Gravity Warehouse™

A05 Gravity in Warehouse and Logistics

Application Concept

Gravity Warehouse™ is a prototype of a new generation warehouse interface for searching, sorting and managing large amounts of data from different sources. Gravity Warehouse™ can facilitate warehouse and logistics by offering a wide range of tools for product tracking (quantities, perishing products), invoices, locations, timetable management, etc.

What tools can Gravity Warehouse™ offer for warehouse and logistics management?

There are numerous software products when it comes to warehouse and logistics. Many of them are currently being further developed and there is a need in the market for a product that implements all sorts of data objects, can manage several systems in a multiuser environment.

The Gravity Warehouse™ interface is suitable for the implementation of logistic and warehouse management systems. In an application displaying pending orders those can be visualized on the work plane in predefined grouping points representing the delivery address (on a map) or the location of goods on the plan of a warehouse or a vehicle.

The capabilities of this method to employ peripheral devices as means of input, like a bar code scanner, allow it to automatically visualise for instance the location of goods on the plan of the warehouse. A useful implementation can be achieved when using a temperature sensor in a warehouse for perishable goods. By creating a grouping point for *goods that will perish in the next 3 days at the current temperature,* after initiating the active movement the user can move all the goods that meet that criterion to the group actions field and perform the action *generate loading list.* The user will also get a visual idea of what goods will spoil the soonest. If they activate grouping points on the work plane with all the orders received, after the second initiation of the active movement, the first grouping point will only contain the reminder of goods at risk of perishing for which there are no orders placed yet. In the cases when the computer device is placed in a car and receives data from an internal or external GPS device, the user can, without any additional action on their part, receive a clear visual idea of which goods are to be offloaded in the current location on their root and which are to be offloaded in the next.

Possible Data Sources

- Company's product databases
- Public databases