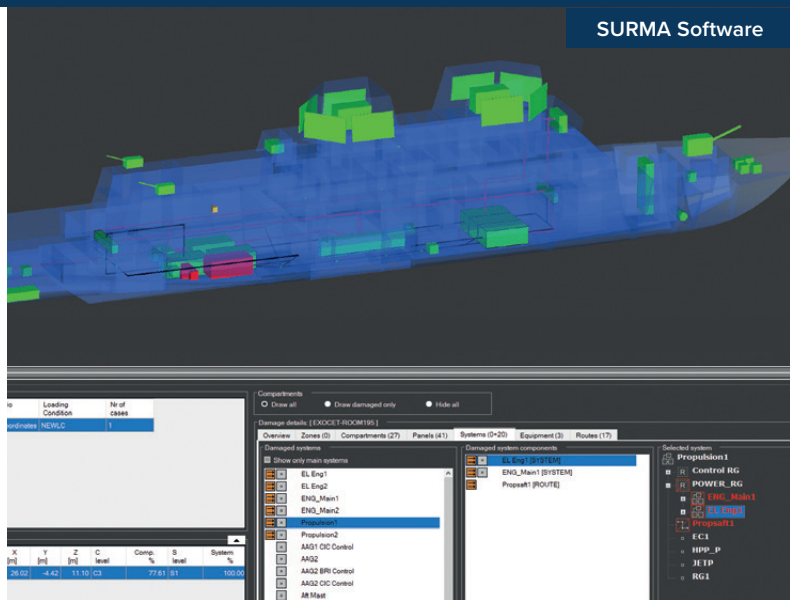
DEFENCE & AEROSPACE

SURMA

Validated explosion and weapon effects analysis

For Offensive Analysis

SURMA provides advanced, well-validated tools to assess air and underwater explosions. The software allows users to model the operational impact across a wide range of threat and attack scenarios. It is a comprehensive design and analysis software solution for evaluating weapon system performance against various targets while maximizing effects on adversary assets and protecting friendly forces and critical resources.



Results generated by SURMA can be used to define optimal impact points that maximize weapon system effectiveness against target systems. The results support survivability and force protection, improving the safety of personnel and critical systems. Furthermore, the analysis can be applied to improve the targeting and employment of unmanned and autonomous weapon systems.

Software Capabilities

- Import and utilize target design models
- Flexible and configurable weapon system modeling

Key Benefits

- Requires only an approximate target structural model
- Rapid, validated explosion vulnerability and damage analysis
- Easy and flexible scenario modification
- Support for multiple weapon systems
- Multi-domain applicability: sea, land and air

For more information

Offensive and Defensive Analysis

SURMA UNDEX	Underwater Explosion Analysis
SURMA AIREX	Air Explosion Analysis
SURMA MG	Magnetic Modelling
SURMA REPORT	Intuitive and Interactive Reporting Framework

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