

Capgemini sd&m  
Projects

Logistics  
Visibility &  
Monitoring

## Kühne + Nagel Active Supply Chain Management



Whether for individual shipments, big system solutions in the contract logistics field or management of the entire supply chain – the global operating logistics company, Kühne + Nagel, ensures optimum reliability for its customers. Control over the network as well as active transport and commodity flow management are indispensable for ensuring ongoing quality. The global information logistics platform, KN Login, provides required consistent data on each and every shipment around the globe and can quickly identify interferences in the supply chain. Proactive monitoring allows Kühne + Nagel to take counteractive measures at an early stage and to process orders successfully.

### Project Profile

Client	Kühne + Nagel (AG & CO.) KG
Project	KN Login
Period	2006 to 2008
Project Type	Development
Total Effort	30 man years (Capgemini sd&m)

### Technology

Database System	Oracle
Programming Language	Java
Tools	Tomcat, Hibernate
Development Environment	WinXP, Popkin, Eclipse, JUnit, Struts
Platforms	Windows 2000/XP

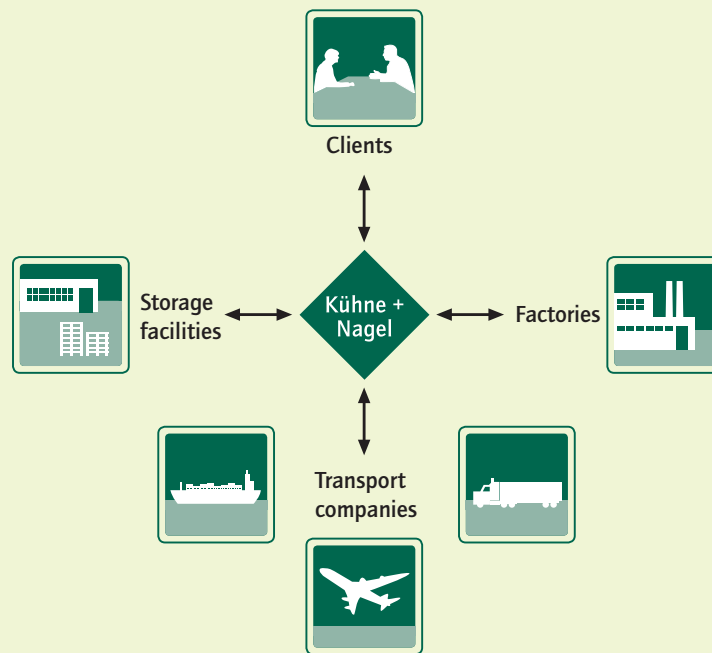
### Highlights

Integrated view of the entire supply chain:

- Uniform and complete view of all supply chain data for Kühne + Nagel and its customers
- Monitoring options for the entire supply chain in real time – across all products and independent of the mode of transport
- Decision-making aids for administrators thanks to alert emails and appropriately detailed information in the system
- Dialogs, events and monitoring rules configurable in customized fashion
- High performance with over 200,000 events per day

Modern software architecture:

- Design and implementation of a service-oriented architecture
- Design and creation of a web framework for Kühne + Nagel based on open source frameworks
- Development of a high-performance monitoring engine which Kühne + Nagel can configure in flexible fashion via super user dialogs
- Implementation of various visibility, monitoring and cross-sectional components
- Overall IT project management by Capgemini sd&m and project implementation in a team comprising staff from Kühne + Nagel and Capgemini sd&m – involving the Capgemini sd&m nearshore center in Poland



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