

*Presented at the FIG Working Week 2017,
May 29 - June 2, 2017 in Helsinki, Finland*

NAVVIS

Digitizing the great indoors

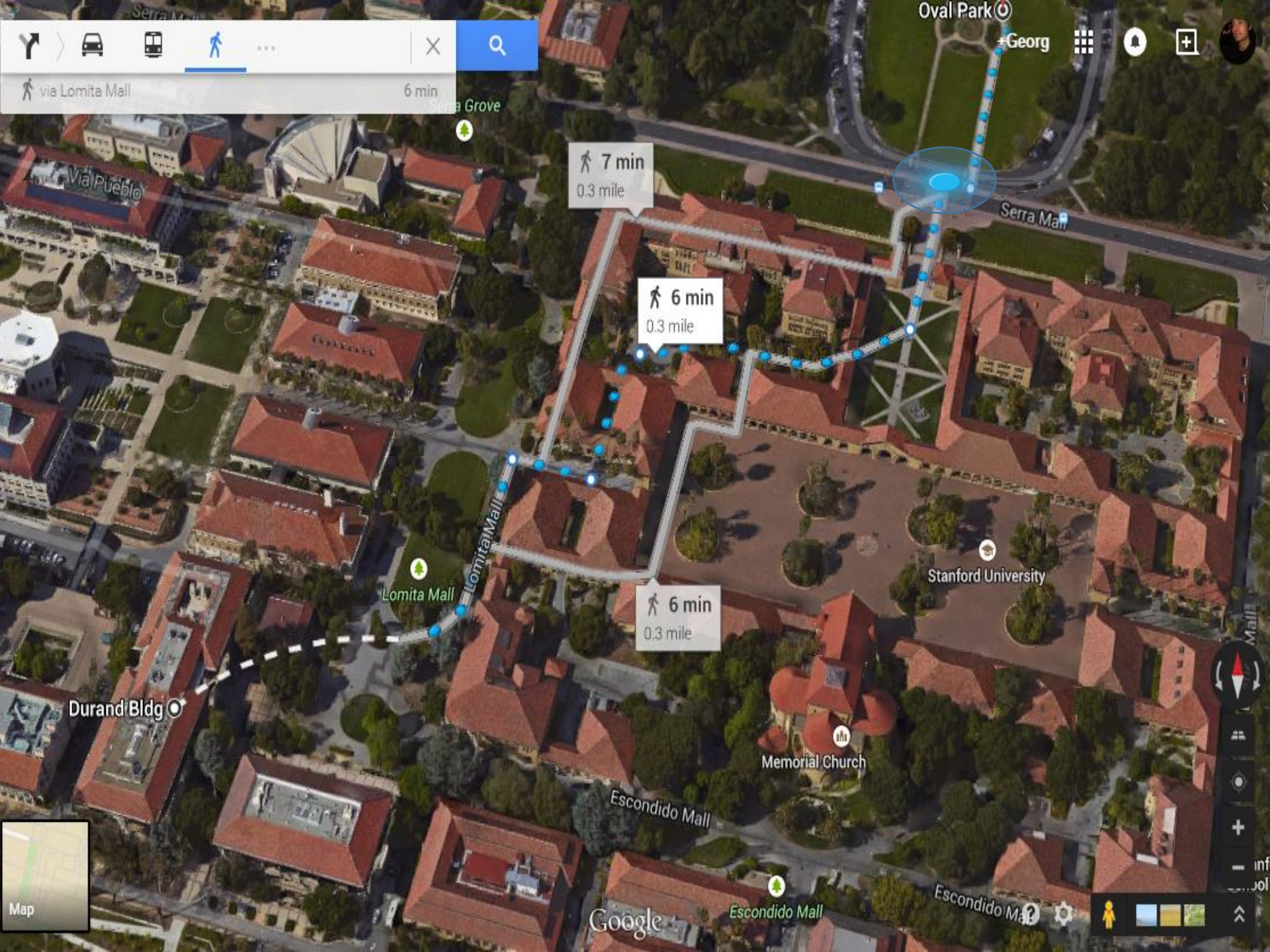
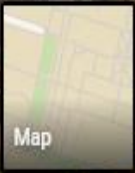
- Enabling digital value creation indoors

Navigation bar with icons for walking, driving, public transit, and a search icon. Below the icons, it shows the selected mode: **via Lomita Mall** and the estimated time: **6 min**.

