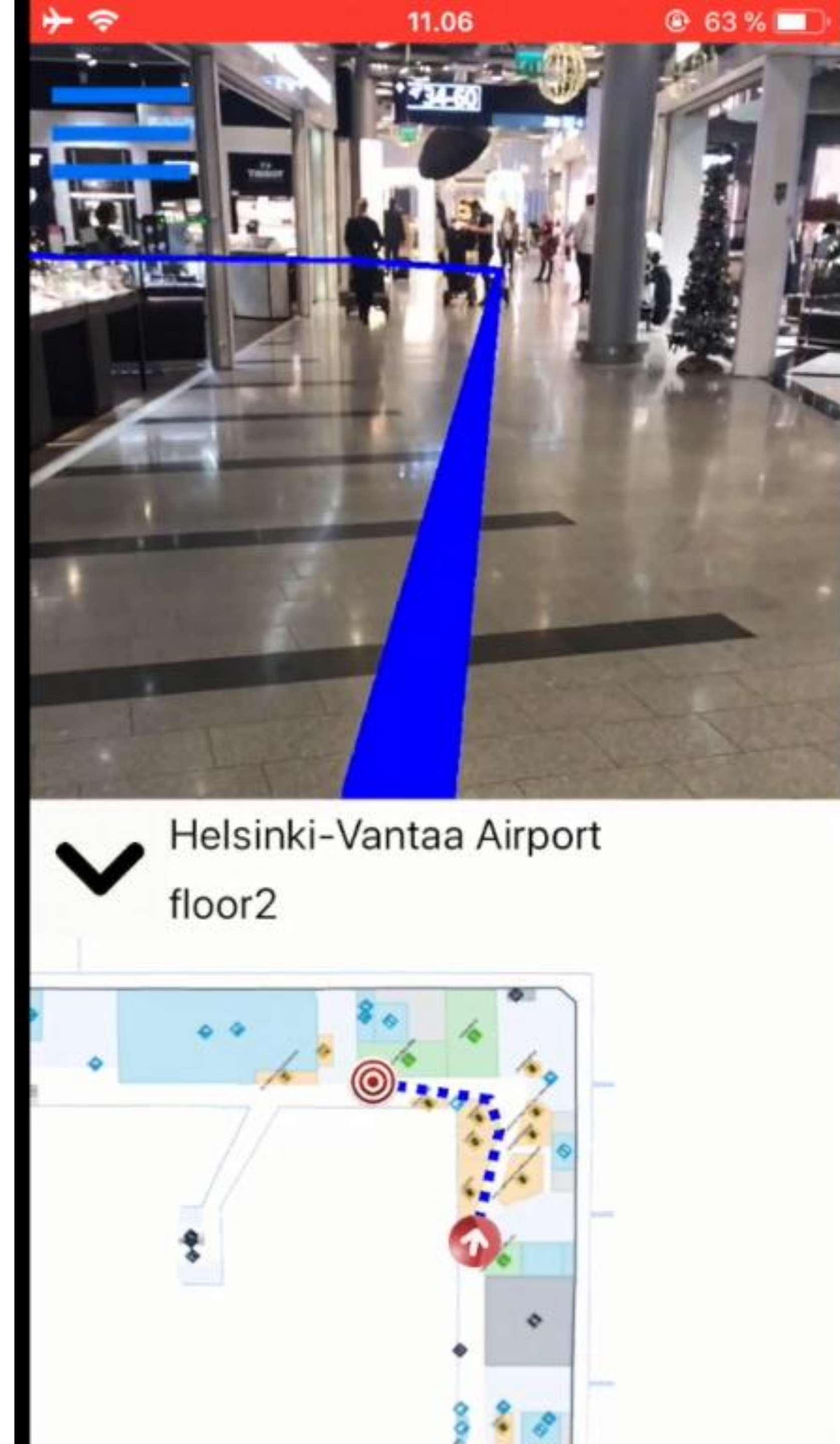


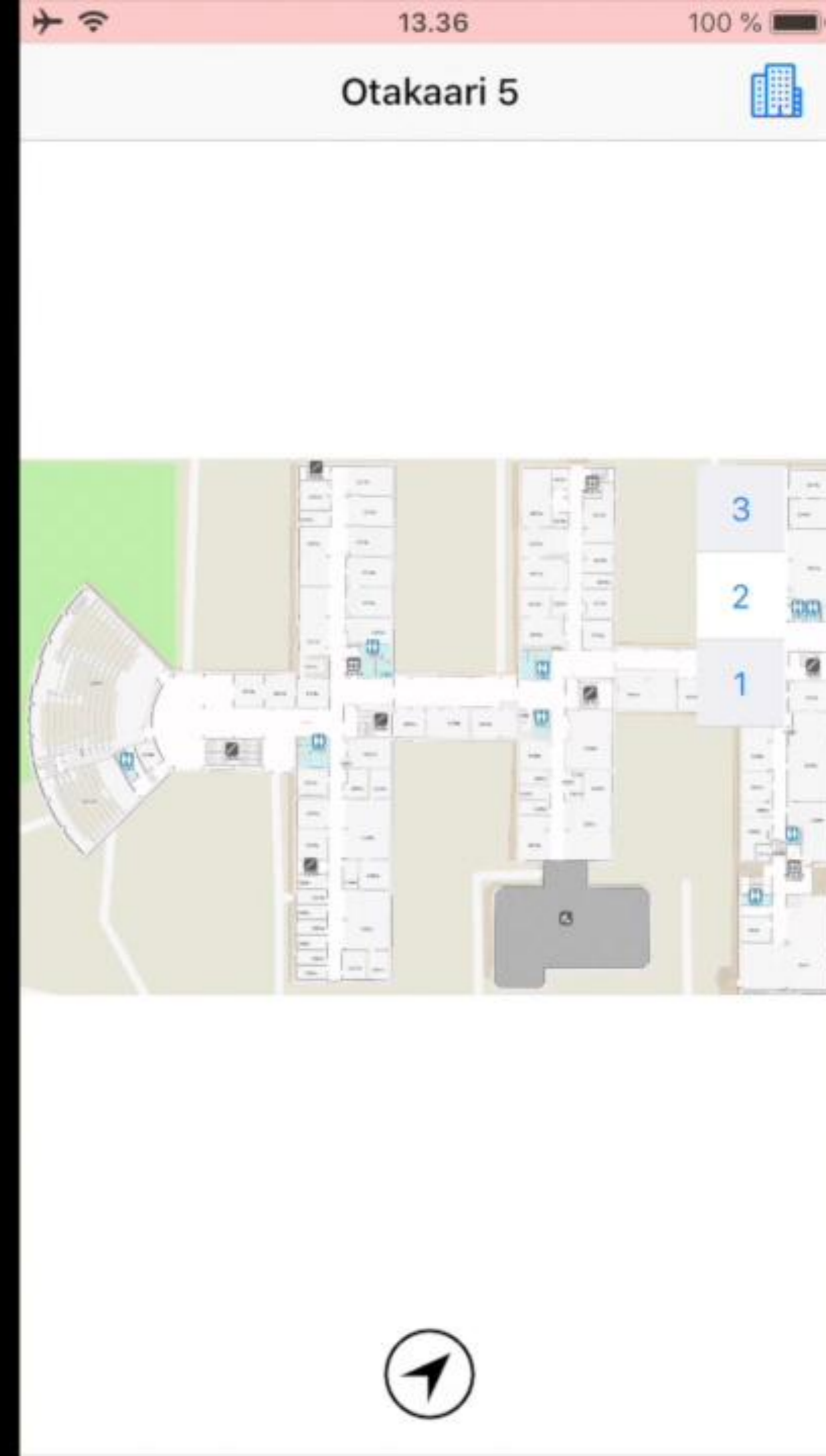
Infrastructure-less computer vision based positioning

