

SuCES-Load



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High-level monitoring of loading process

SuCES-Load stands for an automatic monitoring system for loadings, which uses the advanced RFID technology for the fully automatic registration of all loading processes. A comparison of target and actual results with order data allows a control of the running loading process and an automatic booking without manual handling. This guarantees transparency and reliability of loading processes.

Functionalities of SuCES-Load

- ▶ RFID-based, automatic registration of loading processes with loading order
- ▶ Comparison of target and actual results of loading processes and loading orders
- ▶ Immediate alarm in the case of error loading
- ▶ Automatic trigger to enter the loaded order position

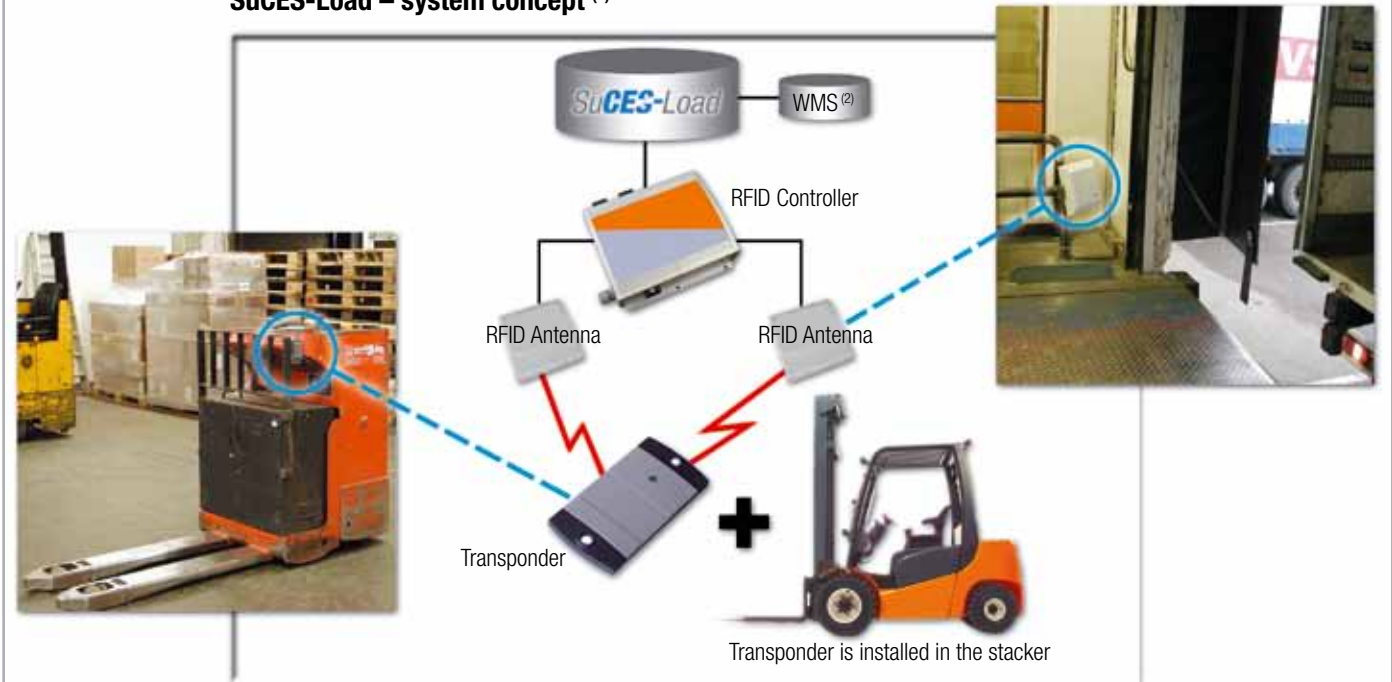
Benefits of SuCES-Load

- ▶ Prevention of error loadings
- ▶ Reduced insurance fees
- ▶ Prevention of loss of goods
- ▶ Reduced process time/reduced manual handling
- ▶ Ergonomic processes
- ▶ Reduction of disappearance

AREAS OF APPLICATION SuCES-Load

- ▶ Distribution of finished goods
- ▶ Packaged goods and parcel logistics
- ▶ Depot-handling and cross-docking
- ▶ Transport between plants
- ▶ Supply of products

SuCES-Load – system concept ⁽¹⁾



- (1) Alternative: transponder at the gate, transit identification by the stacker
- (2) Warehouse Management System

From consultancy to operation – SuCES-Load

ESG provides monitoring of loading and takes overall responsibility for the project during all phases.

- ▶ Definition of objective
- ▶ Definition of specified process
- ▶ Analysis of current processes
- ▶ System design for implementation
- ▶ Assessment of potential
- ▶ Project planning



- ▶ Operation of system/infrastructure
- ▶ System implementation
- ▶ Ongoing optimisation
- ▶ Operative start-up
- ▶ Extension of system
- ▶ Project management

This results in turnkey solutions, including hardware and software, which – if requested by the customer – can also be operated by ESG. When it comes to financing the project, ESG supports its customers in the form of tailor-made financing concepts (project leasing offers, etc.).

Customer-specific application of active and passive transponder systems

Active transponder system

Example data:

- ▶ Range: up to 30 m, adjustable
- ▶ High durability of the data medium
battery: approximately 6 years
- ▶ High memory volume
(e.g. 7800 byte)
- ▶ Metal-proof
- ▶ Additional functions: optical signals, temperature logging

Passive transponder system

Example data:

- ▶ Range: up to 0.25 m
- ▶ Minimum durability: 6 years
- ▶ Efficient memory volume
(16/192 byte)
- ▶ Competitive price per transponder