

User Story

Trestec BV



Scanning with FARO Focus Laser Scanner to receive full and highly accurate point clouds and 3D models

Trestec BV expands solution portfolio for industrial maintenance with FARO Laserscanner

AS BUILT DOCUMENTATION/FACILITY MANAGEMENT With the help of the FARO® Focus Laser Scanner, Trestec BV is now offering full and highly accurate point clouds and 3D models to clients that wish industrial maintenance of their facilities and the creation of new machinery in these industrial installations.

TRESTEC IMPROVES SERVICES TO MANUFACTURING COMPANIES

Trestec BV, a young and rapidly growing industrial service provider in the Netherlands, has recently improved its portfolio for its customers by adding the FARO Focus Laser Scanner to its service portfolio. Trestec BV uses a network of independent contractors and small companies to provide a wide range of services to clients in the manufacturing industries.

Gijs Klaassen, co-owner at Trestec BV, explains: "We noticed that many small independent companies were unable to obtain larger maintenance contracts, as their size and specialization meant that they could only provide one single element of the entire contract, for example to make the 3D model of a new piece of machinery, but not create the full machinery itself.

For the industrial clients, this meant having to contract and negotiate with a lot of different companies. Trestec offers a unique solution to this problem by serving as an intermediary between clients and suppliers. Trestec connects all these different parties for a client: for instance, we can bring together a technician to perform the 3D scan, a mechanical engineer to convert the point cloud into a full 3D model, and a machinery firm to create the piece of machinery itself.



Rapid on-site scanning service with FARO Focus Laser Scanner to create 3D models

“This way, they offer a single entry point for the complete range of services necessary for a project, to minimize workload and stress for the client,” Klaassen explains. “The client invoices us, and we take care of the entire process, from finding contractors and negotiating terms, to planning the work and handling payments to the participating parties.”

SEARCH FOR OPTIMAL ACCURACY

To expand the range of services offered to their clients, Trestec was in need of a contractor capable of providing 3D laserscanner services with a very accurate point cloud. Trestec found this in their current partner MO Engineering, who works with the FARO Focus laserscanner and FARO SCENE Software to render the point cloud. Trestec’s previous positive experiences with FARO products formed the basis for their choice.

HIGH ACCURACY LEVELS FOR INDUSTRIAL ENVIRONMENTS

The use of FARO products enables Trestec to add full 3D scanning to its service portfolio. If a company desires a full 3D model of its installation, for instance in order to move it or to redesign the entire factory, Trestec can now rely on its partner MO Engineering to go onsite and perform a full scan of the installation or factory hall needed for the design phase.

“Due to the increased mobility and accuracy the FARO Focus Laser Scanner offers us, we are able to provide our clients with a rapid, simple and accurate onsite service, and can easily export point clouds to create 3D models.”

GIJS KLAASSEN, OWNER AT TRESTEC BV

The point cloud is then delivered to a graphic artist who transforms it into a full scale 3D model of the installation, which in turn forms the basis for the creation of a new machine by architects and contractors. If needed, Trestec can even provide a manufacturing company capable of creating the piece of machinery according to the specific plans provided by the architect or contractor.

Trestec specifically chose to work with FARO products due to previous experiences:

“I had known the people at FARO for a long time already when they came to do a product test with us. As our company functions as an intermediary, we had no specific need to acquire a laserscanner ourselves. However, when we observed a demand for 3D models among our clients and we had to start making point clouds, FARO was the first company that we thought of to provide the laserscanners. The reason for this was the enormous accuracy of their scanners, which is essential in an industrial setting, where the level of precision comes down to a couple of millimetres. In our research for a contractor that could do laserscanning with point clouds, we therefore specifically looked for one that was using the FARO Laser Scanner, as it was the right tool for the job for us.”

ABOUT TRESTEC BV

Trestec BV is a service provider for industrial maintenance and machine building who brings independent contractors together for a project. These contractors all provide different services such as 3D laserscanning, graphic design, 3D modelling, machine building, and all other services that industrial companies may require.

WWW.TRESTEC.NL

– THREE GOOD REASONS –

- 1 User friendly**
“The FARO Focus is extremely user friendly as it requires minimal training, thus increasing our productivity.”
- 2 Accuracy**
“As we work in a sector where high level of detail is vital, it is great that we are able to work with this type of equipment to offer the best possible solution.”
- 3 Rapid feedback**
“The combination of the FARO Focus Laser Scanner and the software SCENE provides us with a fast feedback thanks to which we can quickly create the 3D model and go ahead with further tasks immediately.”



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