Smap3D ScanToCAD - Efficient transfer from 3D scan into 3D-CAD

Work flow in practice: The physical object is transferred directly into the 3D drawing in the PC via the point clouds

1. The designer scans the actual object or authorizes a local surveyor's office.	**Advantages** to contracting a surveyor's office: travel expenses as well as in-house staff costs and the purchase of a 3D laser scanner are eliminated.
2. The designer obtains various scans that are now referenced in relation to each other with the help of Smap3D ScanToCAD. This means the designer can combine the individual scans and incorporate them into an overall project.	**Advantage:** Smap3D ScanToCAD can read-in and manage common scan formats.
3. The designer selects which areas and geometries are currently required. These are exported to the CAD system.	**Advantage:** Instead of point clouds with high data volume, selected areas and geometries are transferred into the 3D-CAD. This eliminates a hugely time-consuming process - the volume of data is significantly reduced!

Overview of Smap3D ScanToCAD functions

- Evaluation of 3D point clouds through effective reconstruction tools
- Export of standard geometries from the point cloud into the 3D-CAD target system
- Support of all major scanner formats and types such as ASCII, Faro, Leica, Optech, Riegl, Topcon, Trimble, Zoller and Fröhlich or E57
- Computation of photographic representations from the laser scanner's reflectance values or from the color photographs
- Fast and effective reconstruction of technical equipment, designed for straight pipes, bends, valves or branches
- Free viewer

Further information about our Smap3D products and the CAD Partner company you will find here: **www.Smap3D.com**