



KONGSBERG

NSM-JSM MISSILES

Precision Strike against Sea & Land targets



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



WORLD CLASS
- through people, technology and dedication

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 (ATR) through Autonomous Target Recognition

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
- Selected by the US Navy, US Marine Corps, Poland, Romania, Canada, Germany, Australia, Malaysia and Spain



- Stealth and ATR for the future

NSM Missile Characteristics

Speed	:	High Subsonic
Weight	:	407 kg (897 lbs)
Length	:	3,96 m (156 in)
Range	:	> 185 km (100 nm)

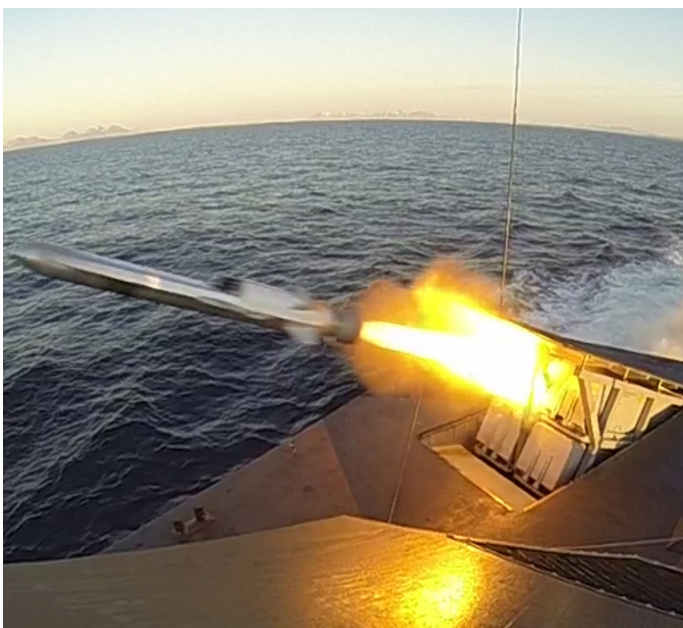
Survivability

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

This is accomplished by the following:

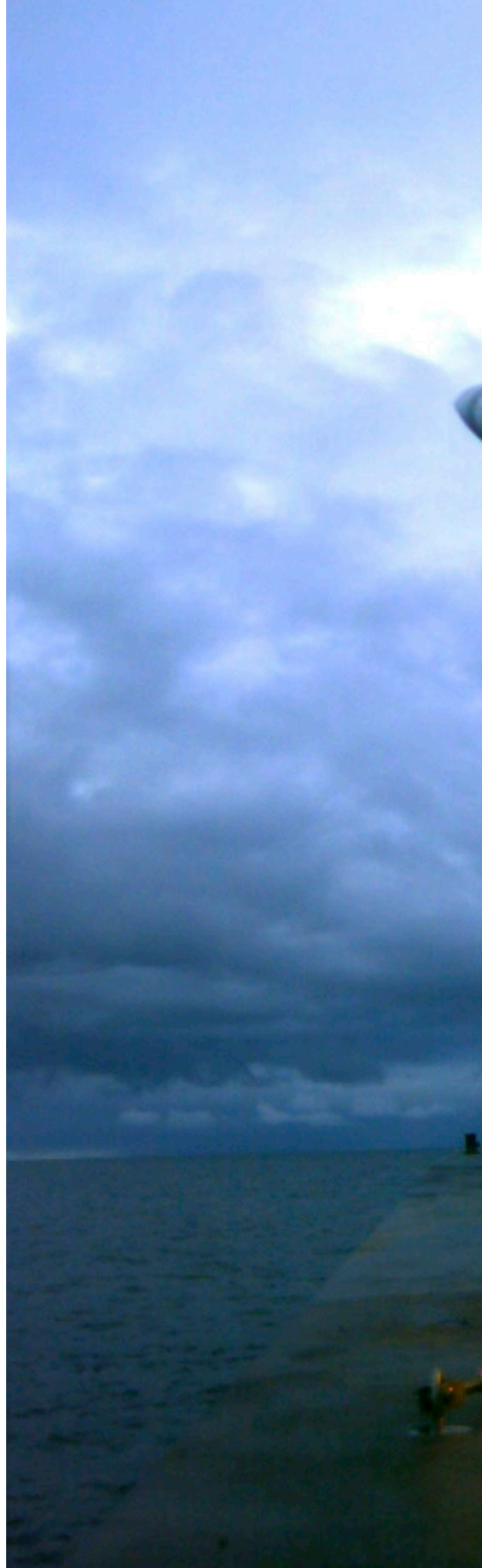
- Passive sensors
- Very low signature
- Extremely low sea skimming altitude
- Terrain following flight
- High agility with selectable end-game flight profiles
- Very precise designated time-on-target

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.



The Concept of NSM and JSM

- Low RCS
- Sea Skim/Super Sea Skim
- High-G End Game Maneuvers
- ATR
- Survivability in a denied environment





JSM

- Joint Strike Missile

The JSM is based on the well-proven and modern technology of NSM. The qualification and integration is well underway 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

Target Selectivity

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

Lethality

- Precise Aimpoint
- Warhead Effect
- Collateral Damage Mitigation



- based on 50 years of
missile experience



JSM Missile Characteristics

Speed	:	High Subsonic
Weight	:	416 kg (917 lbs)
Length	:	4.00 m (156in)
Range	:	> 275 km (150 nm)



SURVIVABLE
PRECISION
STRIKE BASED
ON 50 YEARS OF
MISSILE
EXPERIENCE

NSM

Naval Strike Missile

&

JSM

Joint Strike Missile

WORLDWIDE OPERATIONS

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.



Worldwide Operations

KONGSBERG is an international corporation with strong Norwegian roots. Collaboration with our global customers, partners and suppliers is essential to our success. Together, we develop a clear understanding of customer requirements and their anticipated operational environments to develop technological solutions. This process has a proven efficiency in driving our corporation's international success.

Support in the Extreme

KONGSBERG delivers to improved safety, security and performance in demanding and complex missions. We achieve this through an in-depth knowledge of our customer's objectives and the needs of the operator, and by meeting their challenges with the right systems, services and technological solutions.



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