

Next Generation Naval Mine Countermeasures Challenges and Conceptual Alternatives

The Norwegian Ministry of Defence is presently conducting conceptual studies to investigate alternatives for the next generation Mine Countermeasures Systems for the Norwegian Navy. The studies, to be concluded late 2016. Selection of preferred concept to take place in 2017. New MCM Systems should be initial operational capable not later than 2025.

All new alternatives, currently under discussion, expects to utilize technologies based on a high degree of autonomy and Remote Controlled Underwater and Surface Systems.

This presentation intends to give insight to what Naval Mine Countermeasures are about, and why this capability is a necessary integral part of most naval operations. With twenty years of experience operating modern and complex MCM Vessels and through the continuous strive for developing and adapting new technologies; the Norwegian MCM Service has a solid basis to present key factors affecting Future Concepts.

Lectures and assessment by:

Captain (N) Bjørn-Erik Marthinsen,
The Norwegian MCM Service

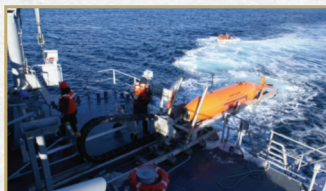
Research Man. Morten Nakjem,
The Norwegian Defence Research
Establishment



Stiftet 1835



Remote Mine Destruction System
- Minesniper.



Autonomous Under Water Vehicle
launched from Mine Hunter Vessel.



Mine Diver preparing demolition
- EOD action.

Norway's Future Submarine Capability

How can Norway's most Important Military Strategic Asset be utilized to effect in the future?

Key stakeholders and scholars share their thoughts with the Naval League.

These are:

- Lt General Rune Jakobsen, Commanding Officer Norwegian Joint Headquarter
- Captain (N) Olav Andreas Dahle, The Norwegian Submarine Service
- Mr Jon-Mikal Størdal, Dir Gen, The Norwegian Defence Research Establishment
- Sr Scientist Ståle Ulriksen, Adjunct Professor, Research Fellow and Lecturer at The Royal Norwegian Naval Academy and Norwegian Institute of International Affairs

Purpose: *To increase the interest for, and understanding of, the submarine capability and the role of the submarines.*

1. Focus areas

The seminar will emphasise on:

- Continuous submarine capability
- Deterrence, counter reaction and contribution to ensure Allied reinforcements
- Availability – number of submarines

2. The attributes of the submarines

A submarine has a set of inherent

characteristics which makes it a unique military asset, - which includes:

- Stealth
- Endurance
- Fire power
- Being asymmetric
- Range
- Autonomy
- Robustness



Sea Power Conference
- where generations should meet

www.sms1835.no

