

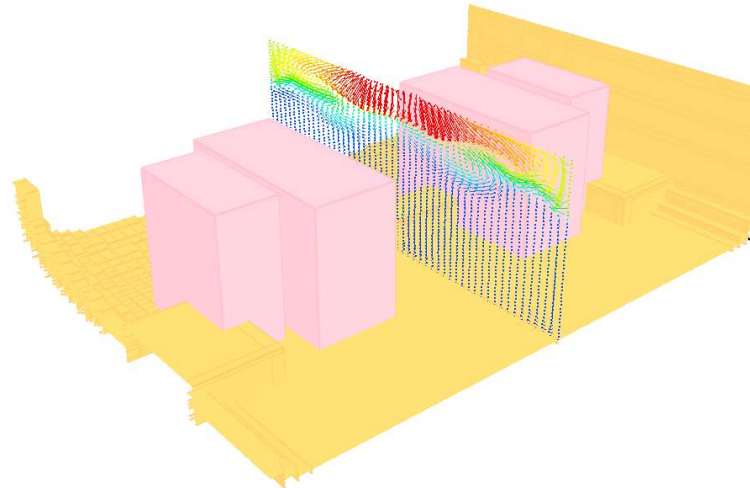
SURMA FIRE SIMULATION

Navy Combat Survivability Manager Application, **SURMA**, is a software tool for comprehensive combat survivability assessment.

SURMA fire simulation tool enables fast fire simulation model creation based on the actual ship product model, including geometry and materials. This ensures the simulation model has all the relevant features of the real product model.

If changes are made on the design, fire simulation models can be re-created within seconds. Results are exportable back to NAPA or other program for further analysis.

For the actual fire simulations SURMA uses FDS.



Advantages

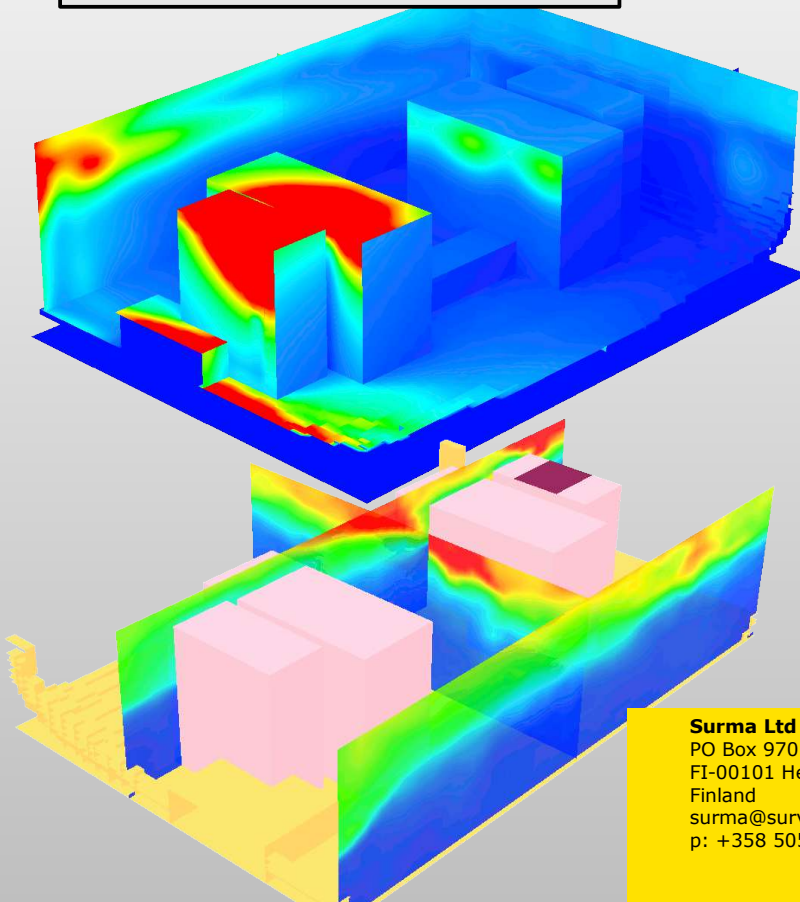
- Actual ship geometry and all relevant features
- Fast to generate
- Saves both work and calendar time

Features

- Geometry
- Materials
- Fire extinguishing systems
- Ship systems

Results

- Heat distribution
- Smoke and toxic gas spread
- Results are exportable back to NAPA for further processing



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