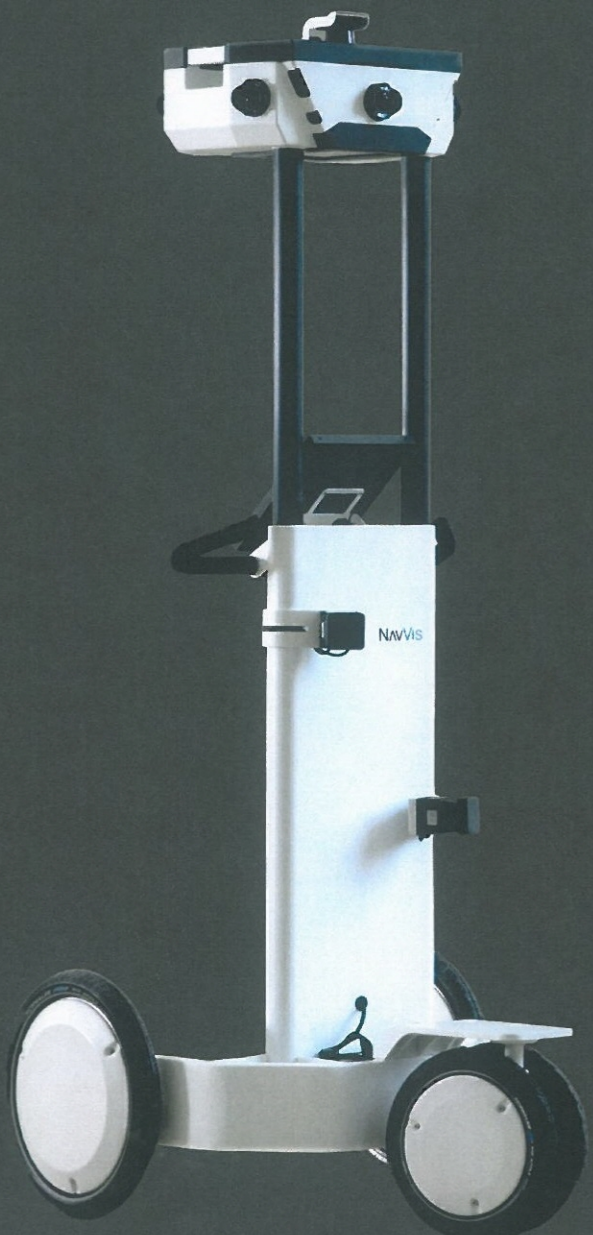
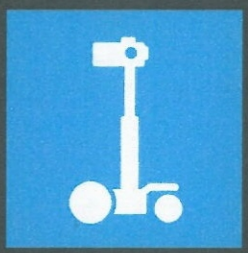
NavVis



The NavVis Technology



M3 Mapping Trolley

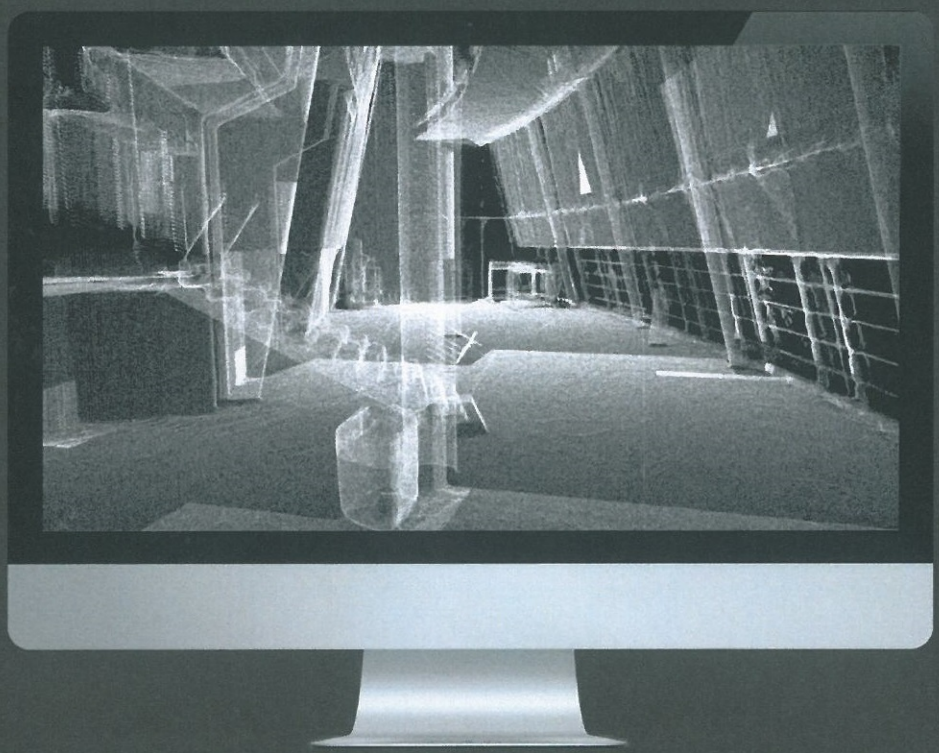
Easy, fast and affordable 3D mapping of entire buildings in photorealistic quality with the M3 Mapping Trolley.

