



English

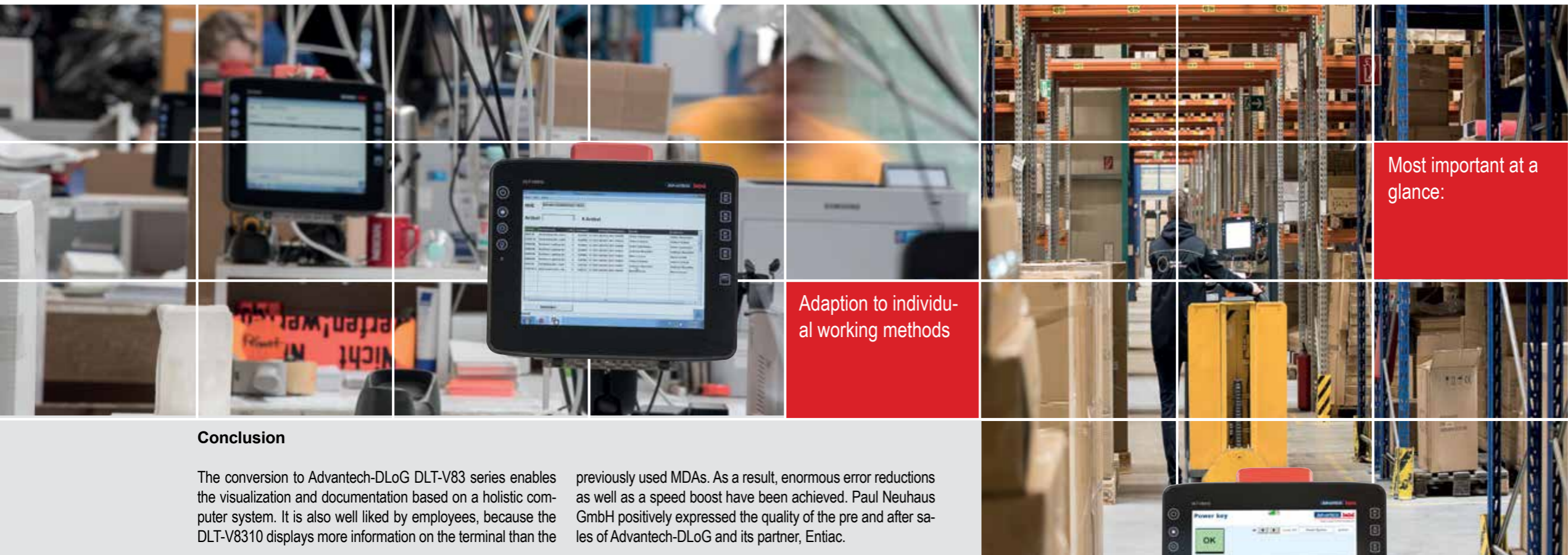
- All-in-One touch computer
- Capacitive & resistive touch
- Integrated UPS
- Diversity-WIFI, WWAN & GPS

### Project implementation

The implementation phase of the DLT-V83 project lasted from November 2015 to June 2016 and took place in three phases. Initially, 20 devices were implemented and an additional 30 devices were installed in two additional steps - the emphasis was on an easy transition from old to new systems. Additional focus was on the motivation of the employees who have to use the system on a daily basis; their acceptance and a smooth process were of great importance. The implementation was carried out by Entiac and was supported by the PSS department of Advantech-DLoG. Extraordinary preliminary work was carried out during the test phase, which, in addition to the customer-specific image, also ensured the installment at the vehicles and the storage areas.

