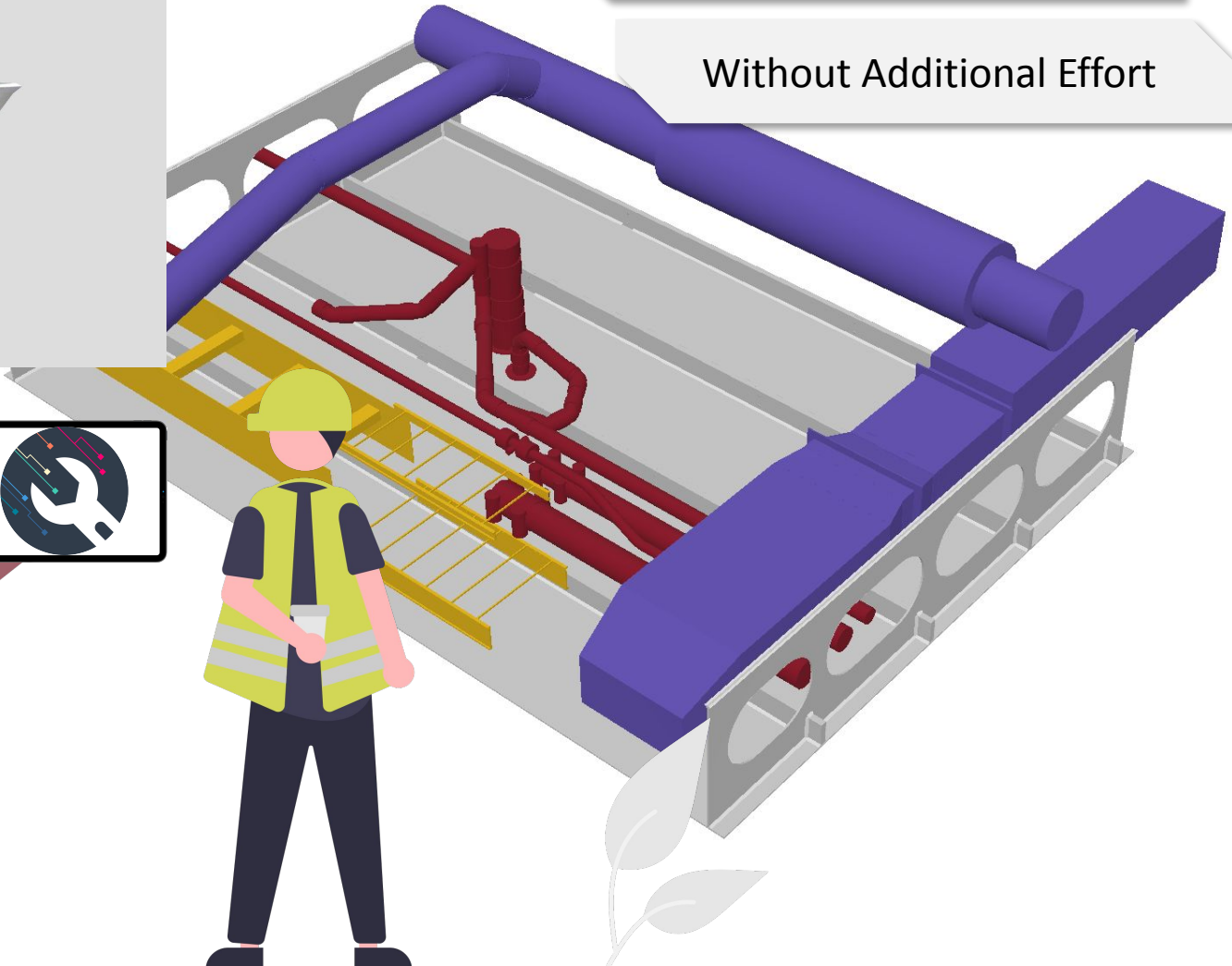




Complex Models

CAD-Model

Without Additional Effort



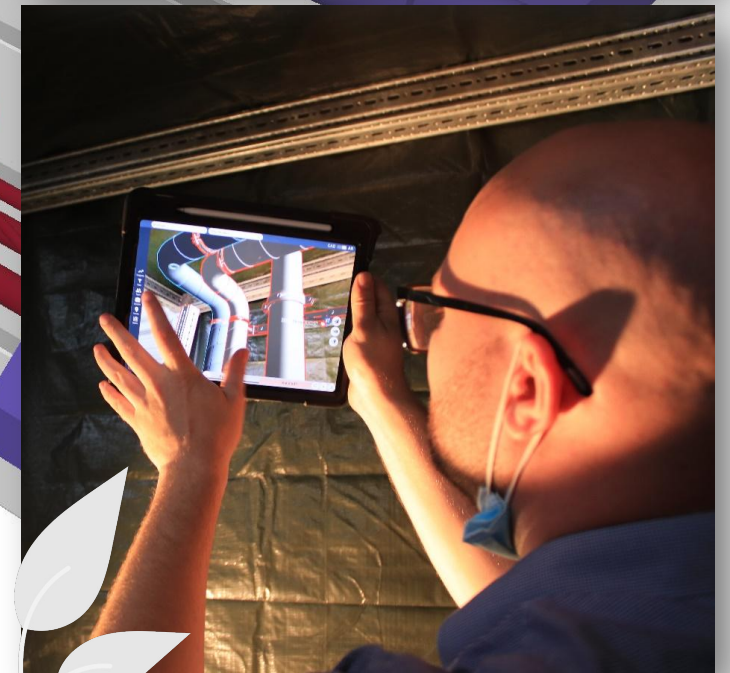
Huge Amount of Data

Effort for Information Gathering

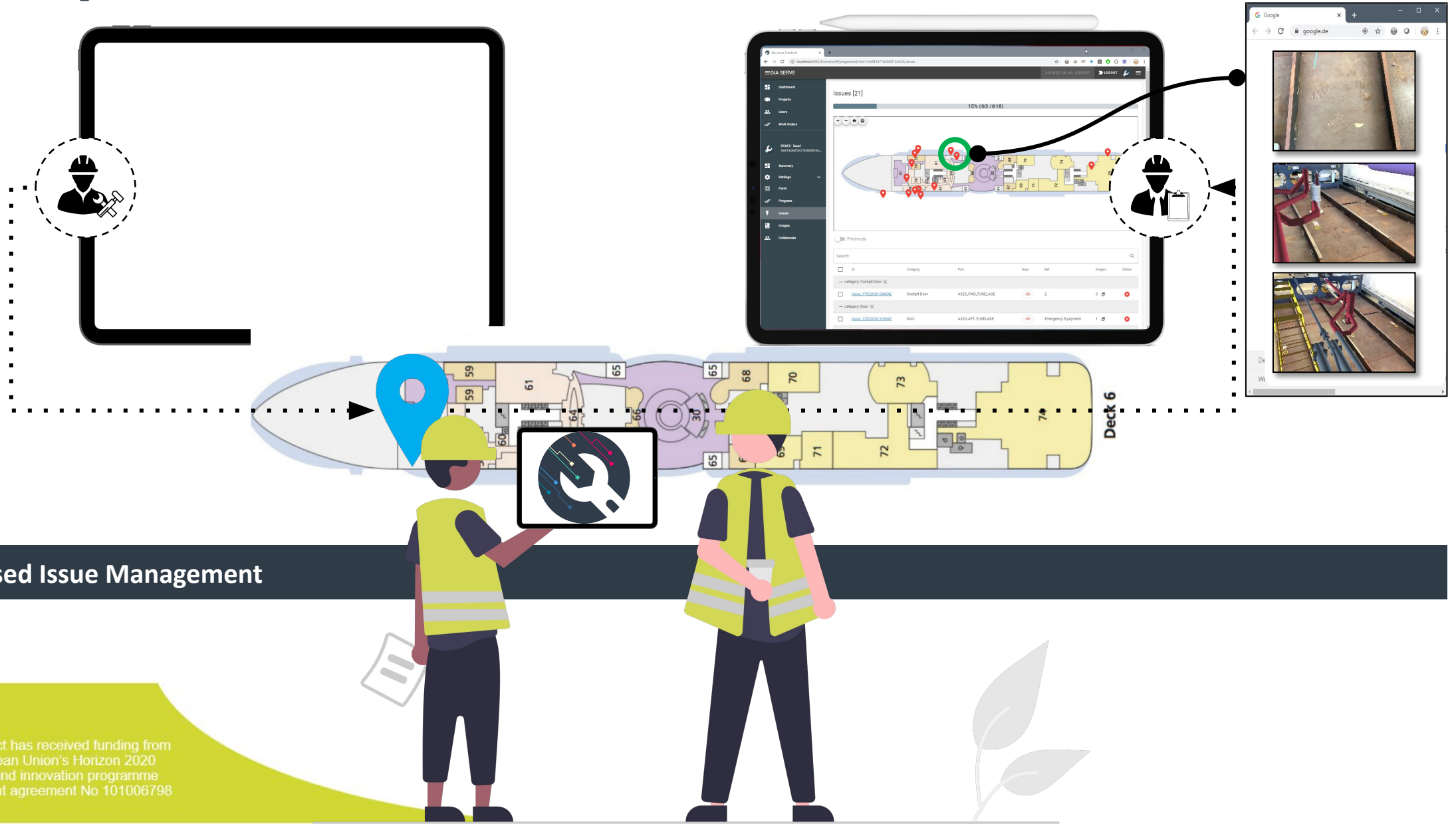


# Why Augmented Reality?

- Virtual content as an overlay to the real world