7 min
0.3 mile

6 min
0.3 mile

6 min
0.3 mile



Map navigation controls including a compass, a zoom in (+) and zoom out (-) button, a street view pegman icon, and a home button.

FIRE ESCAPE PLAN

Ground Floor

SAFETY NOTICE

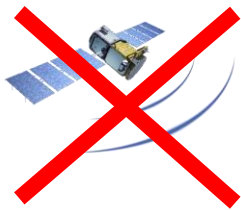
This drawing is based on the example found in BSI ISO 23601

It was created using Visual Building Basic and an addon Fire Escape symbol catalogue.



LEGEND

- You are here
- Escape route
- Emergency exit
- Emergency telephone
- First aid kit
- Fire extinguisher
- Fire alarm
- Fire door
- Fire escape

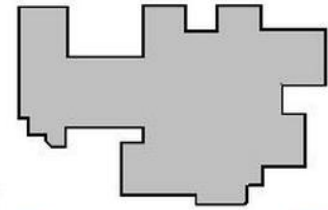


No GPS reception

BSI ISO 23601 Example

| | |
|---------------|---------------------------------|
| Drawn by: | Les Player with Visual Building |
| Date drawn: | 27th October 2012 |
| Date revised: | |
| Plan No: | 201210271 |

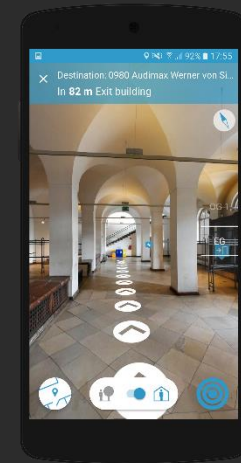
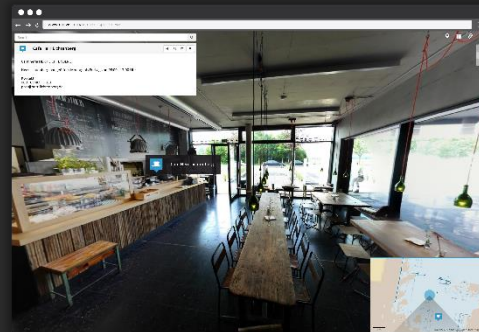
OVERVIEW PLAN



