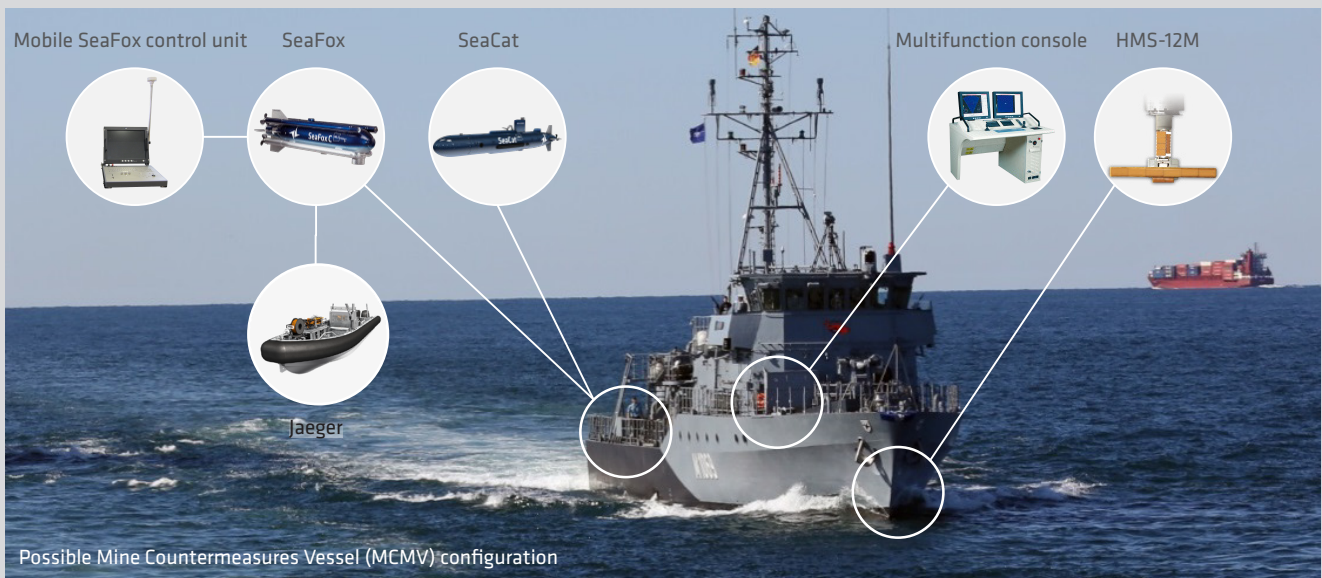




IMCMS – Integrated Mine Countermeasures System Countering the Mine Threat Effectively



Maritime power projection requires the rapid and effective deployment of operational forces and from alongside to sea. The presence of sea mines can greatly impede the deployment of such units. Modern naval forces must therefore be able to respond flexibly and sustainably to this threat.

Flexibility is achieved in particular by the mixed use of manned and unmanned craft such as the autonomous underwater vehicle (AUV) or the unmanned surface vehicle (USV). The unmanned systems can be used both from dedicated platforms as a useful supplement and from modular capability carriers. In this way, they unfold their advantages in terms of efficiency and additionally reduce the personal risk to a minimum. With comprehensive package solutions for the detection, classification, identification and disposal of all types of mines, naval forces can thus be equipped with a modern and effective mine warfare system.

