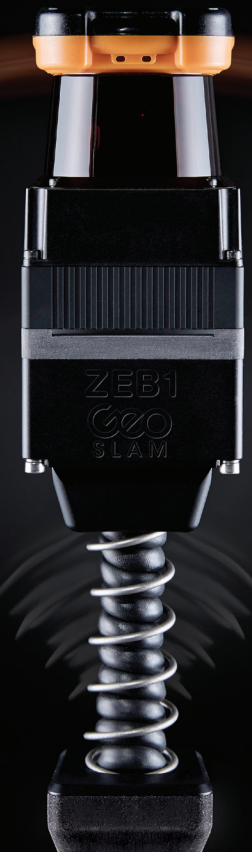
GeoSLAM

Survey in motion

GeoSLAM develops game-changing survey solutions for the measurement and mapping of multi-level three-dimensional environments.



Fast

Accurate

Proven

Efficient

geoslam.com

How it works

Walk and Scan

Grab the ZEB1, our lightweight hand-held laser-scanner and walk through your target survey environment to record more than 40,000 measurement points/second.

Process Online

Upload your raw scan data to the GeoSLAM Cloud where Simultaneous Localisation and Mapping (SLAM) software will transform your survey measurements into a fully registered point cloud.

Download 3D

Replace large upfront software costs and annual maintenance charges with our pay-as-you-go data processing and 3D download service.

Advantages

- lightweight
- easy to operate
- rapid data capture
- +/- 0.1% accuracy
- online processing
- automatic registration
- pay-as-you-go
- 5-Year warranty available

Applications

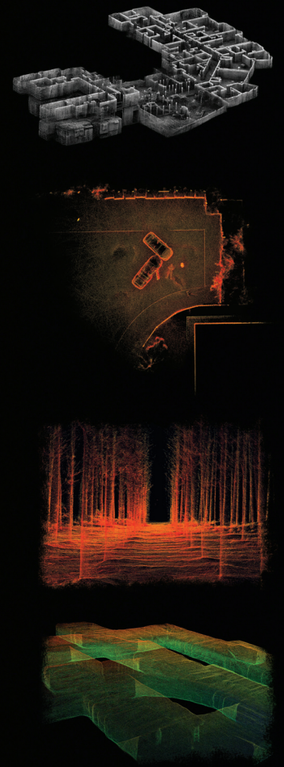
ZEB1 is used to complete measured surveys of building interiors, to document road traffic accidents and crime scenes, to map underground mine and cave networks, to measure property for real estate valuations, and to facilitate contingency planning.

Unlike trolley based SLAM systems, the hand-held ZEB1 is easy-to-use in multi-level environments such as stairways and mines; making it ideal for surveying challenging indoor and underground spaces.

Building Survey Example

Scan time = **15 minutes** | Floor area = **370m²**
Scan size = **25 million points** | Processing cost = **$15**

Buildings | Forestry | Manufacturing | Mining | Retail



Specifications

Data Acquisition Speed	43,200 measurement points/second
3D Measurement Accuracy	+/- 0.1% (typically)
Maximum Range	Up to 30m (15m outdoors)
Laser Safety Class	Class 1 Eye Safe
Angular Field of View	270 x ~100 degrees
Weight of Scanner Head	665g
Dimensions of Scanner Head	60 x 60 x 360mm

WHAT OUR CUSTOMERS SAY

"GeoSLAM's solutions are changing the way we survey buildings. We can now measure building plans 10 times faster than we used to with total station or traditional survey equipment."

Morten Thoft, COWI, Denmark

"We are streamlining our business on the back of this game-changing technology from GeoSLAM which is revolutionising our process for surveying underground mines."

William Hedges, ICL Fertilisers, UK

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