



Construction site NBS Wendlingen-Ulm (Germany)

Static and kinematic laser scanning

Point clouds as evidence and as-built documentation

Product description

Laser scanning enables objects to be recorded quickly and precisely. The result is a three-dimensional point cloud. Laser scanning can be carried out statically using a scanner on a tripod or, if tracks are present, using a measuring trolley in kinematic form. The holistic recording method allows the conditions to be recorded at one point in time and enables optimum preservation of evidence, which creates a valuable basis for any subsequent work.

Our services

- Recording the construction site with a static scanner
- If tracks are present and accessible, recording of the construction site with kinematic laser scanning
- Processing and preparation of the point cloud with accuracies in the millimetre range
- Partially automated object detection as well as further analyses and mapping from the collected data sets
- If required: Derivation of an as-is or as-built model

Your advantages

- Overall view of the construction site
- Evidence documentation at a specific point in time
- Optimal basis for BIM model creation
- Axis-related measurements of various objects
- Automated detection of rails, overhead contact lines and contact edges

Contact us

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The output from a laser scan of a rail line.



The output from a laser scan of a rail tunnel.