

Fast Patrol Boat (FPB (MTB))

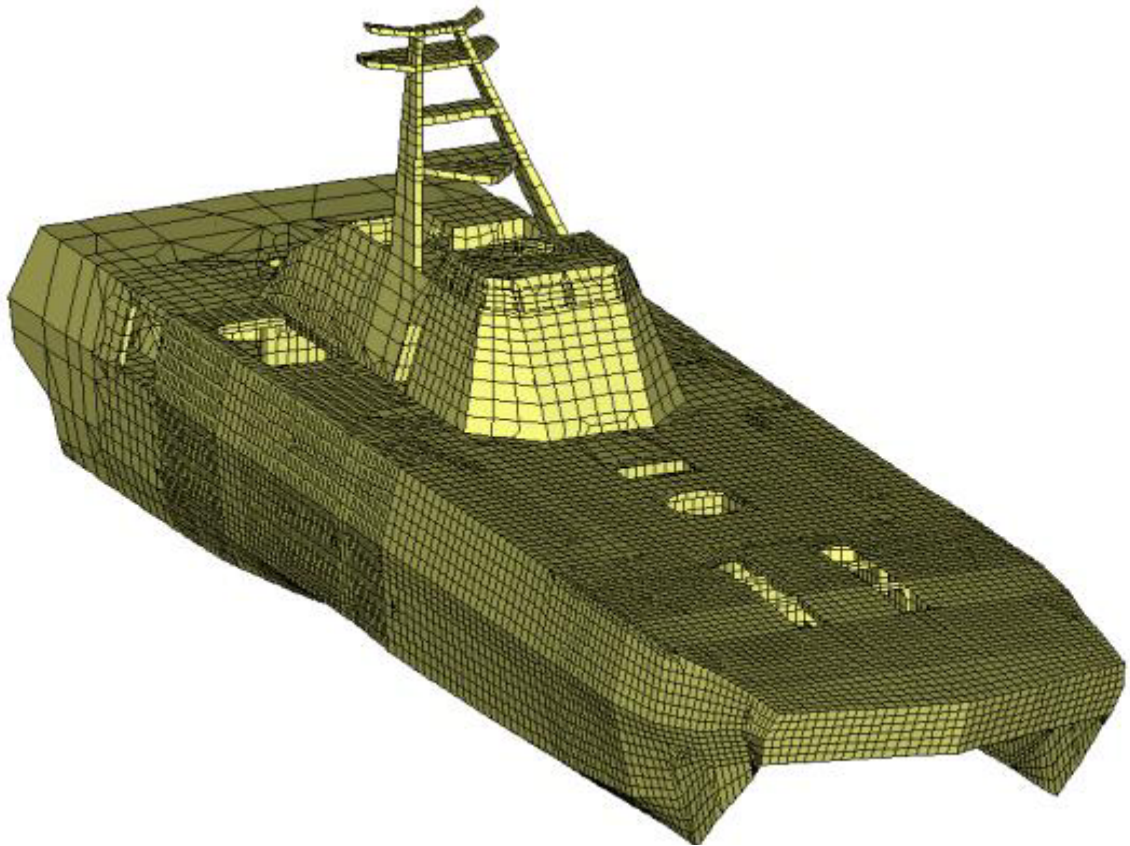
45 m FRP/sandwich air cushion catamaran

Client: Kværner Mandal AS

Built at Kværner Mandal AS

- Evaluation of "as produced" and theoretical values for GRP material properties
- Material testing
- Establishing mechanical properties as used for analysis
- Load calculation, environmental, functional and blast loads
- Local and global strength analysis and optimisation
- 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 mast and weapon sensor supports
- Design and analysis of supports for gun
- Structural design and analysis of water jet intake
- Design and analysis of pulley attachments
- 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 non-conformance during construction
- Responsible for design of passive Fire protection system
- Documentation

Marine Naval



FE-model of MTB

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Capable of +50 knots



Structural design and analysis of water jet intake by FiReCo

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