

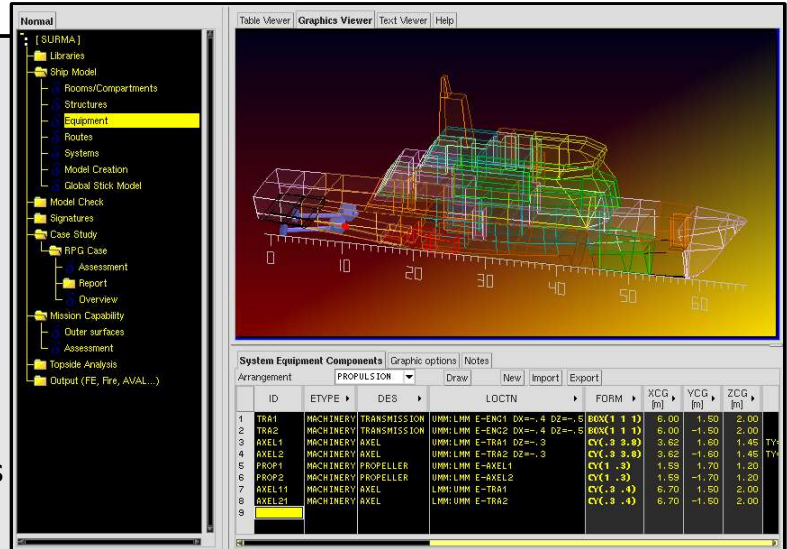
COMBAT SURVIVABILITY

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

SURMA takes into account compartmentation, structures, ballistic protection and all system features. Even without extensive detailed information of the vessel at the early stages of the design process, SURMA can estimate the comprehensive combat survivability level in threats from any number of conventional warhead detonation either inside or outside of the ship. Now the designer can start to optimize the mission capability and still simultaneously take into account all vital aspects of naval architecture and other safety requirements.

Our one model concept and comprehensive approach ensure that susceptibility, vulnerability and reparability can all be equally taken into account and all design changes can immediately be analyzed.

All calculation methods used in our assessments are validated against multinational full scale live fire trials.



Advantages

- Low level of input
- Fast to generate
- Quick reporting
- Reliable and accurate
- Comprehensive
- Saves both work and calendar time

Warheads

- Any conventional weapon
- AIREX, UNDEX, SURFEX

Results

- Damage spread
- Bulkhead rupture
- System analysis
- Mission readiness level
- Damage stability
- Residual strength
- Loss of crew life

Optimized
Survivability

Surma Ltd
PO Box 970
FI-00101 Helsinki
Finland
surma@survivability.fi
p: +358 5050 358 50

VAT no: FI20968932
NGAGE: A555G
BIC: NDEAFIHH
IBAN: FI74 1309 3000 2152 51
www.survivability.fi
f: +358 5080 515 007