



## **COLDS® NGB**

### Laser ESMS System for Ships

**COLDS® NGB has been designed for naval applications. The system detects laser range finders, laser target designators and laser beam riders with an excellent efficiency in all bearings.**

Each COLDS® NGB sensor unit covers more than 180° in azimuth and 90° in elevation. Therefore, a full coverage of 360° in azimuth can be obtained for each cluster, with two sensors installed on starboard and portside. Depending on the size of the ship the system allows a configuration with up to 16 sensor units to ensure full protection of the platform.

COLDS® NGB system provides:

- In-time warning with low FAR against LRF, LTD and LBR
- Multiple simultaneous detection and tracking, report of up to 8 threats
- High reliability due to low numbers of LRUs
- Full platform coverage

# COLDS® NGB

## Completes the self-protection capability

### Key Features

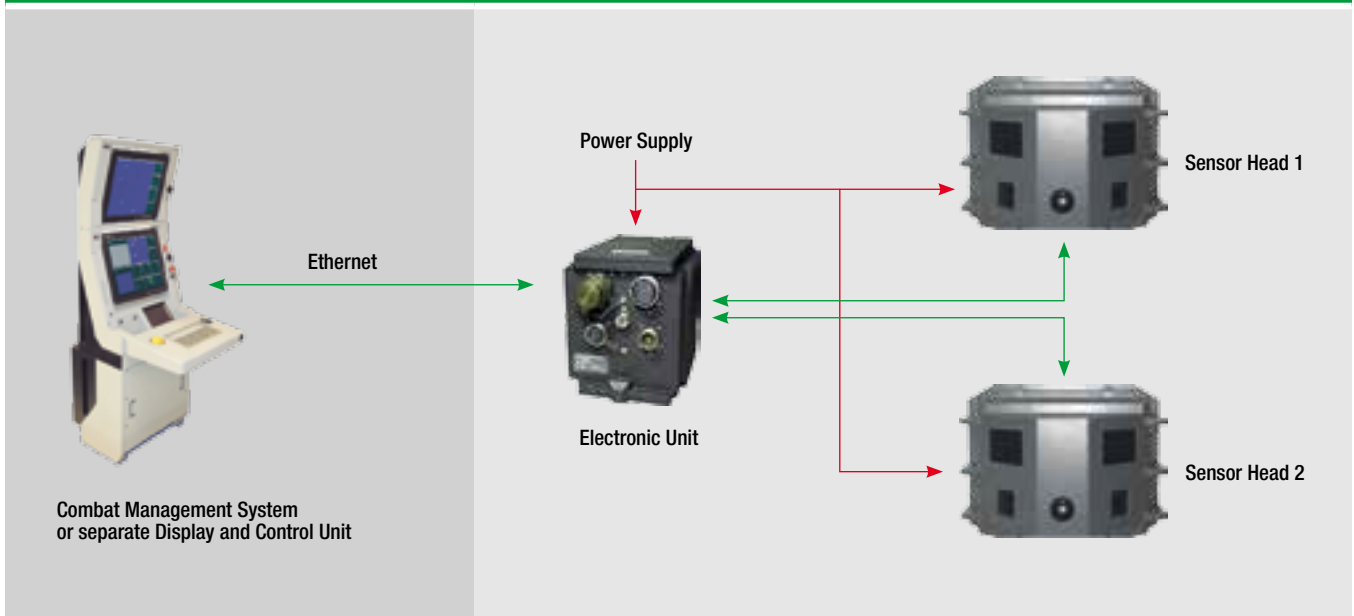
- Detection of laser sources from laser range finders (LRF) and laser target designators (LTD) with a very high angle accuracy
- High sensitivity to the detection of laser beam rider (LBR) sources allows in-time warning for countermeasures
- Easy integration into existing and future electronic warfare suites using standard interfaces

- Up to 16 sensors can be installed to cover very long platforms
- Identification of laser type via library

### References

COLDS® systems are in service on ships with different customers worldwide. Reference platforms are for example: Oste Class 423, Hamina-Class, Meko® A-200, Hämeenmaa-Class and Rauma Class 70-73.

### System Overview



Specifications	COLDS® NGB
<b>Field of view (per sensor head)</b>	<ul style="list-style-type: none"> <li>• 182° AZ, +/- 45° EL</li> </ul>
<b>Angle accuracy</b>	<ul style="list-style-type: none"> <li>• 2° RMS in azimuth for LRF and LTD</li> <li>• 26° RMS in azimuth for LBR</li> </ul>
<b>Wavelength</b>	<ul style="list-style-type: none"> <li>• 0.5 µm - 1.65 µm (LRF/LTD)</li> <li>• 0.8 µm - 1.1 µm (LBR)</li> </ul>
<b>Multi-threat capability</b>	Up to 8 threats reported
Dimensions and Weight Sensor head (excl. connectors)	COLDS® NGB Sensor Head / Electronic Unit
<b>Depth</b>	138 mm / 200 mm
<b>Height</b>	189 mm / 260 mm
<b>Width</b>	234 mm / 200 mm
<b>Weight</b>	< 4 kg / < 9 kg