



POLARIS

RFID Software

Facilitate your supply chain and logistic processes!



Keep track of your assets and RTIs



Get an up-to-date inventory at any time



Speed up registration through bulk reading



Swiftly exchange your asset and RTI data



Save money by eliminating loss of assets and RTIs

POLARIS Asset Management Software

offers a comprehensive set of standard modules applicable in various industries

POLARIS: FUNCTIONALITIES

The POLARIS app, designed to efficiently identify, move and track your assets, can run on an RFID handheld scanner or RFID gate. A convenient web interface provides additional features including overviews and reports.

Search asset

Select an asset from a list and locate it by scanning and detecting the signal of the RFID tag. This function shows the proximity of the tag based on its signal strength. If the signal is clearly detected, an audio signal is played.

Asset details

Consult information about an asset: Name, Type, Location, Status photos, ...

Update a status: Active, Broken, Repaired, Removed, ...
Group assets for combined scanning and moving.

Move to

Select a location and scan the assets that must be moved to this location.

Move from

Move assets from a source location to a new location. This feature allows you to use the assets at the source location to form a pick list for the destination.

Return

Return assets to stock. Select the customer and the internal location. All scanned assets are updated in stock. It is possible to scan assets from different customers in one movement.

Count

Scan and make an inventory of assets at a location. The app will show you all assets that are present in that location and gives you an overview of changes from previous inventories.

Pick

Move assets from a picking order to a temporary location (for example a loading dock). This feature works according to a dual stage outbound process whereby the first stage is picking and the second stage is loading.

Load

Move assets from a loading order, from a temporary location to a final location. This feature is the second stage in the dual stage outbound process, only the assets picked in the first stage are expected for loading.

Pick & load

Move assets from a picking & loading order to their final location in a single step. All scanned assets are loaded and will be no longer in stock. Combining picking and loading, this feature works according to a single stage outbound process.

Create list

Create lists of assets that you want to combine for a specific reason. For example a batch of assets that have the wrong colour.



Additional features on the website

Dashboard

Show any information you want to visualise in a dashboard or graphic. For example an overview of your assets by location, by status, by type, ...

Maps

Visually present your assets at the different locations in your warehouse on floor maps or on a satellite map (GPS).

Orders

Follow up the status of picking and loading orders.

Reports

Create reports that can be printed or exported to PDF.

Print tags

Print and program a label containing a tag.

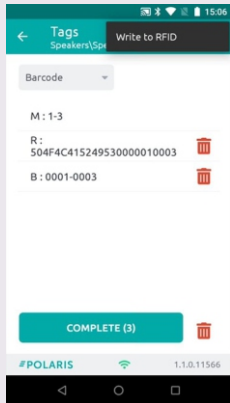
POLARIS

Programming, linking and printing of RFID tags

To trace assets, a link to the relevant RFID tags is required.

Assets are created in your ERP system and uploaded in POLARIS using the API.

The POLARIS app on the handheld allows you to link an asset with an RFID tag, a barcode or identifying text label. The handheld can also be used to program the tag or change the data stored on the tag.



Screenshot example

Program tags and change data in the tag. The "write to RFID" button saves data to the RFID tag.

RFID labels can be printed via the POLARIS website or via the handheld. An RFID printer is specifically designed to write data on the RFID chips embedded in RFID labels. Very useful if you wish to show barcode, graphics or any desired information on the label.

DID YOU KNOW ?

POLARIS also supports barcode and BLE tags

FUNCTIONALITIES

- Compatible with hand scanners
- Asset search, asset details, count
- Move
- Web interface
- Reports
- Link and program tags
- Compatible with HERTZ middleware, gates
- Pick & load
- Create lists, orders
- Maps, floor maps or satellite (gps)
- Print tags
- Data exchange via API
- Single Sign On
- Customised customer portal
- Customised dashboards and reports

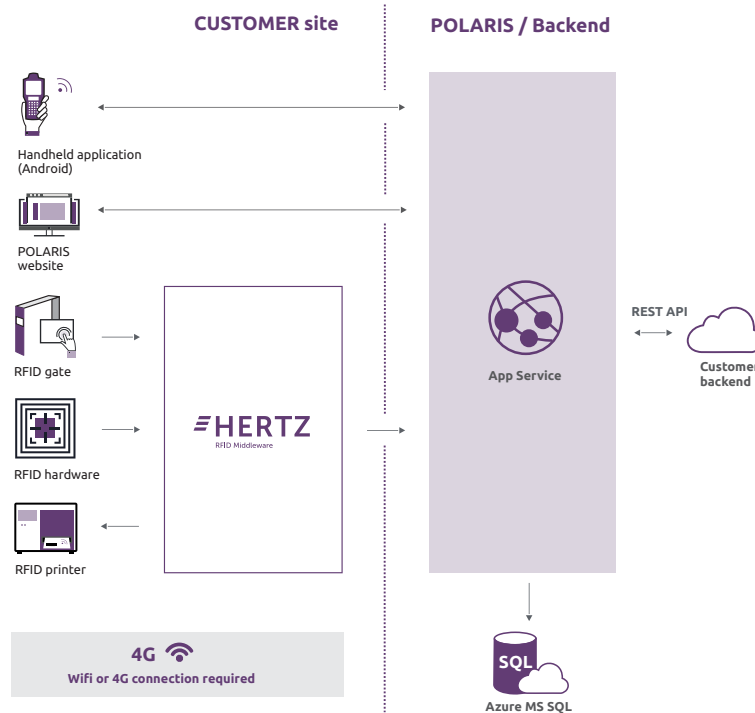
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POLARIS INTERFACE

The software architecture of a standard POLARIS configuration contains the following components:

Software architecture



Input

- **RFID printer:** is controlled via HERTZ Middleware and used to program and print RFID tags.
- **RFID read points:** are controlled via HERTZ Middleware and used to automatically move detected assets.
- **RFID handhelds:** allow the user to pick, move, ... assets via RFID (and barcode).
- **Website:** is used for master data management and for gaining insight in the history and current status of the asset pool.
- **RFID gates:** hardware controlled via HERTZ Middleware, allowing the user to pick, move, ... assets via RFID (and barcode).

Central website / service

- Provides communication between the other components.
- Keeps a history of all actions in a database.
- Provides management for master data.
- Usually runs in the (Azure) cloud but can also be installed on-premise on a Windows server.

Rest API

- Provides for integration with POLARIS.
- Assets can be imported.
- Orders can be imported.
- Results of actions can be retrieved.
- Master data (such as locations) can be managed.