

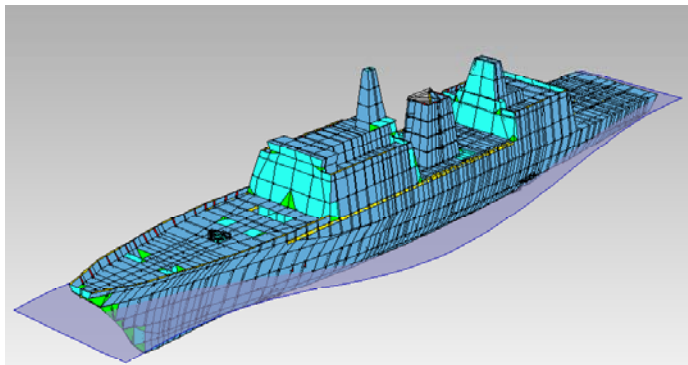
Structural Analysis of New Frigate for the Norwegian Navy

Structural study of the Norwegian alternative for New Frigates.

Client: Kværner Oil & Gas AS - Kongsberg defence & Aerospace AS - Umoe Sterkoder AS

The project includes following aspects:

- Design criteria - (loads and safety factors)
- Structural optimisation with respect to weight and production cost
- Fatigue
- Shock analysis
- Fragment protection
- Passive fire protection
- Radar signature
- Blast analysis
- Potentials by use FRP materials
- Structural solutions to details by using alternative materials



FE-model(MAESTRO) used for analyses



New Frigates with stealth technology for the Norwegian Navy