



“Time is money - no more pointless journeys.”

This motto drives the company Drechsel Textilveredlung (TVD), which has invested in innovative technology to make it possible to locate product carriers in real time. Together with NXTGN and ICTRAC RTLS, we have developed a solution that brings transparency and efficiency to production processes.

TVD uses our inteos® software as an end-to-end MES and ERP solution. It is integrated into all production processes and now enables real-time tracking of the location of goods carriers. This means: no more unnecessary journeys, no more lost time searching for goods carriers and storage positions.

FACTBOX

- › Real-time tracking of goods carriers
- › High-precision indoor localisation
- › Display of the goods carrier in digitised site plans
- › Display of customised information
- › Improved efficiency in production

HOW DOES IT WORK?

The ICTRAC software, which was integrated into the existing inteos® application via an interface programmed by Halo for the TVD, enables high-precision indoor localisation. Goods carriers are



fitted with ICTRAC tags that make their movements and current position transparent.

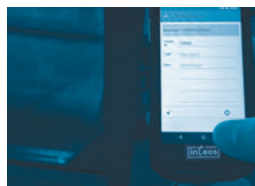
The entire production was integrated via a proprietary ICTRAC network solution. It utilises its own frequencies, offers high reliability and protects against external threats and access attempts. The position of the goods carriers is determined by triangulation between the installed base units.

The position of the goods carrier being searched for is displayed on the inteos® handheld in a digitalised site plan, which is integrated into the inteos® solution in use at Textilveredlung Drechsel. This makes the tedious search for goods a thing of the past.

The ICTRAC software also enables data to be exchanged between two databases. Requests and queries are executed via a protocol in JSON

Smart Factory ensures **sustainability** - many are talking about it, Textilveredlung Drechsel is doing it. Together with TVD as the client, ICTRAC RTLS as the control system supplier and Halo as the software supplier, we realised the project in record time and without any major difficulties.

Marcus Ott, Project Manager inteos®



format. This protocol contains defined commands for the request and response process. All queries are performed „on-demand“, including requests for position data, position graphics, TAG status, battery status, TAG ID and much more.

The ICTRAC tags can be described with information such as lot number, article, customer, QR codes or individualised symbols.

The collaboration with ICTRAC RTLS makes it possible to offer inteos® „out of the box“ with ICTRAC compatibility in future. This project has optimised the daily processes at Drechsel Textilveredlung and shows how technology can increase efficiency in production.



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Halo realised Drechsel's wishes in an uncomplicated manner and we have added real-time traceability of the goods carriers to our integrated inteos® ERP system, saving us resources and men power. According to our calculations, the investment will more than pay for itself in 3 years.

The collaboration was very pleasant and productive for both sides throughout the entire duration of the project.

Bernd Drechsel, TVD Managing Director

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maßgeschneiderte Lösungen
customised solutions
soluzioni personalizzate

Case Study



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