Carpark W

Carpark E

Next-level Indoor Digitization



Mapping Trolley –
Capture

IndoorViewer –
Visualize

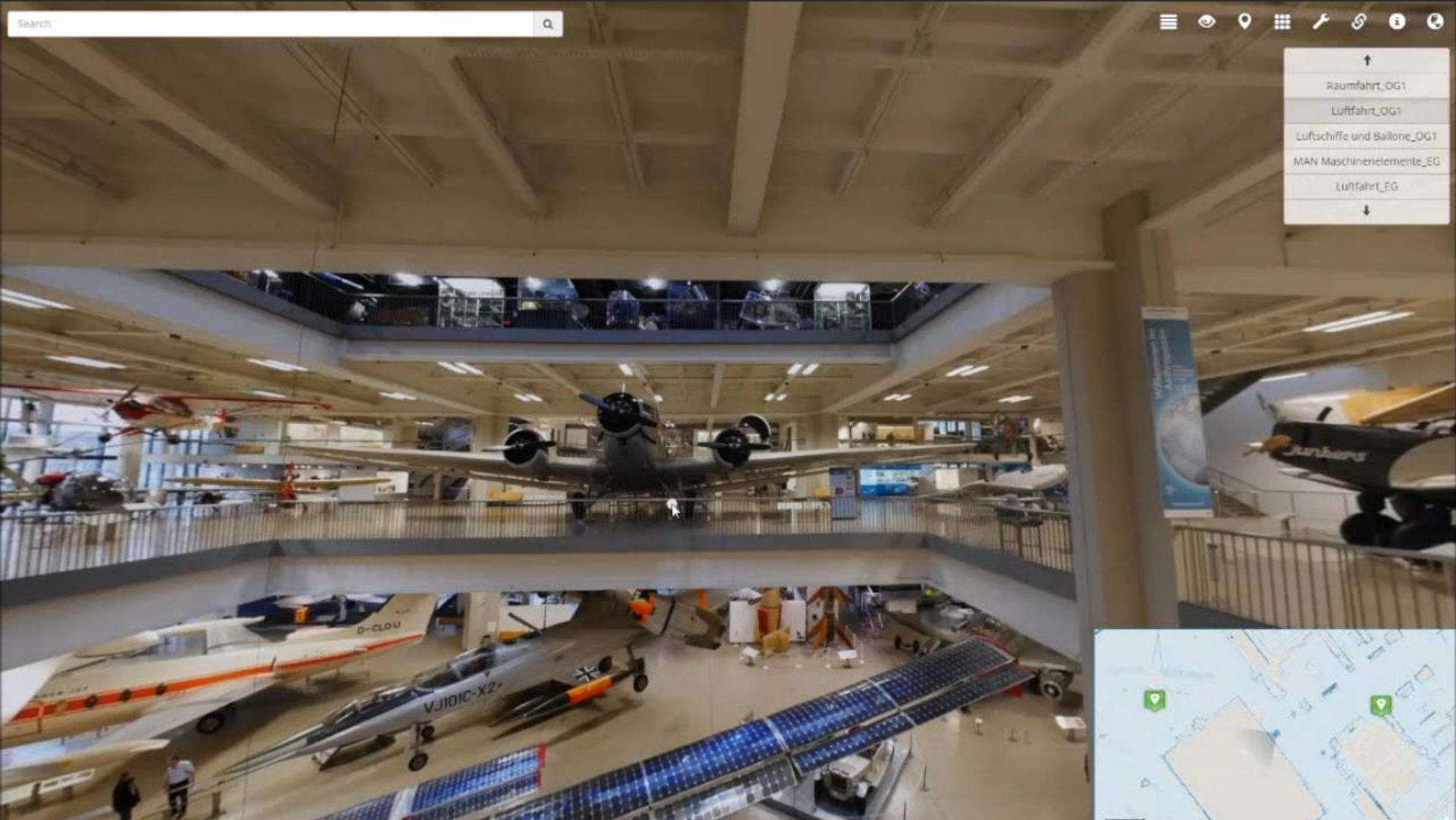
Navigation App –
Navigate

Mapping Trolley

NAVVIS

3D Mapping Trolley

IndoorViewer



Search

☰ 👁 📍 🗺 🔧 🔗 ⓘ 🔄

- ↑
- Raumfahrt_OG1
- Luftfahrt_OG1
- Luftschiffe und Ballone_OG1
- MAN Maschinenelemente_EG
- Luftfahrt_EG
- ↓



