

Magnetic Treatment & Deperming

Post Build Reduction of Submarine and Surface Ship Signatures



Key features

- Close Wrap Transportable,
- Redeployable and Fixed systems
- Over-run ranges
- Data Acquisition systems
- Signature analysis software
- Coil current prediction capability:
- Flash D, anhysteretic or other treatment methodology
- Integrated P/I coil

The Magnetic Treatment System provides:

Proven through-life signature reduction capability
Flexible treatment of both submarines and surface fleet
Can be disassembled for storage to reduce dockyard footprint
Transportable option for temporary use at any site
Diesel power option available to reduce reliance on site facilities
RTK GPS for tracking and signature accuracy
Can determine vertical perm and induced hull magnetisation
Data format integrates directly with TRANSMAG range software

Operation Performance Summary

Physical Characteristics

Magnetic Field levels up to 15mT (close wrap)

Higher field levels for over-run configurations

Permanent/Induced (P/I) coil included for determination of vertical magnetisation components

Ultra Maritime offers:

Deep Water Acoustic arrays

Redeployable Deep Water Acoustic arrays

High performance Magnetic Sensors

High performance Electric Field Sensors

Underwater Electro-Magnetic Sensor Packages

Magnetic Heading sensors

Magnetic Measurement Ranges

Land Range Systems

Roll and Stray Field Ranges

ROV Ranges

Multi-Influence Measurement Ranges:

- SM & AM magnetic
- SE & AE electric
- Acoustic
- Pressure
- Seismic

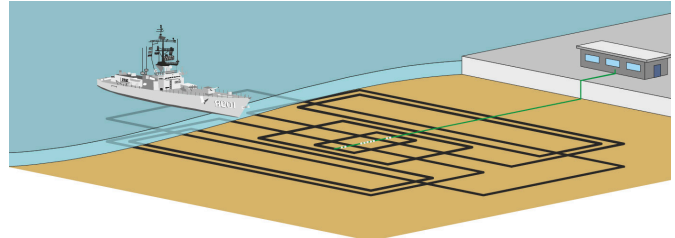
Submarine moored for treatment



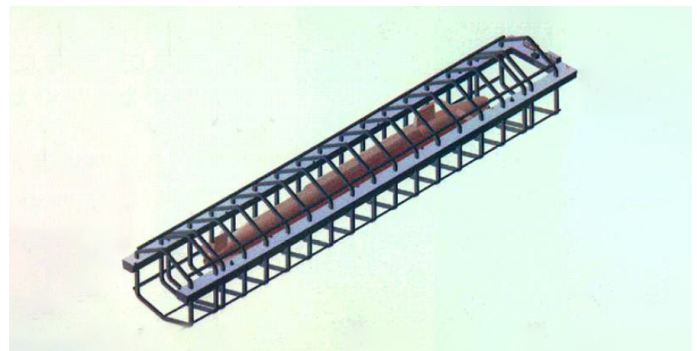
Transportable Containerised Deperming Power Option



Over-run Deperm Facility



Drive-in Facility



Other options are available to suit customer specific requirements.



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