

atlas

omni place

is a system that monitors the movements of forklifts by way of computer vision and follows the flow of palettes precisely without scanning source and destination locations. The system knows the 3D position of each and every palette in the warehouse and directs the forklift operator to the right location.



REAL-TIME LOCATION DETECTION IS NO LONGER A PROBLEM!

With the help of the OmniPlace system, the forklift operator deposits the palette at any location or at the location as directed by the supervisory system in the warehouse, whereby the utilisation of warehouse facilities is greatly improved. The accurate detection of the location of warehoused material ensures that there is no inefficient driving of forklifts to and fro searching for particular material, thus optimising the process and increasing operational safety.

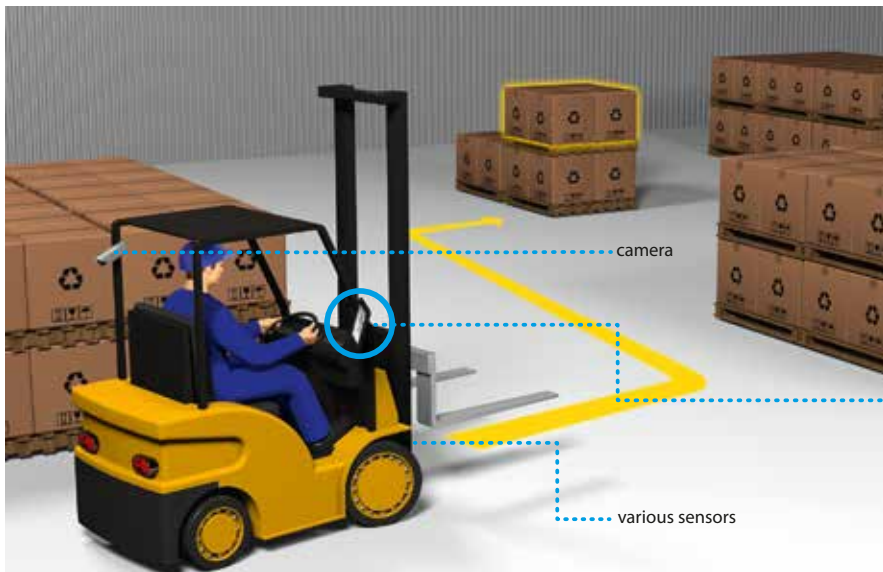
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100% CONTROL, OPTIMUM UTILISATION AND CONSIDERABLE SAVINGS

The OmniPlace module facilitates an increase in the utilisation rate of your warehouses, as it enables:

- automatic recordkeeping,
- real-time visualisation,
- rapid access to material,
- high-density warehousing,
- optimum coordination and management of forklifts,
- 100% transparency,
- continual inventory.



ALWAYS AT THE RIGHT PLACE AT THE RIGHT TIME

The operation of the system is simple, yet very accurate. A camera attached to the forklift follows the labels or markings on the floor that roughly determine the location. By following random outlines, the system can trace the forklift's path with high accuracy. The sensor built into the forks determines whether there is a palette on the forklift or not, while the lifting sensor detects the height to which the palette is dropped and the place where it is picked up.

The system transfers the data to the forklift terminal and the data then travels via Wi-Fi network to the supervisory server, which follows and directs the operation.

In the case that the use of labels is not sufficient (e.g., in an open-type warehouse), the camera system can be supplemented with a GPS system.

A special optional package, OmniPlace Navi, enables the orientation (navigation) of the forklift operator through the material maze, in a similar way to driving a car. OmniPlace Navi thus prevents the forklifts from crossing paths ("collision detection warning").



Navigation and 3D visualisation

KEY ADVANTAGES:

- automatic identification of warehousing location, forklifts and goods,
- 3D (x, y, z) real-time visualisation and navigation of forklifts,
- flexible use — for all warehouse types and forklift sizes,
- simple installation and startup,
- inter-operability with various systems (SAP WM/EWM, Baan, Navision, AtlasWMS and/or other ERP or WMS systems),
- low maintenance costs.

BENEFITS FOR CLIENTS: ERROR-FREE EFFICIENCY

- Flexibility of warehousing locations
- Optimisation of warehousing capabilities
- Optimum utilisation of forklifts
- Error-free ship-in or ship-out of goods in the warehouse
- Shorter time required for tracing goods
- Analyses/statistics on utilisation of locations, forklifts, paths, etc.
- Greater (operational) safety at work



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