VIMAI

Ismo Olkkonen, CEO
ismo.olkkonen@vim.ai
+358 40 543 3633
www.vim.ai



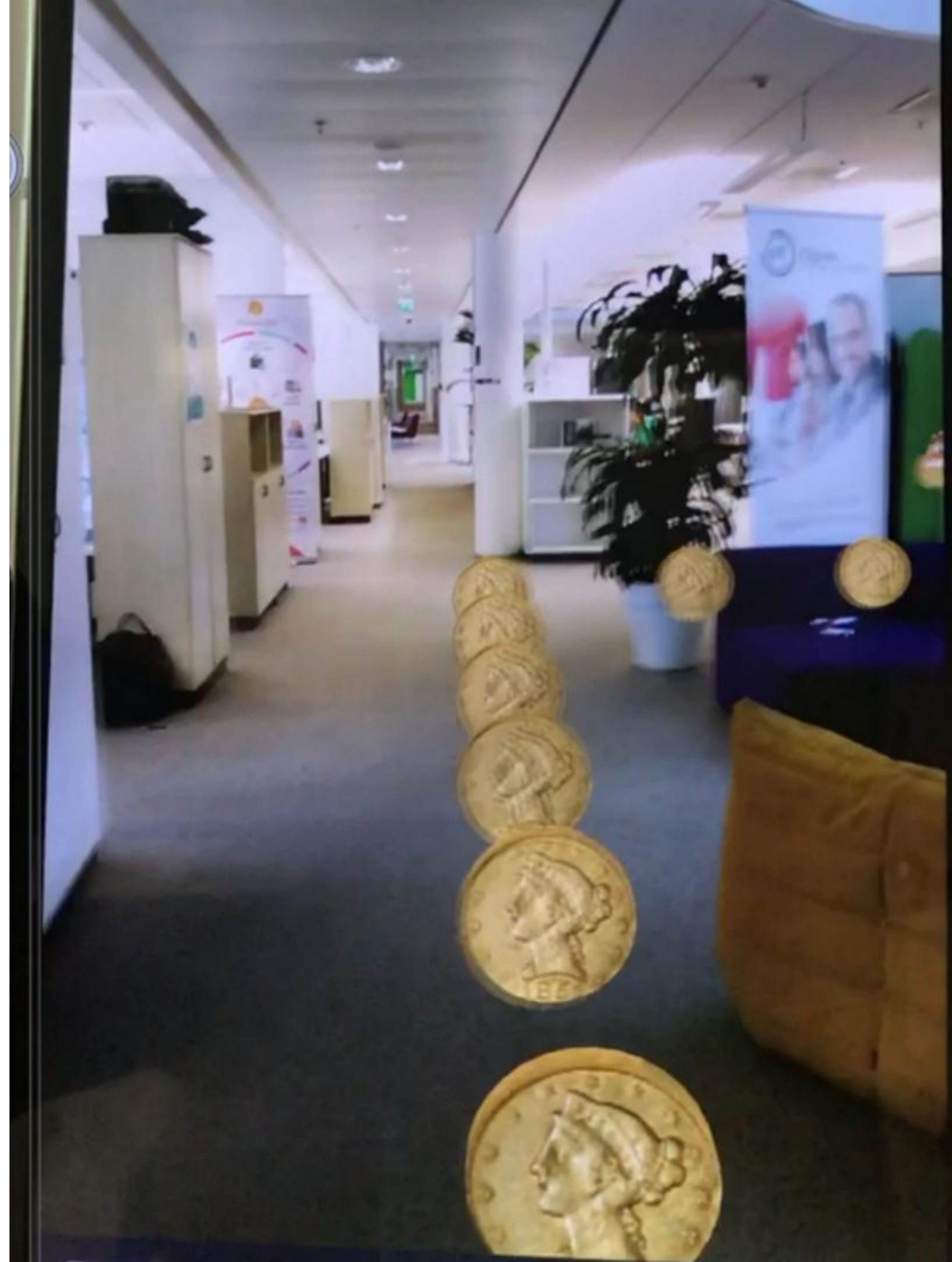
NAVIGATION AND LOCATION-BASED AR



Link to the video on the right (if you are watching this in PDF)
<https://drive.google.com/open?id=184qiMe-4IC9qEUDm6xsukBnFKSAclvDq>