IndoorViewer

Discover the virtual 3D environment right in your browser and enrich with digital content using the IndoorViewer.

Navigation App

Use our vision-based localization engine for turn-by-turn navigation and location-based services.



Unlock Digital Value Creation for Interior Space

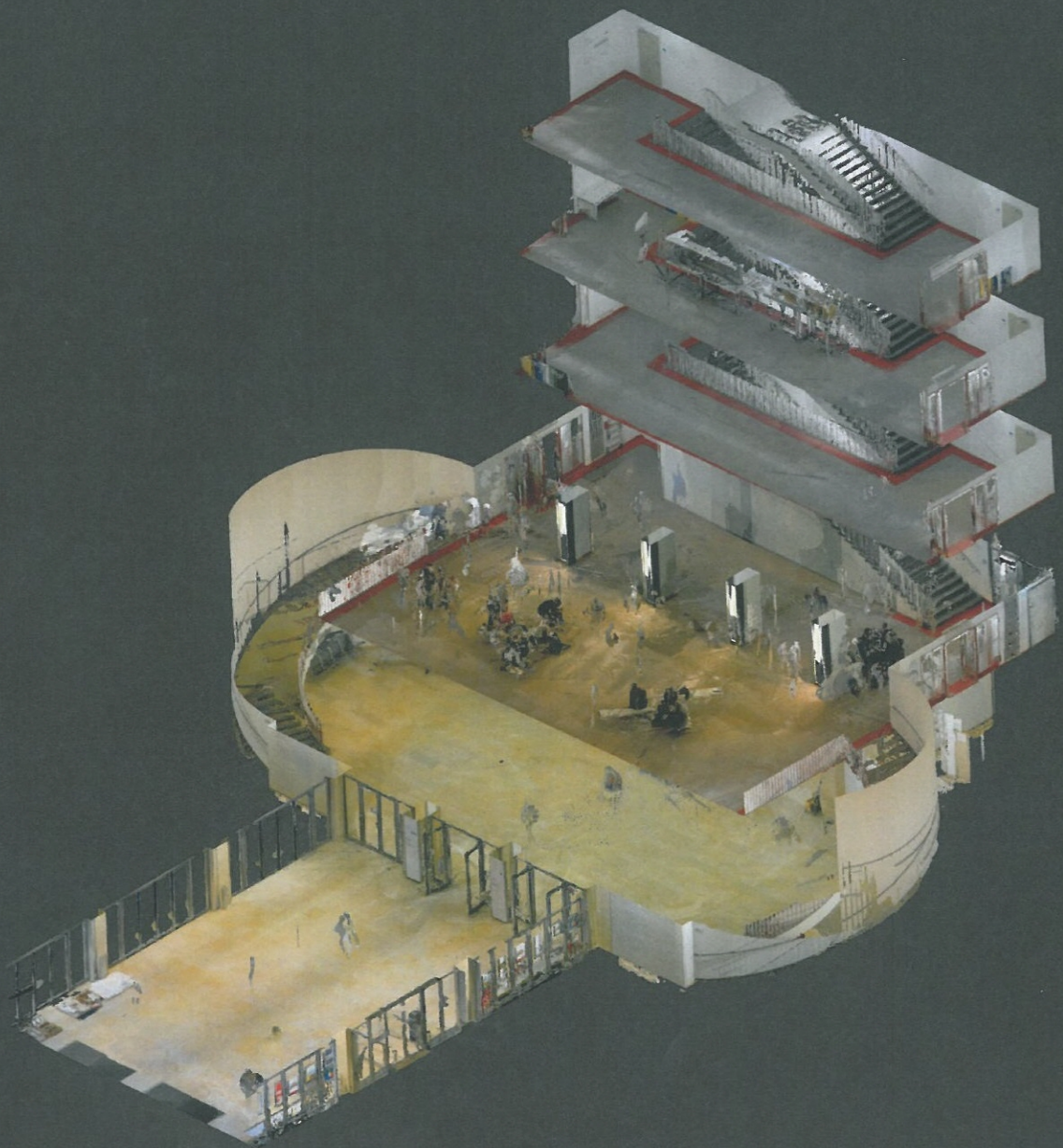
With the M3 Trolley mapping becomes easy and extremely fast. The mobile 3D mapping technology cuts indoor scanning costs by factor 100.

