



RFID LABELS

RFID HARDWARE AND SOFTWARE

BARCODE HARDWARE AND SOFTWARE

SYSTEM INTEGRATION

Introduction & Vision herpa tech 2024

**Before 1st
Jan 2022**

mw4 solution and DTE Automation as 2 separate businesses

- DTE Automation, based in Enger, has been a 100% subsidiary of herpa print GmbH since 2020 and develops software, designs hardware and offers integration with barcode or RFID labels from herpa print
- mw4 solution, based in Löhne, Germany, produces and sells RFID labels

**1st Jan
2022**

mw4 and DTE become herpa tech...

- herpa print acquires mw4 solution
- Merger of the DTE and mw4 solution teams at the Löhne site (01.04.22)
- Integration, optimization of processes, purchasing, sales structures, etc.
- Expansion of the product range: Complete offer "from a single source"
- Leveraging material knowledge and expertise from our partners

Vision: System Integrator with In-house Label Production



- Integration, optimization of processes, purchasing, sales structures, etc.
- Use of synergies and joint RFID know-how
- Expansion of the product range: Complete offer "from a single source"
- Leveraging material knowledge and expertise from our partners

- Printed and blank identification labels
- Sophisticated screen, digital and thermal transfer printing
- Precision die-cut with latest technology incl. laser punching and camera control
- Processing of high-quality special materials
- Camera inspection



- Passive RFID Labels
- Programming and printing in thermal transfer printing (e.g. sequential numbers)
- Programming of application-specific software solutions and applications for industrial handheld RFID and barcode devices
- Complete project execution including feasibility studies, special antennas, RFID and barcode hardware, assembly, commissioning, etc.

About Us



Consultancy & Service



With our know-how and our experienced team of specialists, we develop and implement future-oriented solutions for product labeling.

Hard- and Software



The software as an interface between merchandise management systems and RFID hardware is of central importance.

RFID Tags & Labels



The good interaction of all components of an RFID system has top priority.

Portfolio



Integration



We offer feasibility analyses, develop concepts and solutions and, if desired, install the complete system on site.

Application



We develop, produce and assemble RFID labels in a wide variety of special materials for specific applications.

Service



Professional and individual - We offer all services related to the development, production and installation of RFID solutions. Find out more about our customer-oriented service.

Products



Solutions



- RFID Starter Kit
- RF Emulator
- Middleware
- RFID Tracking
- Smartlabel
- Antennas
- Test Systems

Labels & Accessories



- RFID Reader UHF / HF
- RFID Gates
- Barcode- and RFID Printers
- Handhelds
- Accessories

Hardware RFID & Barcode



- Zebra
- Toshiba
- Sato
- Feig
- Sick
- Phoenix Contact

RFID Solutions

Compact Gate



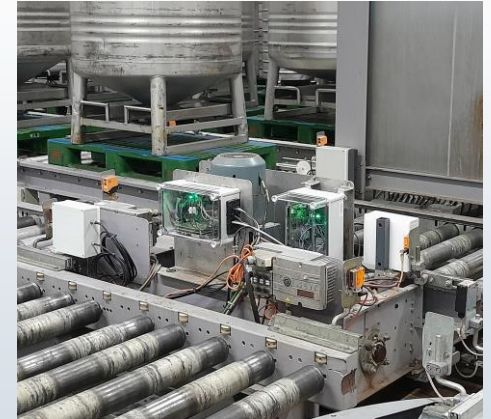
- Direction Sensing
- Quick set-up
- Inclusive visualization
- Software Package
- Automatic Capture
- EU and USA version

Specifically Adjusted Gates



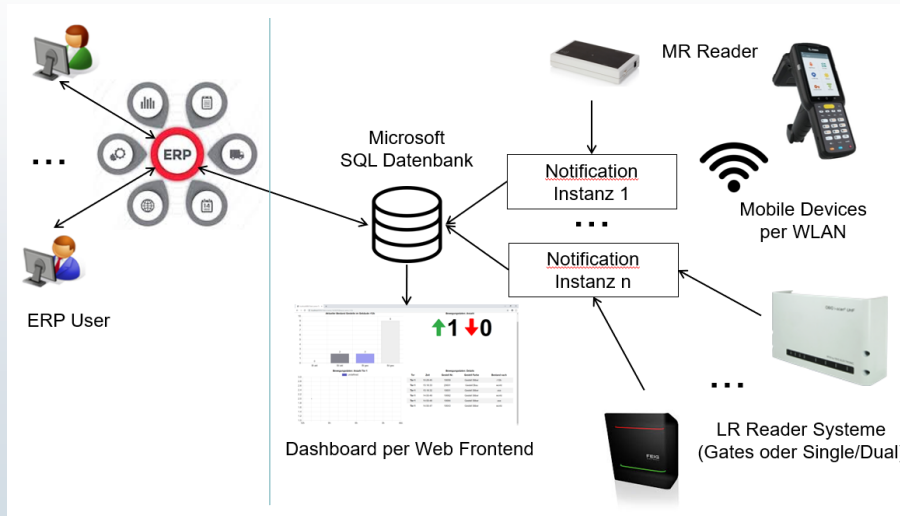
- Customer Executions
- Installation
- Commissioning
- ERP Connection

Example Specific Solutions



- UHF and HF combination device
- 1 protocol
- Profibus Interface
- PLC Integration
- Self-sufficient command sequences

RFID Middleware



- Schematic diagram

The screenshot shows the **DTE - Notification** software interface. The main window displays a list of clients and a detailed view of a specific client's data. The **Record Viewer** window is open, showing a table of notification records.

