

SYNQ INTELLIGENT SERVICES | COCKPIT FOR WAREHOUSE MANAGEMENT SYSTEMS



The challenge for today's modern logistics manager is not so much the availability of data – the savvy logistician is already aware of the interconnected nature of data, processes and machines – but the ability to distinguish what is relevant and what is not.

The SynQ Cockpit Manager is part of Swisslog's intelligence tools and was developed to provide the right information in a rapid, precise and understandable way. It is more than just a Cockpit or dashboard. It can identify irregularities in your logistics system and prompt measures to optimize operational processes. It provides complete oversight, identifying demand fluctuations in real time and at a glance. Data trending and daily operation KPIs such as condition monitoring and inventory statistics, are brought together with one intelligent solution, allowing users to react quickly and effectively.

Purchased as part of a SynQ WMS solution, or separately as a cloud-based add-on to an existing WMS solution, SynQ Cockpit Manager offers an efficient and cost-effective way of providing order statistics, storage utilization, labor performance and other data, and can be used in combination with other smart tools like Availability Manager or Event Manager.

Realized projects:
ROCHE | ANTALIS

BENEFITS

Flexible

The Cockpit Manager can monitor any warehouse – even if you use a different WMS; no modifications are required to integrate the software.

Intelligent

Turn data into information – Cockpit Manager offers a quick and smart way to get started with KPI reporting. The resulting optimization and forecasting capabilities make it possible to create entirely new business and payment models in system purchasing.

Elastic is Easy

Elastic search functionality means process data and operations can be accessed immediately. Whether you are looking at customer orders, operational transactions, the transport unit movement of products, or the picking performance of machines and operation, all is immediately available at your fingertips. You can interrogate trace events, look at system trends, or focus on peaks or exceptions issues that may have occurred.

Expandable

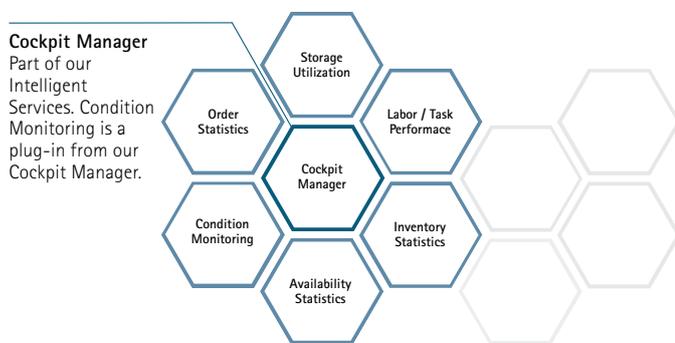
Combined with our plug-in extensions such as Condition Monitoring, Inventory Statistics or Availability Statistics, the Cockpit Manager offers holistic reporting on your system, processes and costs. These plug-ins deliver predefined KPIs that have the most immediate impact on validating your warehouse operations.

THE MORE TRANSPARENT YOUR FLOW OF GOODS, THE HIGHER YOUR COST SAVINGS.

KPIs at a glance

Predefined Key Performance Indicators (KPIs), such as actual daily storage capacity or tonnage turnover, are graphically represented. The integrated speedometer offers quick and intuitive insight into all warehouse operations. If you have additional reporting requirements, other KPIs can easily be integrated into the reporting and analytics tool.

As the core component of the Swisslog SynQ Manager family, the Cockpit Manager allows you to monitor the flow of goods in real time, optimize warehouse costs and offer your customers the best service possible. To improve the efficiency of your warehouse processes even further, we recommend combining the Cockpit Manager with other smart BI applications in our SynQ Manager family.



For example, the Availability Manager shows how the failure of one warehouse component can affect the entire material flow. If a malfunction occurs in the operation of your system, the Event Manager immediately issues a maintenance request or notification unless it is able to correct the problem itself. The Cockpit Manager interacts heavily with a 3D real-time system visualization interface, which allows warehouse throughput and inventory information to be displayed for the visualized system.

Search made easy

With the search functionality, information about Transactions, Transport Units, etc. can be found very quickly. Items can be searched by any metric and presented in a structured way to enable a fast understanding for the warehouse operator.

The screenshot shows the Cockpit Manager software interface. It features a search bar at the top, a navigation menu on the left, and a main data table with columns for various metrics and a detailed view on the right.

CASE STUDY

Antalis AG is a leading European wholesaler of paper, packaging solutions, office supplies and hygiene products. Swisslog's Cockpit Manager has successfully demonstrated its benefits at one of the company's locations.

The Cockpit offers:

- Constant visibility of current and historical performance data
- Basic features for planning and controlling workflows, e.g., new strategies or the adoption of new processes
- Support with the planning of daily operations, e.g., for employee resource planning
- A management tool providing important information such as:
 - Figures for pick performance
 - Required time to fulfill all orders on a given day
 - Tonnage and volume figures for transport planning
 - Figures for the re-invoicing of services
- Custom statistics on any KPI
- Basis for defining customized business processes in the distribution center
- Basis for identifying and eliminating malfunctions and shortages:
 - Analysis of actual state
 - Determination of weak points
 - Development of new target positions
- Employee statistics: The metrics can be used to assess employee engagement and team performance, prepare for job performance reviews, and set wages.
- High degree of granularity: detailed analysis of the collected data for future applications

Benefits for Antalis AG:

- Availability of data over a long period
- Performance: fast data processing in real time
- Layout flexibility: chart types, captions, etc.
- Ability to export to PowerPoint/Excel
- Create and store user-specific requests
- Ability to compare periods, e.g. March 2017 with March 2018
- Easy process optimization