

User Examples

Site measurement for design and production of canopy with curved wall connection



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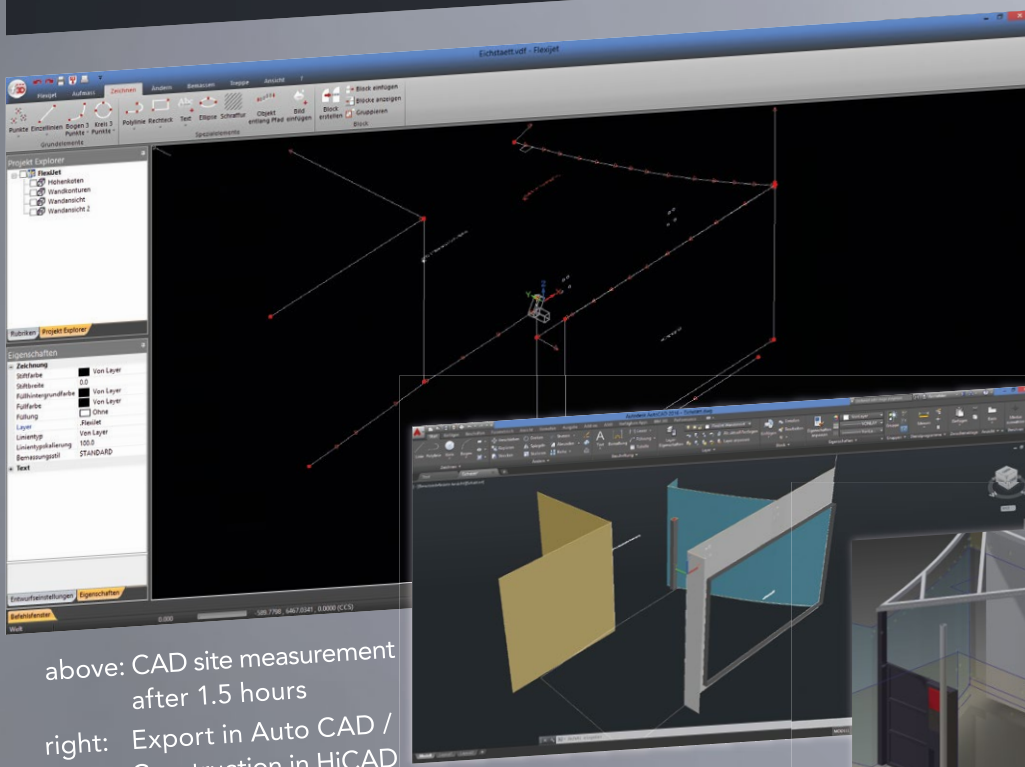
An architectural metal company had the **task** to design a canopy covering the entrance of a house. The client envisioned a triangular canopy connecting to the blue wall and the house.

The realization almost failed during the conventional site measure. At the first attempt the trades men tried to determine the curve with tape measure and hand laser, but failed.

At the second attempt, several trades men were busy for several hours fabricating templates at the height of 3 meter. Even with this method, no usable site data could be collected. Due to sudden rain, the cardboard templates got soaked in water and became useless.



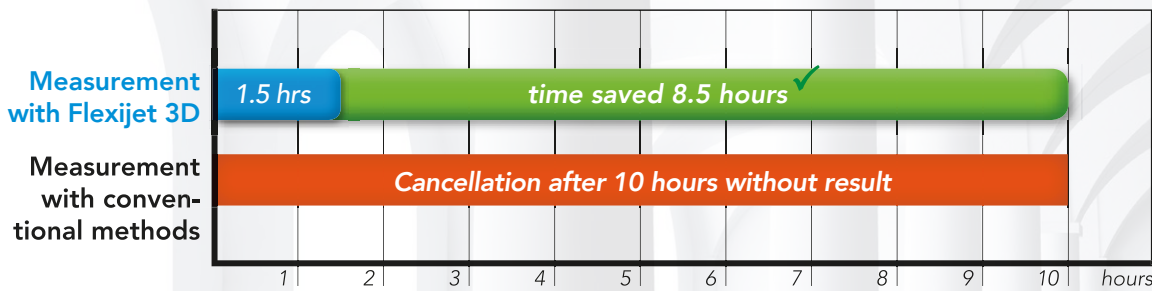
The easy **solution** for this measurement was the use of the Flexijet 3D system, which measured and drew the object at the same time. Measurement service provider Konrad Schwegler collected all relevant dimensions within 1.5 hours on site. A complete CAD drawing with exact angles and curves was available immediately. And the 3D dxf file was given to the CAD department further planning.



above: CAD site measurement after 1.5 hours
right: Export in Auto CAD / Construction in HiCAD

Measure and draw your construction site in CAD at the same time and use the point projection feature to show CAD points relevant for installation. This way you save time and money!

This is the value the Flexijet 3D laser measurement system added to the user example presented above.



	Time saved	Hourly rate			
Savings with Flexijet 3D:	8.5 hrs	x 50 €	=	425 €	85.0 %
Increase of efficiency:					> 566.7 %

Asides from the time and cost savings during the site measurement and install, with Flexijet 3D you have the certainty to plan, construct and produce with the most accurate measurements possible, which sets the project up for success.

→ Flexijet 3D gives you certainty and professionalism from site measurement to installation.

Flexijet 3D offers a lot of advantages:



Installation improvement by point projection of CAD files using the the Flexijet laser



Collect site measurements with only one person



Instant graphic control on site



No missing dimensions or transmission errors



Creation of digital templates makes hard templates unnecessary



Measure without restrictions: 360° vertical and horizontal



Electronic Auto Leveling feature makes device easy to use, without manually leveling the tripod



Instant surface and space calculations



Interfaces to all common CAD programs and connection to CNC manufacturing