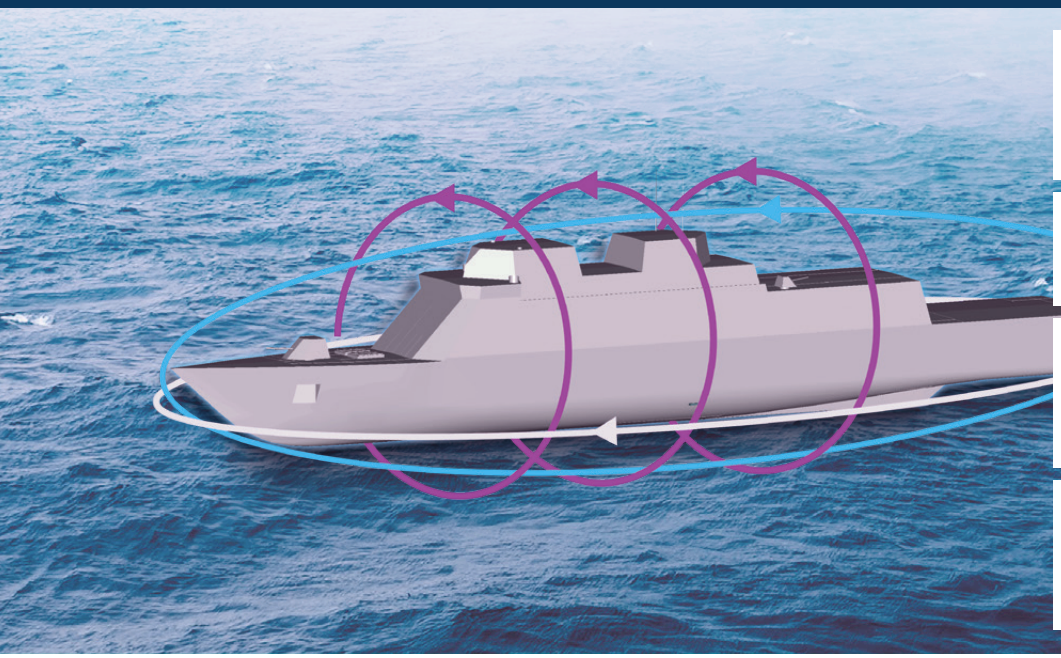
DEFENCE & AEROSPACE

RAHKO

Degaussing System for Ships and Submarines

RAHKO Degaussing System is designed to minimize the ship's magnetic signature allowing operations under mine threat.



NEW PROJECTS
Degaussing coil design, design verification and construction oversight

TURNKEY
Complete system deliveries

LEGACY UPGRADES
Utilize existing coils and cabling, and reduce the control unit footprint

INTERFACES
System integration to ship navigation system

Modern Mine Threat

In modern naval mine warfare, the magnetic signature is one of the main triggers of naval mines. The mine detects the increase in magnetic field when the steel in a ship concentrates the Earth's magnetic field over it. RAHKO Degaussing System is designed to minimize the ship's magnetic signature allowing operations under mine threat.

Reliable and Redundant

DA-Group has strong expertise in degaussing and degaussing system in general. RAHKO is a scalable redundant system with modern multi-parameter control. The system is cost effective and easy to maintain. The system offers reliable minimization of the ship's magnetic signature in all navigation conditions.

RAHKO Design

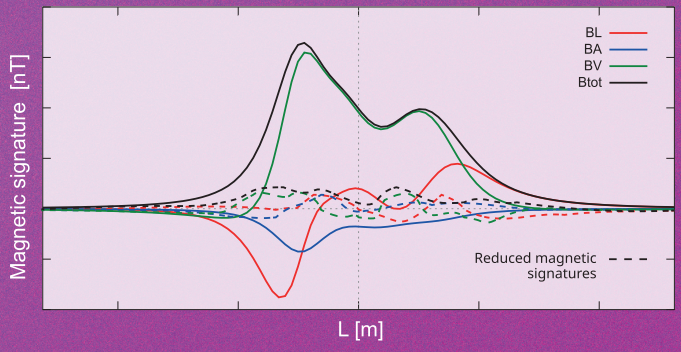
The design of a new-built ship begins with the identification of its ferromagnetic parts. The magnetization of these objects is modelled or measured, then degaussing coil cabling is designed on basis of these parameters. In onboard installations M, A and L-coils are used to neutralize magnetization in all three dimensions.

Interfaces and Integration

The system integrates to ship navigation system for ship position, heading and attitude data. When combined with world magnetic map, the system can operate accurately even without the magnetometer input. The system can be interfaced to IPMS and deliver system status data with requested level of detail.

For more information

Typical Reduction in Magnetic Signature is around 90 %.



DA GROUP

Kassimäenkatu 2,
30300 Forssa, Finland

sales@da-group.fi
+358 29 080 0900

www.da-group.com