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INCREASED HANDLING CAPACITY DUE TO MORE EFFICIENT LOGISTICS

SyncroTESS is the most comprehensive IT solution
in distribution centres



OPTIMISED FLOW OF GOODS

MORE EFFICIENT HANDLING PROCESSES

SyncroTESS is the software solution for the optimised flow of goods in hubs. The system optimises the transshipment of loading units as well as the despatch of trucks and railway-cars at parcel centres, in-company reloading points and goods distribution centres.

SyncroTESS plans and monitors the delivery and distribution of goods both by truck and by rail. The system ensures an optimised allocation of all transport units, such as containers, swap bodies or semi-trailers. In addition, the system manages all loading spaces for transport units within a centre. In this way, a constantly optimised utilisation is guaranteed for all the resources required in goods handling. SyncroTESS ensures shortest routes, minimal deadheads and punctual processing of all transport orders.

INDIVIDUAL AND FLEXIBLE

With SyncroTESS, users receive a system that optimises all processes in the hub and automatically assigns transport units to handling equipment. Processes are clearly mapped out and thus effectively support the yard manager's decisions in real-time. The fundamental attributes of good yard management are supported by SyncroTESS.

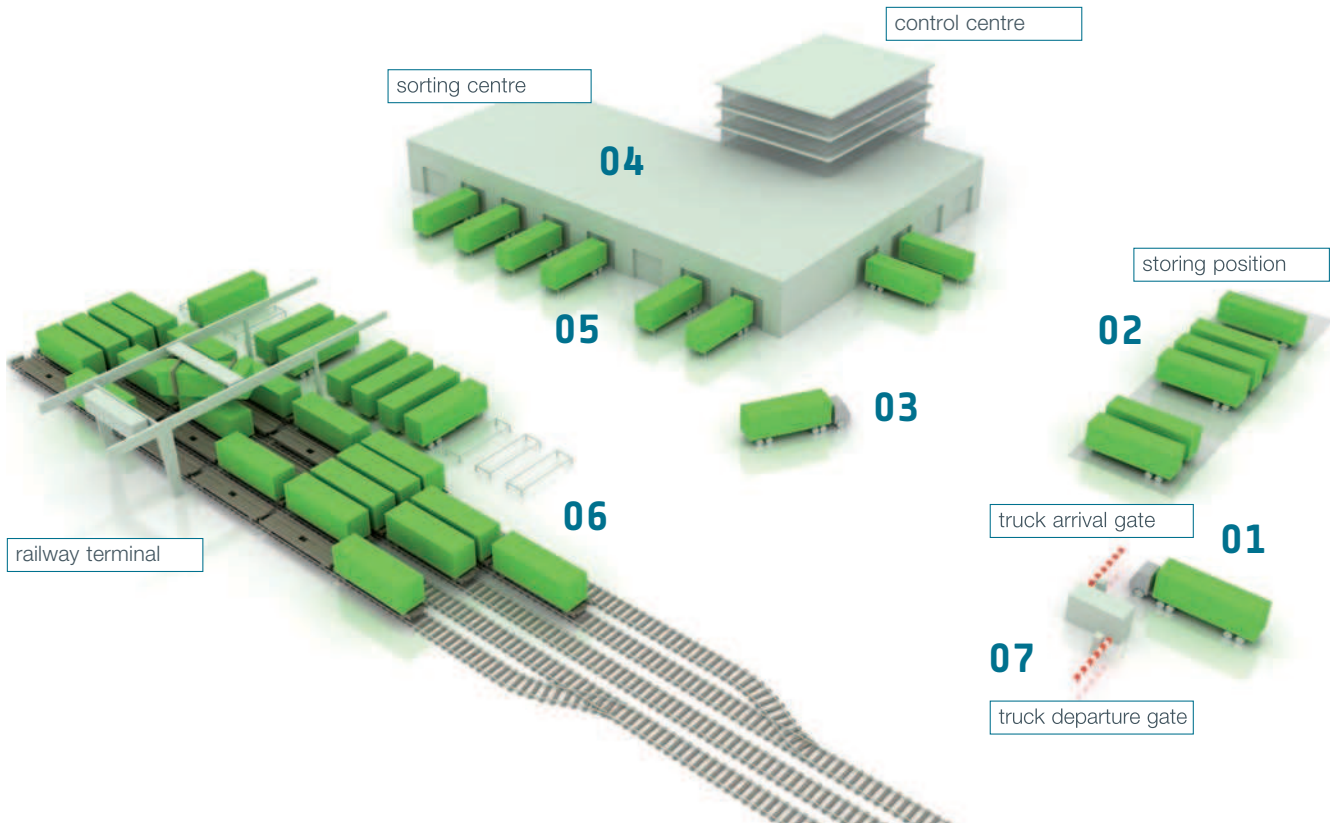
ADVANTAGES

With SyncroTESS users are able to

- optimise the flow of goods,
- reduce processing times,
- increase handling capacity,
- balance equipment utilisation,
- minimise driving routes and times,
- react flexibly to unexpected circumstances,
- increase transparency,
- improve profitability.

MODULAR DESIGN

Due to its modular design, SyncroTESS software can be individually and flexibly adapted to suit the customer's requirements.



EXEMPLARY USE OF SyncroTESS

- 01** Truck arrival – SyncroTESS registers both announced and unannounced trucks and loading units and generates a transport order for its transfer to the best possible storing position in the centre.
- 02** SyncroTESS automatically generates transport orders for incoming and outgoing loading units. When a loading unit arrives at the hub, the system determines the ideal storing position or bulk location, according to the type of loading unit (e. g. semi-trailer, swap body, ISO container), expected time of delivery or special requests (reefer or hazardous goods).
- 03** Afterwards the transport orders for on-site vehicles are generated (e.g. from the railway buffer area to the storing position). Transport orders are optimised according to their job time frame and urgency, always trying to keep the distance of each trip to a minimum, and are communicated via radio data transmission (GPRS, WLAN, etc).
