KONGSBERG

Kongsberg Defence & Aerospace

Protechting people and planet

Precision Strike against Sea & Land.
NSM-JSM Missiles from KONGSBERG.

Mission statement

The Concept of NSM and JSM

- Low Radar Cross Section (RCS)
- Sea Skim/Super Sea Skim
- High-G End Game Maneuvers
- Autonomous Target Recognition (ATR)
- Survivability in a denied environment

Immedate firepower to defeat high value targets at sea and land at ranges beyond 300 km (162 nm)

NSM

– Naval Strike Missile

NSM provides superior operational performance and high survivability against all enemy soft and hard kill defence systems.

NSM provides the following key operational features:

- Strike capability against sea and land targets
- Excellent penetration capability against advanced enemy air defence systems
- Ship class identification through Autonomous Target Recognition (ATR)

NSM Performance

NSM has successfully demonstrated its capabilities in challenging tests, including:

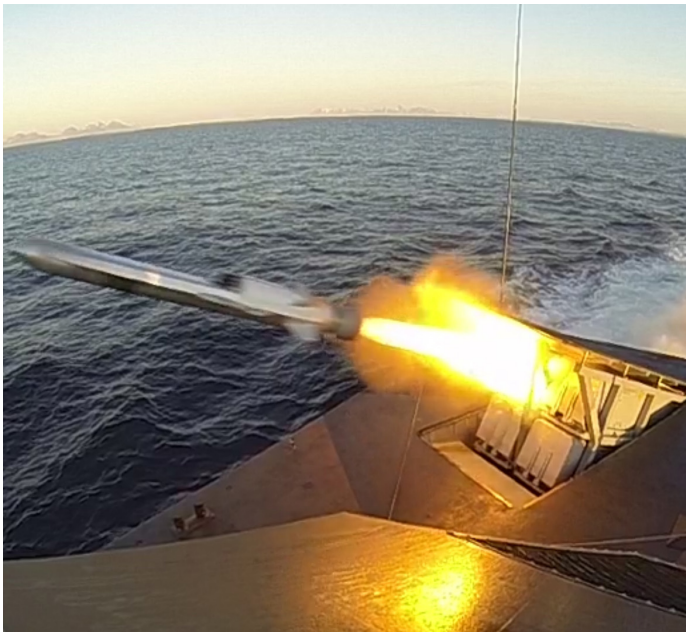
- Missile approach from over land against targets close to shoreline
- Attack from the sea with target close to shoreline
- Precision land attack
- Autonomous Target Recognition (ATR)
- Extreme maneuverability

NSM Status

- NSM is the main weapon for the Royal Norwegian Navy's frigates and coastal corvettes

"Stealth and ATR for the future"

NSM & JSM is selected by:



NSM Missile Characteristics

Speed	:	High Subsonic
Weight	:	407 kg (897 lbs)
Length	:	3,96 m (156 in)
Range	:	> 300 km (162 nm)

Survivability
The NSM has very high survivability against modern Air Defence systems.

This is accomplished by the following:

- Passive sensors
- Very low signature
- Extremely low sea skimming altitude
- Terrain following flight
- High agility with selectable end-game flight profiles
- Very precise designated time-on-target

High resolution imaging infrared seeker provides ATR and precise hitpoint for each ship class. Thrust to weight ratio above 1 and high-g programmable endgame maneuvers provide unsurpassed defence penetration capabilities.

JSM

– Joint Strike Missile

The JSM is based on the well-proven and modern technology of NSM. The qualification and integration is completed and funded by the Royal Norwegian Air Force (RNoAF).

The JSM operational analysis and design process has focused on the following key operational capabilities.

Survivability
- Passive sensors
- Extremely low sea skimming altitude
- Terrain following flight
- High agility with selectable end-game flight profiles
- Very precise designated time-on-target

Lethality
- Precise Aimpoint
- Warhead Effect
- Collateral Damage Mitigation

“based on 50 years of missile experience”

Target Selectivity
- Target Detection & Identification
- Autonomous Target Recognition (ATR)
- Target Discrimination (in cluttered environment)
- ROE Compatible

JSM & NSM is selected by:

JSM Missile Characteristics

Speed	:	High Subsonic
Weight	:	416 kg (917 lbs)
Length	:	4.00 m (156in)
Range	:	> 350 km (189 nm)

NSM & JSM

KONGSBERG is an international corporation with strong Norwegian roots. Collaboration with our customers, partners and suppliers, and a commitment to understand the context where our technology is applied, are important driving forces behind the corporation´s international development and growth.

KONGSBERG

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KONGSBERG provides state of the art missiles for ships, vehicles, helicopter, and fighter aircraft