inconsoYMS

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Software Partner

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Functionalities that make the difference

In addition to high performance, the Advantech UTC-318 terminals provide a number of convenient features to Hermes that were also key to the selection decision: terminal zero-touch deployment and Wake-on-LAN.

Thanks to the zero-touch deployment, the devices to be put in operation at Hermes Germany initialize themselves through "plug and play" via LAN and are ready for immediate use. "In this way there is no effort at implementing", explains Siegfried Schrottenbaum, project manager at Advantech. For everything to be unpacked by itself, all components must be coordinated so that they communicate with each other smoothly.

Another benefit of full integration between inconsoYMS and the Advantech hardware is the ability to remotely manage the devices. The devices can be monitored, managed, powered up, and shut down via the central platform. The latter functionality ensures a resource-saving operation of the entire solution – unnecessary terminals can be switched off and reactivated if necessary.

Joining forces for success

In close collaboration, the project teams from Advantech, inconso and Hermes Germany have created a yard solution with which the high loads that are commonplace at Hermes Germany can be transparently surveyed. "In addition, the integrated solution plays a key role throughout the entire Hermes supply chain", says Nadine Osbahr and Dr. Jörg Heuer, project managers from, Hermes Germany.

Wilfried Pfuhl, member of the board of inconso, emphasizes: „The remarkable know-how for the special processes of the logistics service industry made it possible, that the whole process, from the preparation of the specifications to the almost parallel implementation at the first two locations, did not even take eight months - An excellent performance."

Project highlights

- Acquisition and clear provision of all information relevant to the distribution
- Reduction of effort, costs and errors
- Increase of availability
- Easy operation
- Future-proof, expandable system

ADVANTECH

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Reference

The Initial Situation

For its new, state-of-the-art logistics center, Hermes was looking for a versatile, future-proof yard management solution.

The Solution

1500 robust UTC-318 terminals with special Linux OS from Advantech in conjunction with the inconsoYMS yard management system from inconso.

The Benefits

- Industrial hardware
- Secured long-term vailability
- Integrated solution from a single source

Hermes visualizes all loading and unloading information with Advantech terminals

Hermes Germany, leading logistics service provider of Germany, is a partner of many online shops and multi-channel retailers in Germany and abroad.
The focus is on national and international parcel delivery as well as on the handling of upstream commodity flows worldwide.In order to meet the growing shipment volumes and the demands for even shorter shipping times as well as high delivery quality and being able to react as flexibly as possible to changing requirements, Hermes Germany is expanding its nationwide logistics network and its capacities with new logistics centers, for example in Berlin (Ketzin), Hamburg or Mainz.

The new distribution centers feature state-of-the-art conveyor and sorting technologies. For efficient yard management, Hermes relies on an integrated solution that uses the adaptive UTC-318 terminal from Advantech in combination with the inconsoYMS from inconso.

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UTC-318

Warehouse management and goods flows optimized on the hardware and software side

The requirements set out in modern distribution centers on the control of goods to be distributed and the management of the warehouse are high. Only a consistently integrated solution can portray stocks and movements completely transparently – a prerequisite for efficient logistical processes that today must work under maximum time and cost pressure.

To meet these requirements, Hermes was looking for a versatile solution that combines software and hardware, works reliably, and has sufficient reserves for future growth. This was found in Advantech´s rugged UTC-318 terminal equipped with the inconso yard management software.

In the joint project, a fully integrated solution was developed, which shows the origin of the shipments, the planned docking and departure times and, in addition, all loading and unloading-relevant information at the gate. At the heart of the project is the inconsoYMS (yard management software), which is responsible for the centralized yet site-specific planning and controlling of all internal transport processes. How exactly is that realized? The inconsoYMS operates at Hermes Germany via a central system platform, which is available to the individual Yard Managers to centrally survey all transport movements within a single location. Loading points and resources are optimally loaded depending on the location and the current situation. The installation started at the Hermes Logistics Center Berlin-Brandenburg in Ketzin/ Havel. Hermes

Germany has invested around 53 million euros in the logistics center, which was put into operation in 2017, and is used for the distribution in large parts of Berlin, Potsdam and the surrounding Havel area. Up to 250,000 parcels are sent daily via 116 loading gates. The efficient coordination of the trucks with the respective gates or ramps is controlled by the Yard Management System; about 250 parking spaces in the yards for swap bodies included. System launches also followed at other locations – such as in Löhne, Graben, Mainz and Friedewald. The last-mentioned went live as „Big Bang" during ongoing operation.

Integrative solutions create added value

The central installation of inconsoYMS has created the necessary infrastructure for the standardized handling of transport movements at Hermes Germany. Above all, however, the convincing option was to be able to lift additional locations and logistics centers onto the platform without major configuration effort. The high integration capability of the solution benefits not only Hermes, but also Advantech. While ramp access and resources can be controlled centrally via the system platform, real-time status information is also reproduced locally via the inconsoYMS. Bundled, this information is available for quick decisions in favor of optimal supply control – also to be displayed on the Advantech UTC-318 terminal.

Advantages of the UTC-318 at a glance

The stylish 18.5" terminal meets all the requirements of a contemporary as well as sustainable industrial terminal and convinces with

- Great adaptability
- Mechanically robust design
- Flexible mounting options
- Convincing price-performance ratio