

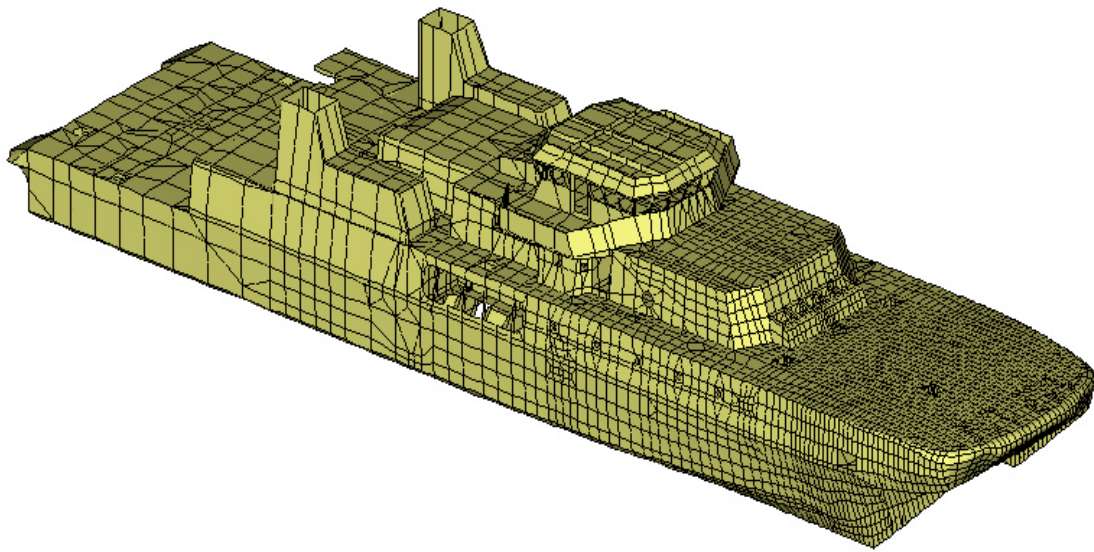
Mine Counter Measure Vessel (MCMV)

55 m GRP/sandwich air cushion catamaran

Client: Kværner Mandal AS
Built at Kværner Mandal AS

- Responsible for establishing drawing package
- Evaluation of "as produced" and theoretical values for GRP material properties
- Load calculation, environmental, functional and shock loads
- Local and global strength analysis including design
- Dynamic analysis of global behaviour
- Design and calculation of engine supports
- Design of supports for shaft bearing, dynamic and shock requirements
- Design and analysis of sonar gondola incl. attachments and joints
- Design and analysis of mast
- Design of supports for gun
- Design and analysis of water jet intake
- Design and analysis of pulley attachments
- Design and analysis of crane supports
- Design and analysis of supports for heavy equipment on the aft deck, shock loads included
- Analysis and design of sea chest
- Establishing turning procedure for GRP-hull during construction
- Evaluation of piping bulkhead penetration and cut-outs in structure
- Analysis and evaluation of parameters in docking procedure
- Evaluation of piping attachments for shock response
- Evaluation of non-conformance during construction
- Dynamic analysis of water jet, failure analysis
- Documentation

Marine Naval



FE-model of MCMV



Mine Counter Measure Vessel at sea