- 04** Employees in the sorting centre are connected to SyncroTESS via mobile terminals. They signal the beginning and end of the loading or unloading processes and collect information relevant to loading (e.g. how full the loading unit is, the number of small load carriers, contents). Via monitors above each dock SyncroTESS informs the employees of the load destination and the deadline for each transport order.
- 05** Completed loading units are automatically hauled away and new units are deposited in their place. SyncroTESS automatically generates transport orders for the corresponding handling equipment.
- 06** Trains and waggons can either be manually or automatically registered via OCR cameras or transponders. The direction of the train can also be automatically registered, so that SyncroTess is able to differentiate between train arrivals and departures, as well as their shunting. Based on the transport data, SyncroTESS sends the corresponding coordinates and loading information to the crane assigned to the job.
- 07** When the truck leaves the centre, a departure check for trucks is carried out by SyncroTESS via transponders, cameras or manually.

SYNCHRONISING INSTEAD OF ORGANISING

Managing complex procedures easily and efficiently is the task of a good logistics software. As a specialist in the field of transport logistics, with SyncroTESS, INFORM offers a system which optimises extensive logistics processes in real time via intelligent planning and despatch decisions.

The system has a wide-reaching portfolio from the management of in-plant transport and road transport to the efficient handling of containers and the smooth aircraft handling, up to transport optimisation in hospitals. Here, not only organisation plays a central role, but also the synchronisation of all logistics procedures. With SyncroTESS companies are able to create a fully automatic and transparent supply chain. The potential for rationalisation resulting from this has been used by customers for over 20 years in the most varied branches: the automotive and chemical industry, steel production, machinery manufacturing, airports, building material manufacturers and suppliers, hospitals, intermodal terminals, sea and inland ports and distribution centres.

REFERENCES



SyncroTESS ensures seamless handling: short processing times, a balanced use of the available resources and a high adherence to schedule result in being able to raise our handling capacity and lower transport costs.«

Sven Klimpel, Managing Director Central HUB, Hermes Logistics Group

»ADVANCED OPTIMISATION!«

»OPTIMIERT ENTSCHEIDEN!«

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