

# The simple way to a 3D model



## That's laser scanning

3D laser scanning enables quick and detailed visualisation of the exact measurements of complex as-built objects. With the help of a laser scanner, an existing plant or structure can be fully recorded and digitised.

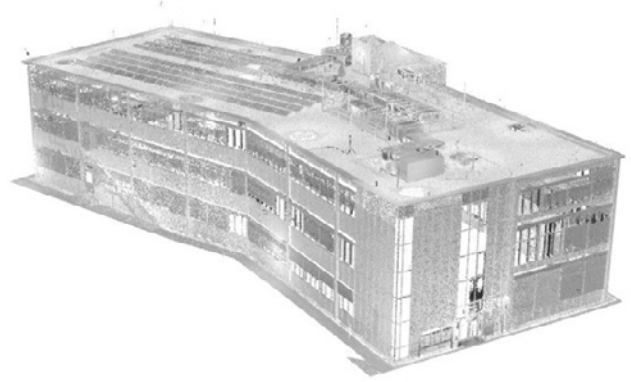
### Our services:

- Visualisation of an existing structure for lightning protection planning using laser scanning (point cloud)
- Modelling of a surface-based 3D model from the point cloud (outer shell)

**NEW**

## How it works

On site, a specialist takes individual scans of all parts of the building. The individual scans and images, which together make up the point cloud, are subsequently merged by the software. The result is a detailed 3D point cloud.

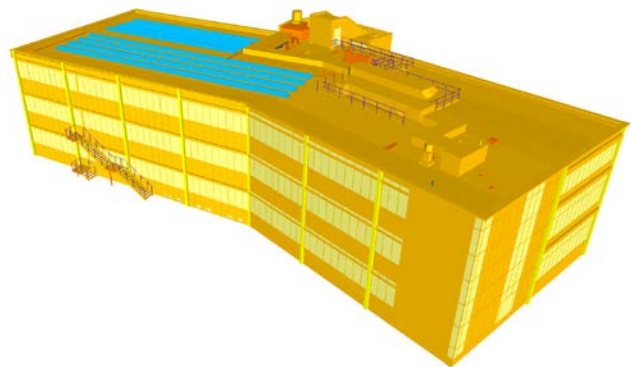


## Benefits of 3D laser scanning

- Excellent planning quality thanks to detailed recording
- Time saving during planning preparation
- Digitisation possible without as-built plans (mm)
- Subsequent 3D modelling possible

## Benefits of 3D modelling

- **Compatibility with DEHNplan**
- Lower data volume
- The 3D model can be exported in all file formats (ifc, 3D-dwg, STEP, obj, ...)
- Extension, amendment and modification possible at will, e.g. for planning, measurement, etc.
- Structural changes can be adapted and supplemented as desired



Learn more in our  
explanatory video:  
[de.hn/34B2b](https://de.hn/34B2b)

Can also be used for smaller objects:



## Interested in our services?

Submit your project and receive a non-binding offer:  
[dehnconcept@dehn.de](mailto:dehnconcept@dehn.de)