- Show content around you
- Hide content not relevant for your task
- Access unlimited Information
- Interact in realtime with your colleagues
- ... and the backoffice



# For Supervision?



## Location Based Issue Management



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# For Supervision?

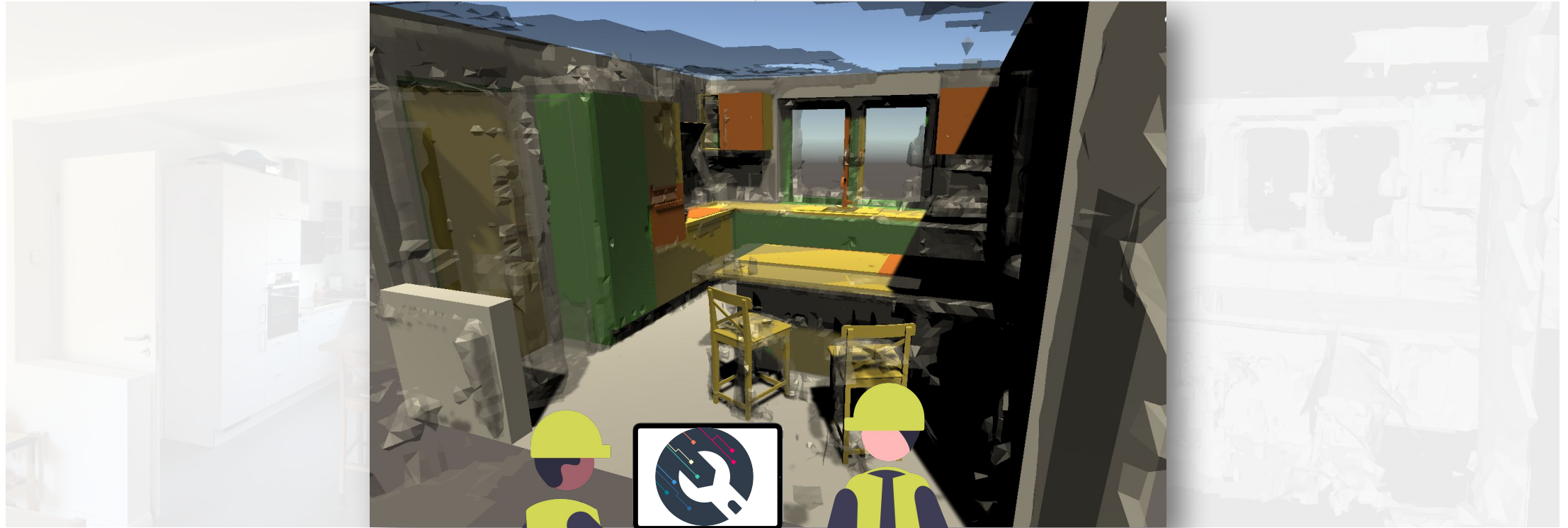


Location Based Issue Management



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# For Supervision?



Automatic Progress Detection



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**See you in the workshop!**



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