

PKM in China

MDI Production Plant in Ningbo

PKM Construction Process Optimization for Yantai Wanhua Polyurethane



Time is money, which explains why more and more international car makers are fighting for shares of the hotly contested Chinese market. On-time completion of a production plant making synthetics for the auto industry will enable the plant owner, Yantai Wanhua Polyurethane, to further expand its exposed market position within the supplier industry. Using PKM has substantially reduced the time-to-completion for the building!

In 2003, chemicals producer Yantai Wanhua Polyurethane advanced to rank second among China's Top 100 enterprises. Its products include a range of synthetics that are used, inter alia, for further processing in China's national automotive industry. Completion of the new production plant will increase the annual production capacity for the MDI synthetic product to

160,000 tons. This will make Yantai Wanhua one of the world's leading producers of MDI.

The future location of the new production plant, scheduled for completion in 2006, is Ningbo - 1700 km away from the head office in Yantai. With a construction volume of approx. € 270 million, the projects represents a milestone in the history of the Chinese chemical industry. In addition to the main production and warehousing facilities, the plant also includes administration buildings and disposal facilities.

The sheer size of the project, on the one hand, and the considerable distances between numerous project participants, on the other hand, are making large demands on the plant's planners, who are using PKM to coordinate this complex construction project in a controlled and time-efficient manner.

The PKM project communications platform links the 1000 or so people involved in more than 100 sub-projects. Messages, schedules, documents such as blueprints or CAD drawing are available via Internet browser to all project participants, wherever they are, whatever the time. PKM manages the workflow, monitors scheduling and provides an overview of the costs and decisions within ongoing projects. The Chinese-language was fully integrated in PKM within a mere three weeks, thus enabling a team from Drees & Sommer

International GmbH and Conclude GmbH to train participants successfully on site in Yantai within three days. Since October 2003, the project has been completely managed and implemented using PKM – to the great satisfaction of all project participants.

**Yantai Wanhua –
MDI Production Plant**

Location: Ningbo, Zhejiang Province, China
Area: 1.6 km²

Construction volume: € 266 million

Owner: Yantai Wanhua Polyurethane

Number of project participants: 1000 users
in 100 sub-projects

Scheduled completion: 2006

Further details: www.ytpu.com

**Conclude GmbH –
serving smart solutions**

Launched in Düsseldorf in 2002, Conclude is a high-quality service provider offering innovative and proven software tools for complex construction projects, on a Software as a Service (SaaS) basis.

Delivering its solutions on a SaaS basis means that Conclude handles all system hosting, service and support as a service. Purchase costs for hardware and additional essential software licenses are not incurred. The rental charge is based solely on the number of registered users working on a given project. There are no hidden incremental costs for data storage, traffic, (technical) support or configuration changes. The monthly rent includes all ServicePoint functions, in particular.

Besides the PKM Project Space, Conclude supplies other integrated solutions for proactive management of budgets, costs, risks and defects. Conclude also delivers special solutions for machinery inventory, facility management and for implementing noise protection programs – all as location-independent Software as a Service via the Internet.

The PKM virtual project space alone is currently supporting more than 25,000 users in over 1000 projects involving a construction volume in excess of 80 billion Euros, in 38 different countries and 13 different language versions. Our customers include Accor, Airbus, BBI, BMW, BBVA, Drees & Sommer, Deutsche Bank, Dresdner Bank, ECB, Fichtner, Grupo Stadia, HochTief, Mercedes-Benz, Munich Re, Roche, Schott, Siemens and UBS.