

A top-down view of an Autonomous Logistics Trial Kit. Several cardboard boxes, some labeled 'FRAGILE', are placed on a blue floor with a red grid pattern. Each box sits on a small, dark, rectangular autonomous mobile robot (AMR) platform. The scene is illuminated with a blue and red light scheme, suggesting a digital or futuristic environment.

Autonomous Logistics Trial Kit

An out of the box 5G enabled set-up, that temporarily enables organizations to explore various logistics use cases to enhance operational productivity.

Accelerate the digitalization of intralogistics with T-System's 5G autonomous logistics solution. This solution enables seamless integration into the open service ecosystem and can support hybrid transport modes. Together with Ericsson, T-Systems scale up your edge infrastructural capabilities.

About the Autonomous Logistics Trial Kit

T-Systems' Autonomous Logistics Trial Kit is a complete package that provides a temporary trial setup for autonomous logistics. This business-ready solution is enabled by Ericsson 5G network and includes edge computing, hardware setup and software to run 5G innovation projects on your campus and production facilities.

It contains all the components needed to start an innovative project using 5G, an autonomous mobile robot, 5G campus network, an edge server, a framework and software for autonomous logistics. With edge computing, existing SCADA (Supervisory Control and Data Acquisition) and MES/MOM (Manufacturing Execution Systems/ Manufacturing Operations Management) systems can be modernized.

In comparison to Automated Guided Vehicles (AGVs) with current guidance systems, where obstacles stop AGVs, Autonomous Logistics software continuously processes and compares its sensor network data with the operating area map to determine its travel directions. The processed data is further utilized to create

- floor maps with configuration of points of interest (like loading /unloading stations and charging stations)
- use cases to plan & manage multiple fleets of AVGs at once across manufacturing, warehousing, logistics industry segments.

Logistics Trial Kit Integration and deployment




The Trial Kit can be easily deployed without altering existing IT infrastructure due to its non-interference with the existing infrastructure on the respective enterprise's shopfloor environment. Thus, the out-of-the-box solution can be implemented within a day. It is accompanied by an introduction and training, so that personnel can start with 5G exploration the following day. Throughout the trial runtime, remote expert support is ensured.

In addition, the integration of the Autonomous Logistic solution is easier than using proprietary systems as the solution is built on open sources technology. Thus, it can be operated easily with other solutions and hardware from different providers.

Logistics Trial Kit benefits:

- Autonomous transportation on your campus by enhancing digitalization with features such as obstacle detection and avoidance, path replanning, map management, POI (points of interest - potential transport destinations) management
- Flexible and optimized linking of production processes as well as production facilities
- Seamless usage of Autonomous Mobile Robots (AMRs) for indoor and outdoor material transport
- Efficiency improvement, reduce long-term operation cost
- Improved performance and reliability as well as reduced operational risks
- Quick and simple implementation, within a day
- Easily adaptable & integrable to the existing IT infrastructure

Autonomous Logistics Trial Kit

<p>When to use?</p> 	<p>When there is a need for optimizing, integrating, automating, and managing all the logistical physical flows of supply, production, and distribution in real-time</p>
<p>What is included?</p> 	<ul style="list-style-type: none"> ▪ 1 light unit load Autonomous Logistics Trial Kit equipped with 4G/5G modem ▪ 1 charging station ▪ 1 or 2 passive roller conveyors ▪ Local edge server with pre-installed Autonomous Logistics Trial Kit control software ▪ Local 4G/5G network server ▪ 4G/5G Tablet for Autonomous Logistics Trial Kit operation ▪ Deployment period: 4 weeks ▪ Remote expert support throughout the trial runtime of 4 weeks
<p>How much does it cost?</p> 	<p>€ 39,500</p>

Information & Conditions

- 4G/5G modem will be provided depending on the availability of the licensed spectrum. The passive roller conveyors are to be considered as per assessment results
- This offer is only valid for business customers of T-Systems International GmbH. All prices are net prices quoted exclusive of VAT at the applicable rate
- This document is for information purposes only and does not constitute a binding offer. If you are interested, we will be happy to send you the relevant contract documents. These also list the exact contents of the service and the specific conditions

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