

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

10

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