Id	DATESTAMP	TIMESTAMP	LINKTEXT	EVENT	TAGTYPE	ICDTYPE
1	2018-07-24	15:33:40	1532446420211	OUT		
2	2018-07-24	15:33:43	1532446420222	OUT		
3	2018-07-24	15:33:52	1532446420231	IN	B4	00
4	2018-07-24	15:34:53	1532446420234	OUT	B4	00
5	2018-07-24	15:34:56	1532446420232	IN	B4	00
6	2018-07-24	15:35:02	1532446420233	IN	B4	00
7	2018-07-24	15:35:04	1532446420237	IN	B4	00
8	2018-07-24	15:35:56	1532446420236	OUT		

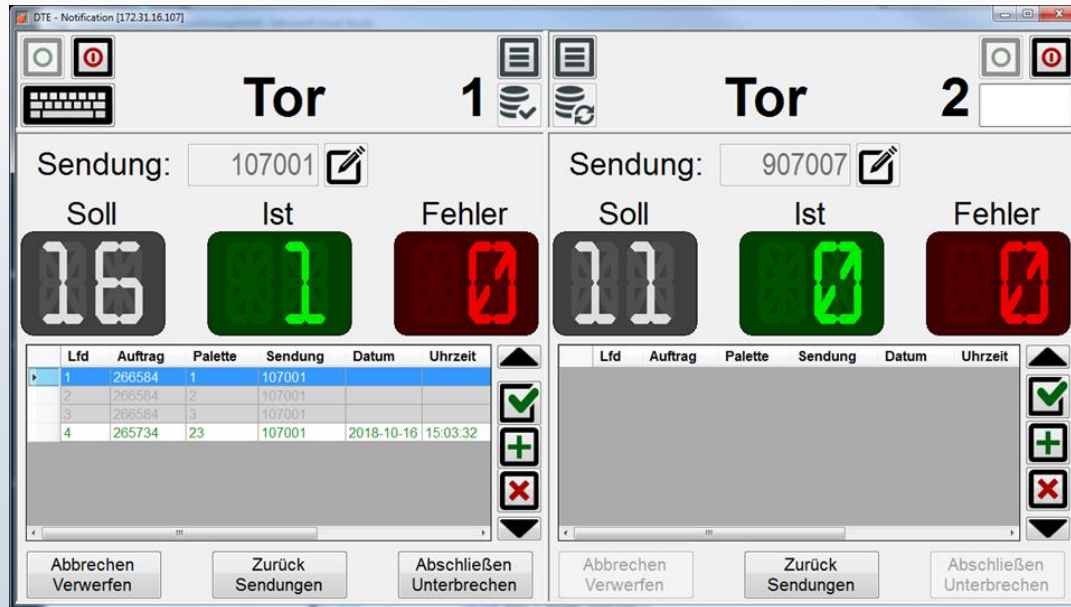
Below the table, there are filter options for **SPECIAL**, **MAC**, **Ant. Port**, **Data Hex**, **Event**, **Device**, **Input**, **Data**, **Datestamp**, **IPort**, **Status**, and **Order By**.

Notification mit geöffneten Record Viewer

- Notification Instance

Software

ERP Connection



The screenshot displays the 'DTE - Notification [172.31.16.107]' window, which is divided into two main sections for 'Tor 1' and 'Tor 2'. Each section shows a 'Sendung' (shipment) number, a 'Soll' (planned) count, an 'Ist' (actual) count, and a 'Fehler' (error) count. Below these are data tables and control buttons.

Tor 1 Data:

Lfd	Auftrag	Palette	Sendung	Datum	Uhrzeit
1	266584	1	107001		
2	266584	2	107001		
3	266584	3	107001		
4	265734	23	107001	2018-10-16	15:03:32

Tor 2 Data:

Lfd	Auftrag	Palette	Sendung	Datum	Uhrzeit
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Buttons at the bottom of each section include: 'Abbrechen Verwerfen', 'Zurück Sendungen', and 'Abschließen Unterbrechen'.

- Based on the herpa tech notification software, an interface to the customer's ERP system was implemented
- Parallel automatic loading of shipments at multiple gates
- Visualize errors
- Approval of corrections
- Internal stock transfers



Thank you

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