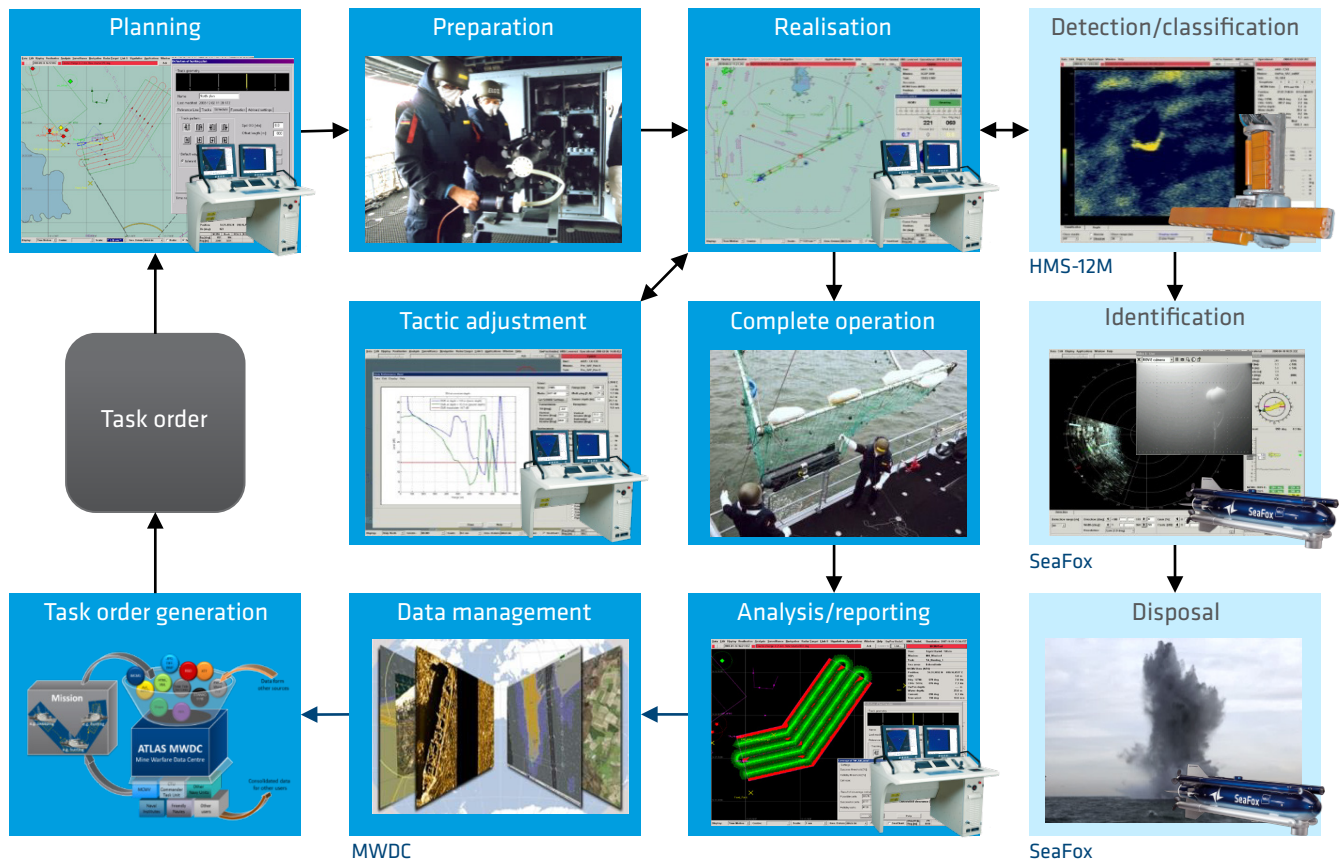
IMCMS composes the framework of diverse Mine Countermeasure (MCM) system allowing to conduct operations efficient and precisely in accordance to the established MCM workflow.

... a sound decision



IMCMS

From Sensor to Shooter



MCM TOOLBOX

- Minehunting with onboard assets
- Minehunting with deployable assets
- Influence minesweeping
- Route survey
- Minelaying

FUNCTIONALITIES

- Mission management and task planning
- Asset (USV, AUV, ROV, towed sonar, HMS) management

INTEGRATED SIMULATION

- Tactical team training
- Environment simulation
- SeaFox simulation
- Sonar simulation
- MCM asset behaviour simulation

ADVANCED SYSTEM FUNCTIONS

- Persistent object data management
- Sonar performance modelling
- Sonar coverage assessment
- Task element management
- Performance prediction and analysis

MWDC (MINE WARFARE DATA CENTRE)

- Persistent object data management
- Documentation of MCM and route survey operations
- Task order generation and mission plan management for MCM assets

MISSION MODULE

- Autonomous and remote-controlled MCM assets
- COTS-based
- Scalable and modular
- For reduced space and weight

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