Productivity evaluation and 3-D visualization of different investment scenarios of a shipyard

Problem
• The Canadian Government announced to renew the Canadian Navy and Coast Guard fleet and decided to accomplish a national qualification project.
• Partner shipyard plans to participate in the qualification project. Therefore a productivity increase is necessary.

Solution
• Benchmark of the current production system of the shipyard
• Evaluate productivity of investment scenarios by use of material-flow-simulation
• Modeling of the future production system in a 3-D environment

Benefit
• Knowledge about productivity increase of different investments as well as the dynamic behavior of the future production system
• Estimation of the positioning of the shipyard based on a benchmark study
• Visualization of different investment scenarios in 3-D