

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

Case study

# Systems planning and material flow management for a cold rolling mill

THYSSENKRUPP STEEL EUROPE





## Highlights

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ThyssenKrupp Steel Europe AG focuses on the attractive, fast growing segment of high-grade quality flat steel. The company's portfolio ranges from intelligent materials solutions to product specific prefabrication, individual and comprehensive services, and ready-made steel components and assemblies.

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Integrated planning and transparency throughout the whole production process:

- Use of the Quintiq Metal Scheduler as the basis for the planning application and modeling the planning process specific to ThyssenKrupp Steel Europe
- Depiction of all production systems and production or plant restrictions in the planning process
- Realization of a system-based sequence for manufacturing operations
- Connection to production control via database integration
- Support for planning decisions by intuitively visualizing the planning consequences
- Efficient analysis of planning quality by calculating key indicators
- Visualization of the systems' capacity utilization as a result of detailed planning

High level of acceptance generated by strong customer involvement and the flexibility of the planning tool:

- Analysis of the current process and joint definition of the target process
- Joint successive tailoring of the planning tool toward daily planning challenges in an "iterative development phase"
- Extensive knowledge transfer
- Planners now identify with the planning system as their own tool
- Any user can generate flexible views by selecting data, filters, sorting and quantifiers in just a few clicks
- Experienced users can define complex analyses of the data stock to achieve full transparency regarding the necessary key production indicators



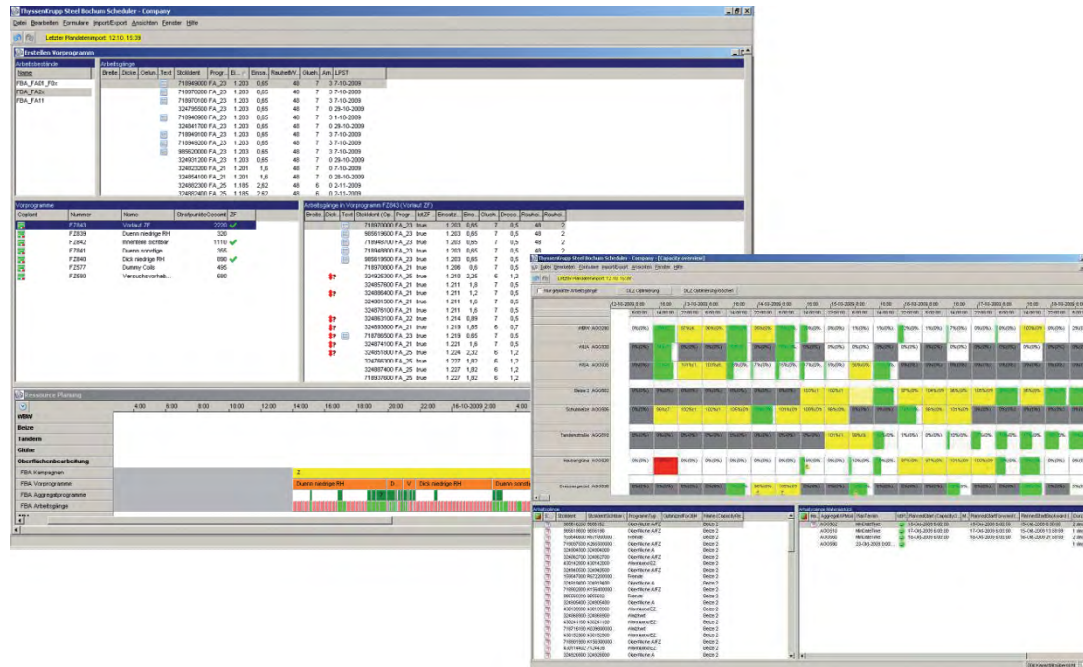
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Integrated production process planning and transparency are crucial to enable manufacturers to supply top-quality sheet metal on time and at competitive prices. Based on the standard industry solution, Quintiq has developed an integrated planning system for production units in the surface treatment department at the cold rolling mill in Bochum.

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The isolated planning systems previously used were replaced, and time-consuming work-arounds with manually produced spreadsheets are now a thing of the past.



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