

Track+Race LS

Optimised Logistics for Truck Managed Warehouses

Batch Tracking | Automated Pallet Identification | Positioning + Navigation | Indoor | Outdoor | Managing Returnables



INDYON

Automated Indoor and Outdoor Goods Tracking

Locating: Track+Race tracks the position of the fork lift truck (FLT)! Track+Race LS is a module of the Track+Race Suite. It allows automated identification of any goods in the warehouse - without having to use labels of any sort. No matter what kind of storage facility you run, block storage or high-bay racks, indoor or open air, Track+Race LS can be used in any FLT operated warehouse and for all inhouse movement of goods. It enables automated identification and tracking as well as totally new productivity and safety enhancing applications.

Is it possible to have maximum efficiency combined with the highest level of safety? Certainly!

Track+Race LS knows the position of the FLT. In critical situations the driver will be warned by visual or acoustic signals. The system can support the driver by prohibiting access to or transit to designated areas for certain types of FLTs. For example low ceiling areas can be automatically avoided. For easy orientation in the warehouse the direction to the destination is indicated on the terminal just as in an in car navigation system. The driver can concentrate on his primary job: driving a FLT.

Track+Race LS

Reduce Costs and Increase Quality



RF-Terminal: online connection via WLAN with the warehouse management system



Track+Race Red Box: FLT mounted activity and locating data processor



RFID-Antenna: flat and robust; mounted on the FLT

RFID-Transponder: Floor embedded passive transponders requiring no internal or external power source

Automated Tracking & Tracing: A new dimension in warehouse logistics!

Invisible and protected against destruction, passive RFID-transponders are embedded in the floor. Readability is guaranteed even in harshest industrial conditions: water, ice, snow, oil or grime do not have any negative effect on the reading quality. When driving over the transponder, the transponder-ID is registered; **Track+Race PM** calculates the position of the FLT combining it with data from sensors for height and load status of the forks. The exact location of goods moving within the facility is monitored in real time together with all FLT activity. The system can support the loading of goods on lorries according to a planned sequence. **Track+Race LS** communicates online with any warehouse management system and can be integrated in an existing IT-environment. By enabling the handling of unlabeled goods and batch tracking in real time from receiving to shipping, **Track+Race LS** supports compliance to EU regulation 178/2002.

Customer benefit

Compared with conventional barcode solutions **Track+Race LS** affords enormous cost optimisation potential. In addition to reduced material costs for labels and printers, process costs can be reduced dramatically. No scanning - no waste of time! Sources of manual error are eliminated and the

Track+Race LS components:

- floor embedded passive RFID-transponders
- truck mounted robust RFID-antenna securely and safely installed under the FLT
- FLT mounted **Track+Race** Red Box
- FLT mounted sensors for load and height control
- **Track+Trace PM** with online interface to the truck management system / warehouse management system

About us

Founded in 2002 by industry veterans, INDYON develops innovative high quality electronic and RFID driven solutions for warehouse management and yard management. Our employees have thorough knowledge in all relevant key technologies and more than 20 years experience in various industries (e.g. paper, wood, food & beverage, chemicals).

Other solutions:

Tracking of goods and documents, RFID based positioning and locating systems, ticketing, info terminals.

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