Full geometry



0.46 m - 0.70 m - 1.12 m

Speed
2X

Window Region Clip Outside Delete Clear

Navigation App





Retail



Facility Management



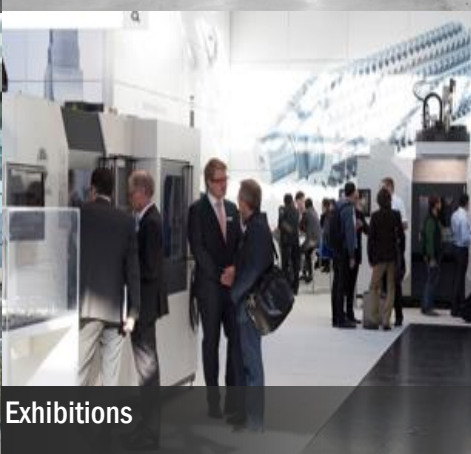
Office Management



Transportation Hub



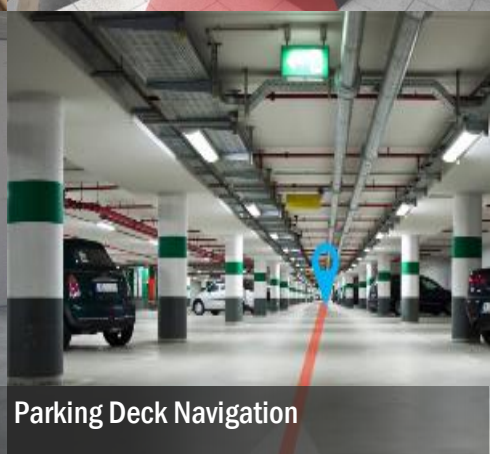
Real Estate



Exhibitions



Construction Management



Parking Deck Navigation



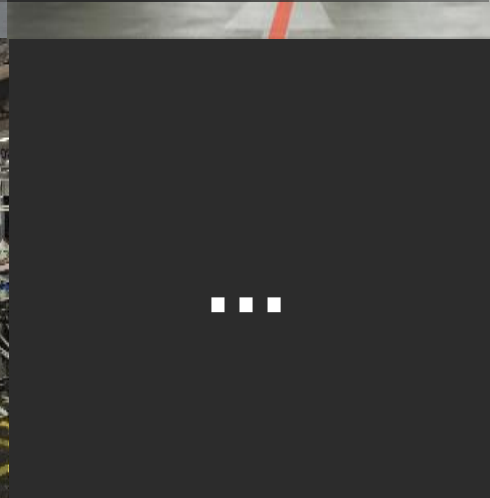
Logistics



Insurance



Production planning



...

