

# atlas

## WCS

is an IT solution for the control and optimisation of internal material flow.



### THE HEART OF YOUR AUTOMATED TRANSPORT SYSTEM

AtlasWCS coordinates automatic transport devices, such as high-rack lifts, conveyor belts, automated guided vehicles (AGV), robots and other devices, and can also issue goods movement orders to forklift drivers or workers. It works as a central software module that, on the one hand, connects ERP, PPS (Production Planning System) or WMS (Warehouse Management System), and, on the other, automated devices, while also directing forklift drivers where to go (navigation).

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## WCS

Atlas WCS makes decisions on the movements of transport units and material with regard to the tasks of superior systems and/or individually triggered system events. The key functions of Atlas MFS are: management of material flow, efficient use of resources, and uniform control and visualisation of the system.

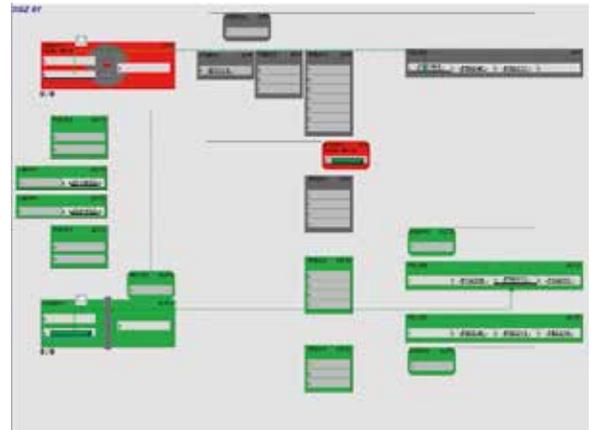
In many ways, Atlas WCS is similar to navigation systems in personal vehicles, but instead of guiding just one vehicle (automated device), it guides all of the vehicles "on the road". In this manner, it ensures optimal movements of all goods (urgent vehicles first, followed by vehicles with perishable goods, etc.), taking account of the network of roads, their categorisation, congestion and length, as well as adjusting to potential obstacles on the roads (closure of individual transport route sections) in real time, and if necessary redirecting the traffic accordingly. In the case of a breakdown of one vehicle, it automatically assigns its task to another vehicle.

### TOP 5 REASONS FOR CHOOSING THE ATLAS WCS MODULE:

- 100% traceability
- Connectivity with devices of different manufacturers
- Dynamic transport path selection
- Considering priorities
- System visualisation



*Dynamic transport path selection and 100% traceability*



*System visualisation*

### CUSTOMER BENEFITS: BETTER FLOW, HIGHER AVAILABILITY AND PRODUCTIVITY

- **Higher flow and system capacity:** Because Atlas WCS balances the burden on devices, all devices are optimally burdened and used to the maximum.
- **Optimum system availability:** Due to the dynamic selection of transport paths, in the case of congestion of a certain section of a path or a breakdown or maintenance of devices, the system predicts an alternative route (diversion). This substantially increases system availability.
- **Simple use, short training time of users, higher productivity:** Because WCS combines all devices and subsystems into one common system available via a common interface, its use is very simple and user training time is shorter, which significantly increases productivity.
- **Expandability and flexibility:** Simple adaptation of the system to new requirements and additional devices.



### WOULD YOU LIKE TO FIND OUT MORE?

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