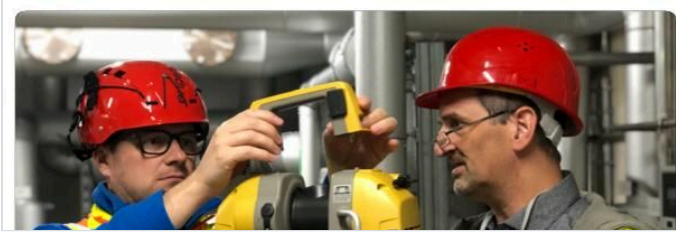


Design based on what is actually there. We capture plants, buildings and technical infrastructure contact-free and precisely – and deliver a point cloud, 2D drawings or a 3D/BIM model that feeds directly into your design with AutoCAD Plant 3D, Revit or Navisworks.



On-site survey – scan of a mechanical room with piping, pumps and valves



From scan to model – registration and modeling

up to 130 m

range – from a few centimeters

since 2013

laser scanning with our own device (FARO)

2D • 3D • BIM

point cloud, drawings, models

Germany and abroad

on-site work

FROM SCAN TO MODEL

1 Survey

on-site scan, reference points and scan planning

2 Registration

align and clean the point cloud, in common formats

3 Modeling

piping and steel structures from the point cloud, e.g. with EdgeWise

4 Handover

Plant 3D, Revit, Navisworks – or 2D floor plans and sections

SERVICES

- **Laser scan survey:** plants, buildings, technical infrastructure
- **CAD modeling:** piping and steel structures from the point cloud
- **2D derivation:** floor plans, longitudinal and cross sections as a basis for modifications
- **Point cloud:** registered, cleaned, in common formats
- **BIM & digital twin:** models for Revit, Plant 3D and Navisworks
- **Training & support:** ReCap, EdgeWise, Navisworks

AREAS OF APPLICATION

Chemicals · Power plants · Process engineering · Food · Pharma · Energy plants · Water & waste water · Buildings & historic buildings (commissioned via architecture and engineering firms)

Effort and quote

The effort depends on area, congestion and level of detail – and determines budget, schedule and often the window of a plant shutdown. Tell us the object, scope and desired result; you will receive a quote after we review the documents, or after a site visit if you prefer.

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