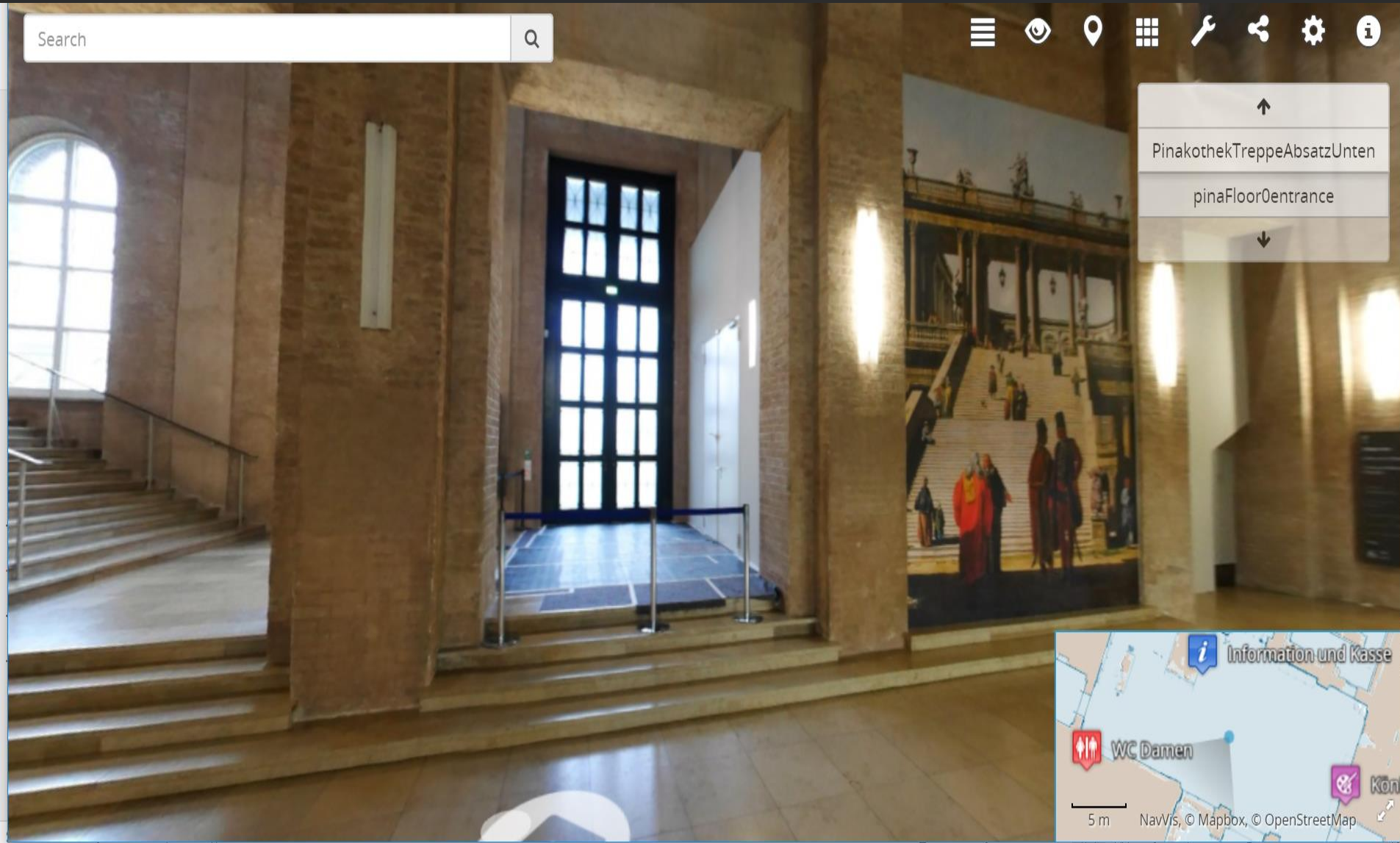
Example enterprise client: Full production line digitisation



Time vs. previous project: **6 months to 2 days**

Cost vs. previous project: **10%**

Alte Pinakothek – Live Demo

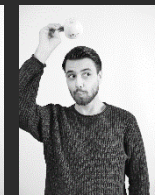
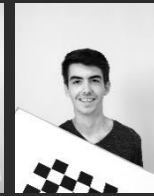
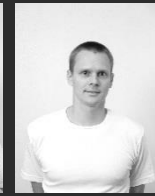
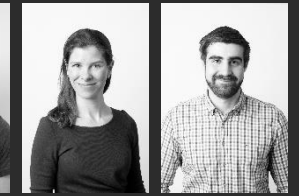
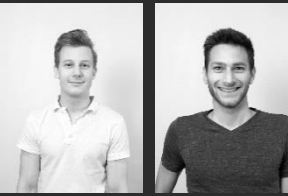
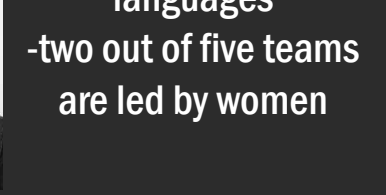
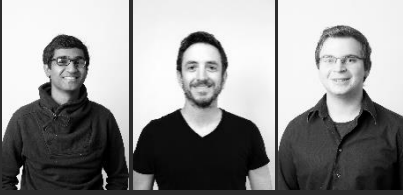




- 130 employees
- 20 nationalities -
30 different
languages
- two out of five teams
are led by women



Spin-off from TU
Munich



Partnerships with
industry leaders incl.
Siemens, Esri, SAP,
Telekom, MUC Airport,
Hemminger
Ingenieurbüro



VC backed
since Q3
2014



Partner in over 20
countries



NAVVIS

Digitizing the great indoors

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