KEY FUNCTIONALITY

- No beacon/marker installations are needed, just quick scanning with a smartphone
- Navigating and viewing/interacting with virtual objects

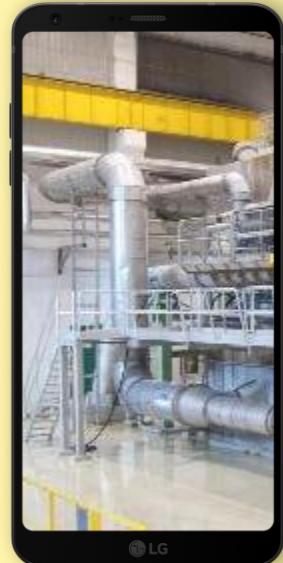


ARCHITECTURE

POI = Point of Interest

Setup and Management

VIMAI setup app

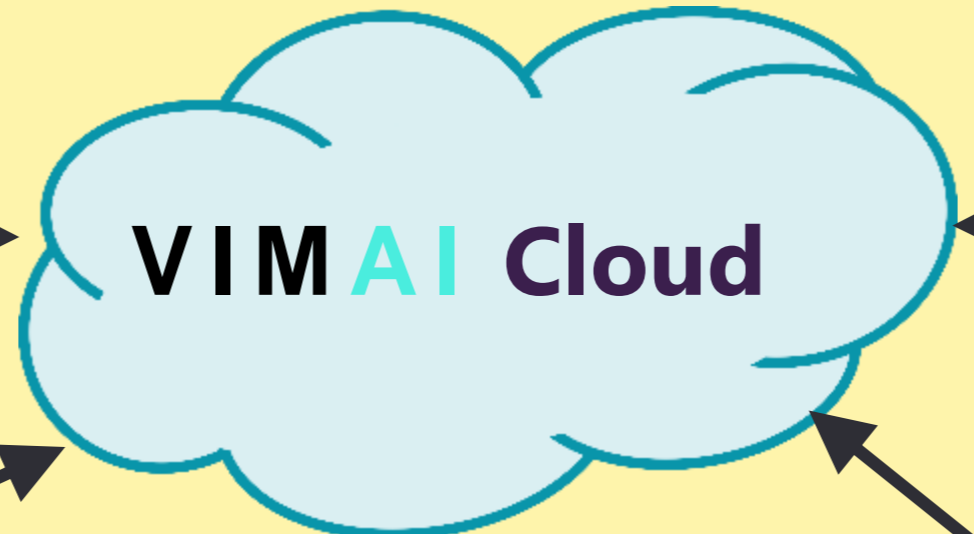


space scanning
POI and content management

VIMAI web tool



POI and content management



VIMAI AR app



AR interaction

VIMAI SDK + customer app



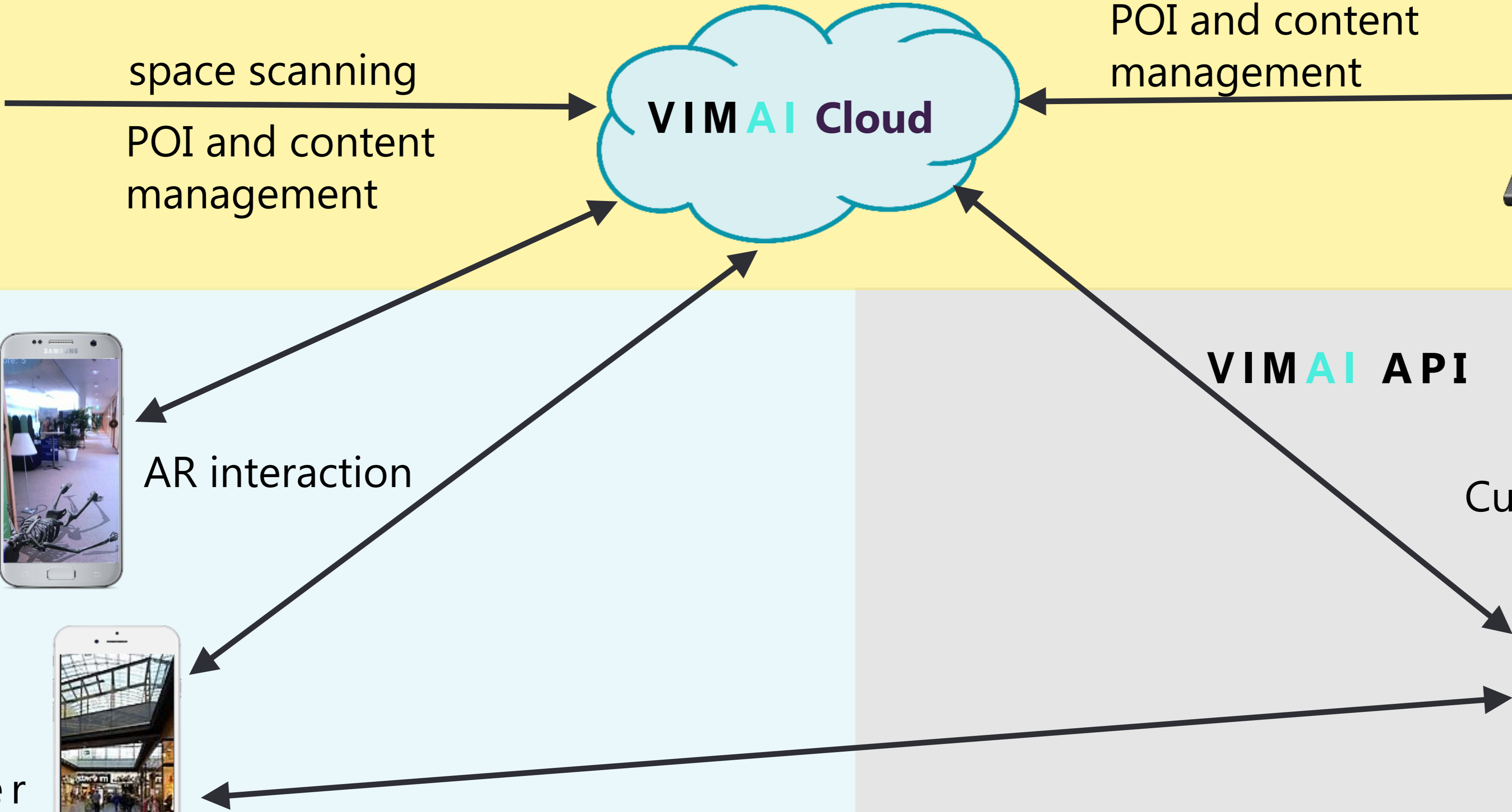
Experience

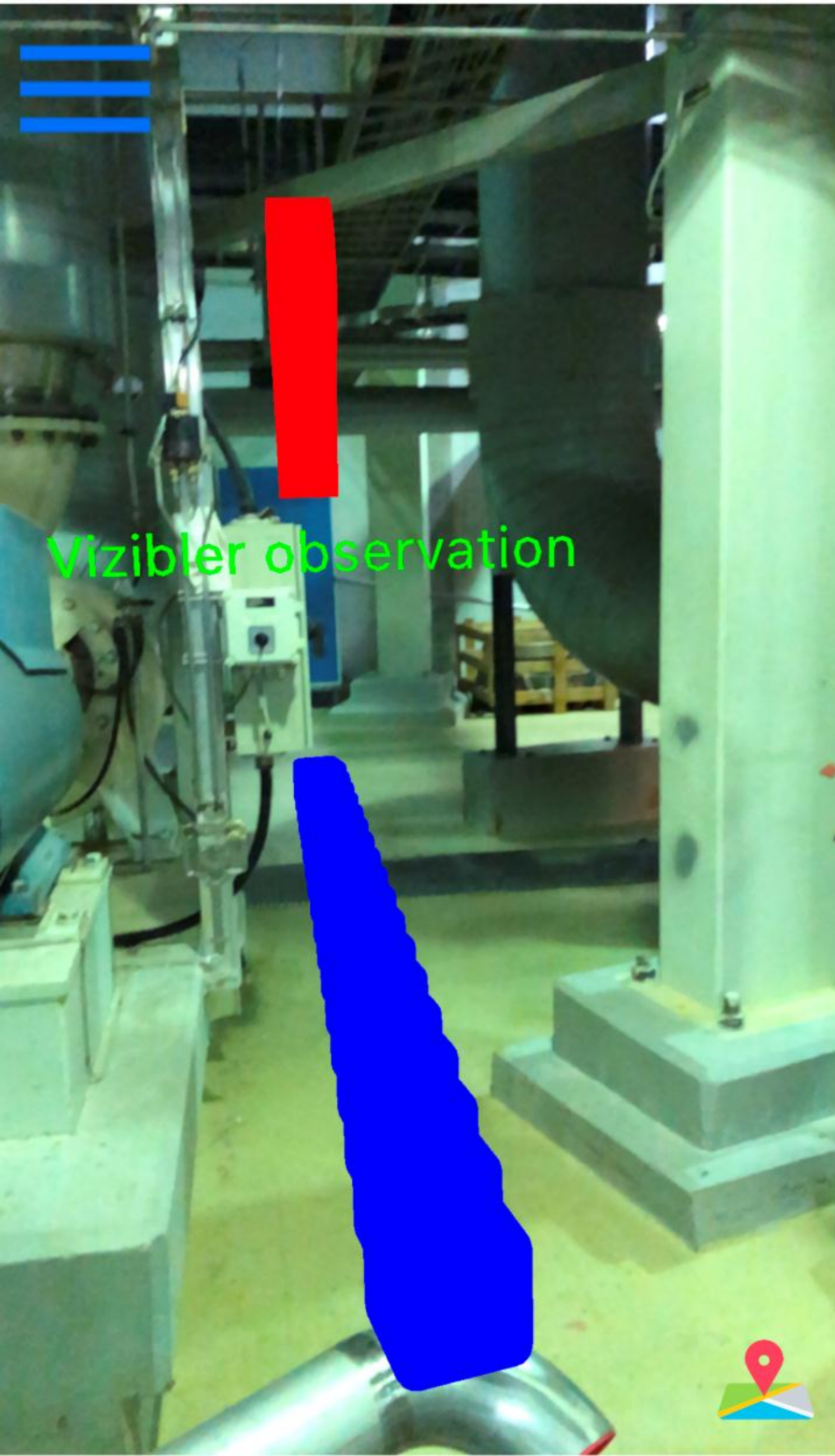
