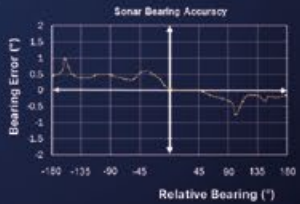
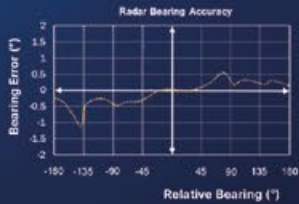
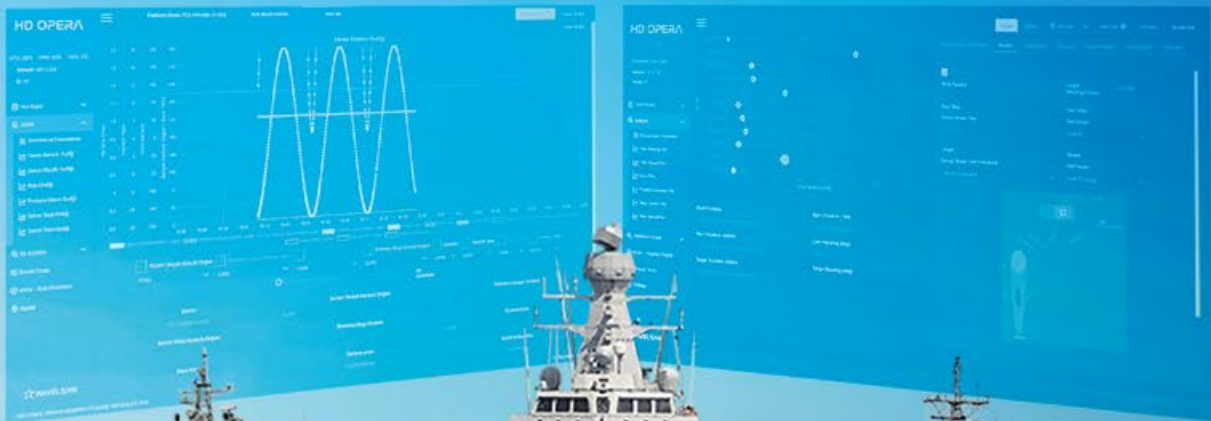


HD OPERA



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HD OPERA is a test system that evaluates the performance of systems used on naval platforms by comparing the measured bearing, range, speed, course, depth and position data with a reference system.



BENEFITS

- Operational performance measurements of acoustic and non-acoustic sensors
- Recording acoustic/non-acoustic data from various ship sensors and systems
- Comparison of own boat sensor measurements with external reference and/or other own boat sensors
- Analysis of measured data
- Performance control and comparison after overhaul, modernization and/or newship construction
- Sensor/system interface controls
- Shortens the sea acceptance testing period, saves time and budget

GENERAL FEATURES

- Ship turning radius measurement
- Ship maximum speed performance measurement
- Sensor bearing and range accuracy measurement
- INS Gyro installation accuracy measurement
- Depth measuring devices accuracy measurement
- 360° sector analysis for sensor measurement performance as installed on-board ship

KEY FEATURES

- Online or Offline analysis
- Comparative performance analysis
- Information entry and recording
- Real-time data visualization with marking and annotation during recording
- Manual data entry
- Preset analysis templates
- Selectable parameters for the sensors to be analyzed
- Parallax correction
- Sound velocity correction for acoustic sensor measurements
- Threshold value entry for analysis results