



Quintiq was acquired by
Dassault Systemes in 2014 and is now
DELMIA Quintiq

Case study

Quintiq helps KLM Catering Services serve up meals faster and more efficiently





“This is one of the few IT projects that has been implemented on time and within budget. The punctuality of the distribution of the catering products to the aircraft has increased from 98 percent to 99.5 percent, which is an important improvement for us. It has exceeded our expectations concerning the functional requirements.”

– Jacques Blaauw, Managing Director for KLM Catering Services

The company

KLM Catering Services Schiphol (KCS) prepares and delivers 55,000 meals a day for 350 flights. The 1,300-person company is a subsidiary of KLM Airlines and is the catering company for KLM, KLM Cityhopper, and KLM UK. KCS also manages non-food supplies

such as beverages, sales trolleys, and navigation bags to the private airport lounges in Schiphol Airport. With a delivery performance of more than 99 percent, KCS attributes such solid performance to the Quintiq solution.



The business process

The business process at KLM Catering Services is unique for three reasons:

1. The goods that the company transports vary greatly from day to day in number, content, shape and packaging.
2. There are extremely strict food hygiene rules (Hazard Analysis & Critical Control Points, HACCP, norms) and product quality regulations to follow.
3. Due to the nature of airport operations, there are always last-minute orders, gate changes, flight schedule revisions, and unexpected onboard materials that must be handled.

The challenge

KCS needed to optimize the speed of its service delivery, maintain consistent delivery performance and product quality, increase productivity levels and control costs. The information the company had gathered did not sufficiently help management determine the right commercial conditions for its customers. Furthermore, competition had increased dramatically with several companies entering the market to provide similar services at lower costs. KCS realized that a comprehensive planning software package could help answer their challenges and get the company back on track.

The solution

KCS evaluated the planning systems that other airline catering and service companies used as well as many planning software packages. After an exhaustive and thorough review, the team selected Quintiq software and Ab Ovo for the implementation.

“The reasons we selected Quintiq and Ab Ovo were the flexibility of the software, the short implementation time needed and the extensive experience of Ab Ovo regarding logistical processes on airside,” said Walter Kimmel, Head of Operations, KCS. In addition, in the near future, a terminal session of Quintiq will be used to monitor the activities performed by KCS at the Hub Control Center at KLM, where all platform activities are managed. This increases communication and mutual trust between customer and supplier and provides more data for KLM’s management to analyze.



Results

“After a period of testing, we have very successfully gone live with Quintiq. The project team and KCS are very enthusiastic about the results.”

– Henk Ruiken, Shift Leader
at KLM Catering Services

After a relatively short but intense analysis, modeling, and interactive development phase with Quintiq, all required functionality for the software was met 100 percent. Simultaneously, the company implemented a real-time interface, FIRDA, to Schiphol Airport’s flight information system. This link provides a quick and accurate overview of the changes in flight times and positions at the airport, then automatically adjusts the assigned tasks, and alerts the planner of possible scenarios based upon pattern recognition. With this capability, KCS staff can better analyze any delays in deliveries and communicate the reasons for those delays to customers.

Using Quintiq, KCS has improved its delivery performance from 98 percent to 99.5 percent. In addition, implementing Quintiq has allowed KCS to improve the utilization of its materials, increase productivity and structure better commercial agreements with customers. The company has realized a 3 percent gain in capacity through more efficient use of its vehicles and drivers because of the software. The system has proven so valuable and reliable that additional activities, such as de-icing aircraft, have also been included in the system.



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