VIMAI API

Customer backend



Integration





Vizibler observation

INDUSTRIES

Inspections

Maintenance

Indoor logistics

Planning



Teollisuuden elinikä- ja asiantuntijapalvelut



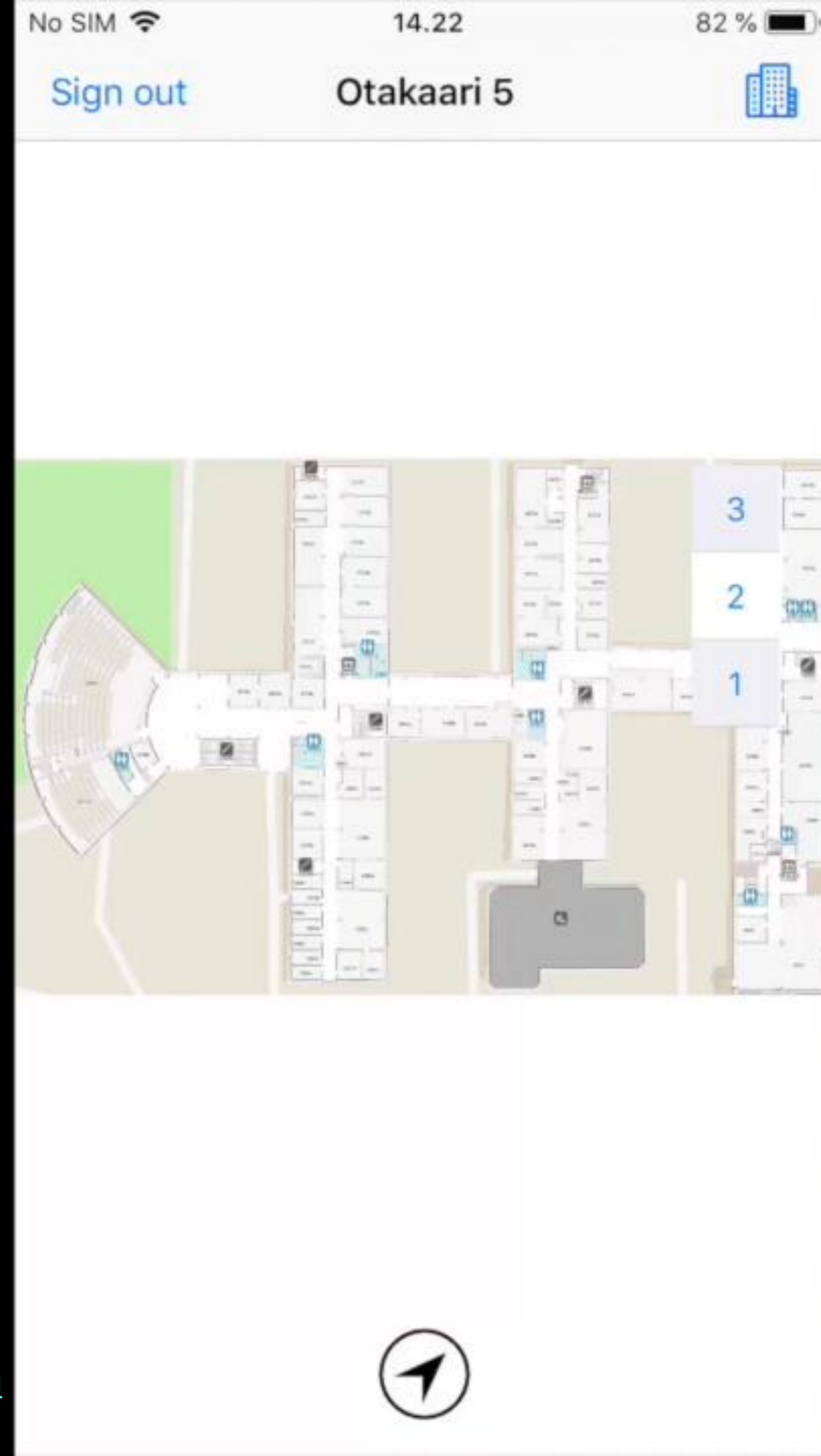
UPM



POINTING OBJECTS ACCURATELY WITH AR

- Work instructions
- Location marking for fault ticketing
- Location-based documentation
- Remote support/collaboration

Link to the video on the right (if you are watching this in PDF)
<https://drive.google.com/open?id=1gjYljGDZ2B1dQSMPsugldOkocAUvGjnq>



SHOPPING MALLS

Finding stores, exits, toilets, etc.

Advertisements and offers

Games



AR INFO SYSTEM IN A SHOPPING MALL

- Multi-floor navigation
- New possibilities for businesses to advertise
- Statistics and tracking of people flows
- Personnel can mark spots where maintenance is required
- Each user group has its own view

Link to the video on the right (if you are watching this in PDF)
<https://drive.google.com/open?id=1TKByffuOLHipfTszihmILfyQxXG4GqV>



SOLUTION FOR REAL ESTATE MANAGEMENT

Maintenance

Inspections

Cleaning



AR INTERACTIVITY

- Other users see the interactions in real-time



Link to the video on the right (if you are watching this in PDF)
<https://drive.google.com/open?id=1pTmR17oSxifBewgKOyRAMcpwrZn1JSVk>

SETTING UP THE SYSTEM

- Define building and floor
- Add floorplan
- Collect images
- Check/edit walkable area
- Set POIs
- Train

-> NAVIGATE



Link to the video on the right (if you are watching this in PDF)
<https://drive.google.com/open?id=1TKByffuOLHipfTszihmILfyQxXG4GqV>

ABOUT VIMAI

- Research in Aalto University since 2013
- Company founded in May 2017
- Own IPR
- Pilots with several customers