## Advantech-DLoG Reference

### Industrial PCs at Paul Neuhaus in Werl



Most important at a glance:

Adaption to individual working methods

#### Conditions:

- Industrial terminals for mobile and stationary applications
- Terminals with touch screen and Wi-Fi
- Increased demand for information on devices due to increasing volume in CEP dispatch area

#### Products used:

- DLT-V8310 with capacitive touch screen
- Cable scanner connected via Bluetooth

#### Benefits:

- Process optimization in the CEP dispatch area
- Paperless, effective picking
- Display multiple information on devices
- Error reduction and speed boost

### Conclusion

The conversion to Advantech-DLoG DLT-V83 series enables the visualization and documentation based on a holistic computer system. It is also well liked by employees, because the DLT-V8310 displays more information on the terminal than the

previously used MDAs. As a result, enormous error reductions as well as a speed boost have been achieved. Paul Neuhaus GmbH positively expressed the quality of the pre and after sales of Advantech-DLoG and its partner, Entiac.



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## Increased information requirements and order visualization for fast CEP services

What was originally a two-man business in 1962 has grown into a leading medium-sized company in the area of lighting. The family-run lighting company, in the second generation and headquartered in Werl, has always been one step ahead of the market through its own developments for more than 50 years. Paul Neuhaus GmbH offers a comprehensive product range including domestic lights, smart home compatible light control or exchangeable LED boards. Paul Neuhaus stands for technical innovation and design lighting at the highest level.

To date the company has handled tasks in the warehouse with MDA handhelds (mobile data acquisition handhelds), however the requirements for the order picking process have changed considerably. In addition, the interface between the packing station and the warehouse was not optimized and larger displays were required.

### Error reduction in the CEP service through process optimization

Recently, the demand for CEP services (courier, express and parcel services) has been rising rapidly, since the ordering of goods has never been as easy as it is today. Almost all companies use day-to-day parcel services for the transport of goods. Sophisticated services such as Next Day, Same Day or Instant Delivery boost customer expectations. Therefore, shipments to different customer groups require additional flexibility in intralogistics. By improving order combination, an optimized packing process and an IT connection of the packing transaction to the dispatch department can increase the delivery speed and quality.

All necessary work instructions and pack or product lists are displayed on the terminal. Another area in which the DLT-V8310 is used refers to the forklifts in the warehouse of the light company. The dispatch department receives all information about the order on its terminal. This information not only improves the quality of the order process, but also improves the delivery speed significantly.

### Requirements: System stability, Wi-Fi, large touch display, robustness

The project team chose the DLT-V83 series due to excellent visualization options, both mobile and stationary use in harsh environments and a uniform device base. The industrial vehicle terminals from Advantech-DLoG fulfilled all requirements of the Paul Neuhaus GmbH:

- Reliable and low-maintenance industrial PC technology
- High system stability
- Possibility of stationary and mobile use
- Large display
- Easy touch screen operation
- Wi-Fi and secure performance
- Fast service; pre- and post-sales support



### Devices for stationary use in harsh environments, as well as for work applications on forklifts

For Paul Neuhaus, it was important to use the vehicle mount terminals in two different areas in order to optimize the complete workflow. Therefore the choice fell on the DLT-V83 series, which was able to convince with its industrial standard, capacitive touch screen and user friendliness. In the area of order combination, employees

assemble packages for customers. After incoming orders are shown on the DLT-V8310, employees can start to process the orders step by step. The packing processes as well as the package handling are being prepared. Various applications are now running on the DLT-V8310: incoming orders, pickings, and the communication to the warehouse staff for order fulfillment. The DLT-V8310 ensures that every employee knows exactly, which orders are currently pending and which products are required to complete the package.

### Partner Entiac

The company Entiac in Hildesheim is part of a broad IT group with around 150 employees. With a comprehensive range of services, they support customers throughout their value chain. Due to the strong know-how in innovative and supplier industries, customers benefit from the consulting and software introduction of Entiac. The optimization of

logistics and production processes is top priority for their highly qualified consultants and computer scientists. With more than 100 medium-sized customers, Entiac ensures smooth workflows. Entiac is a partner of Advantech-DLoG and executed the implementation at Neuhaus.