The virtual building is processed through our software and up & running in a matter of hours.

No additional software is required. Exploration and further interaction is browser-based. The IndoorViewer makes the 3D data available for everyone on every device.

NavVis's technology is based on HTML5 with open APIs. It can easily be leveraged and adopted by other applications.

NavVis's patented computer vision-based mobile app allows for meter-accurate turn-by-turn navigation in buildings without the need for new hardware such as WiFi routers or Bluetooth beacons.



Multifunctional Data Output

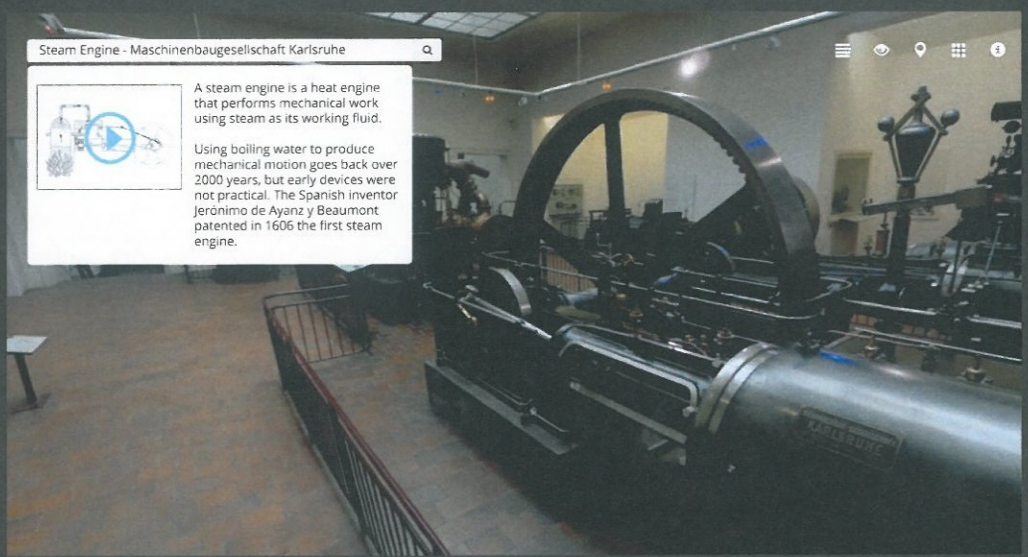
Panoramic Images
360° high-resolution panoramas with up to 96 megapixels provide an immersive virtual 3D experience.

Point Clouds
Indoor environments of entire buildings are represented three dimensionally with a resolution of up to 5 mm and create the basis for further applications. 3D point cloud formats include LAS, PLY and other CAD standards.

Floor Plans
Accurate 2D floor plans can include additional information like WiFi, Bluetooth and magnetic field data.

Explore our Showcases Online:
http://www.navvis.com/products/demodata/

Main Library - Technical University
Opening hours today: 8am - 10pm
0 free places in Reading Room I
24 free places in Reading Room II
Browse OPAC here


Steam Engine - Maschinenbaugesellschaft Karlsruhe
A steam engine is a heat engine that performs mechanical work using steam as its working fluid.
Using boiling water to produce mechanical motion goes back over 2000 years, but early devices were not practical. The Spanish inventor Jerónimo de Ayanz y Beaumont patented in 1606 the first steam engine.

Browser-Based IndoorViewer

The 3D models created by the M3 Trolley can be easily accessed through our browser-based IndoorViewer. Based on HTML5 and WebGL technology, the IndoorViewer runs on all modern web browsers without any plugins (mobile and desktop).

Create POIs with just a click and attach multimedia content like images, videos, audio and many more. Integrate interactive features to add a new dimension for online shopping, facility management or public services. 3D routing between arbitrary locations allows for simple guidance in buildings.

Full data ownership – you decide what happens to your data. Either store the data in your own data center or host it in the cloud.

Buy now
%
%

1250 mm

A Whole Universe of Use Cases

Facility Management
Carry out digital inventory right from your desk to avoid downtime. Manage maintenance tasks on site to optimize your workflow.

Retail
Expand the virtual shopping experience and target customers more precisely to increase sales and foster customer loyalty.

Construction Site Management
Capture the status quo, track the progress of your site at different stages and enable collaboration between stakeholders. Efficient construction site management at its best.

CAD/BIM model generation
Use the data captured by the trolley as a basis for generating high precision CAD models of buildings and add additional information to create a versatile BIM model.

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