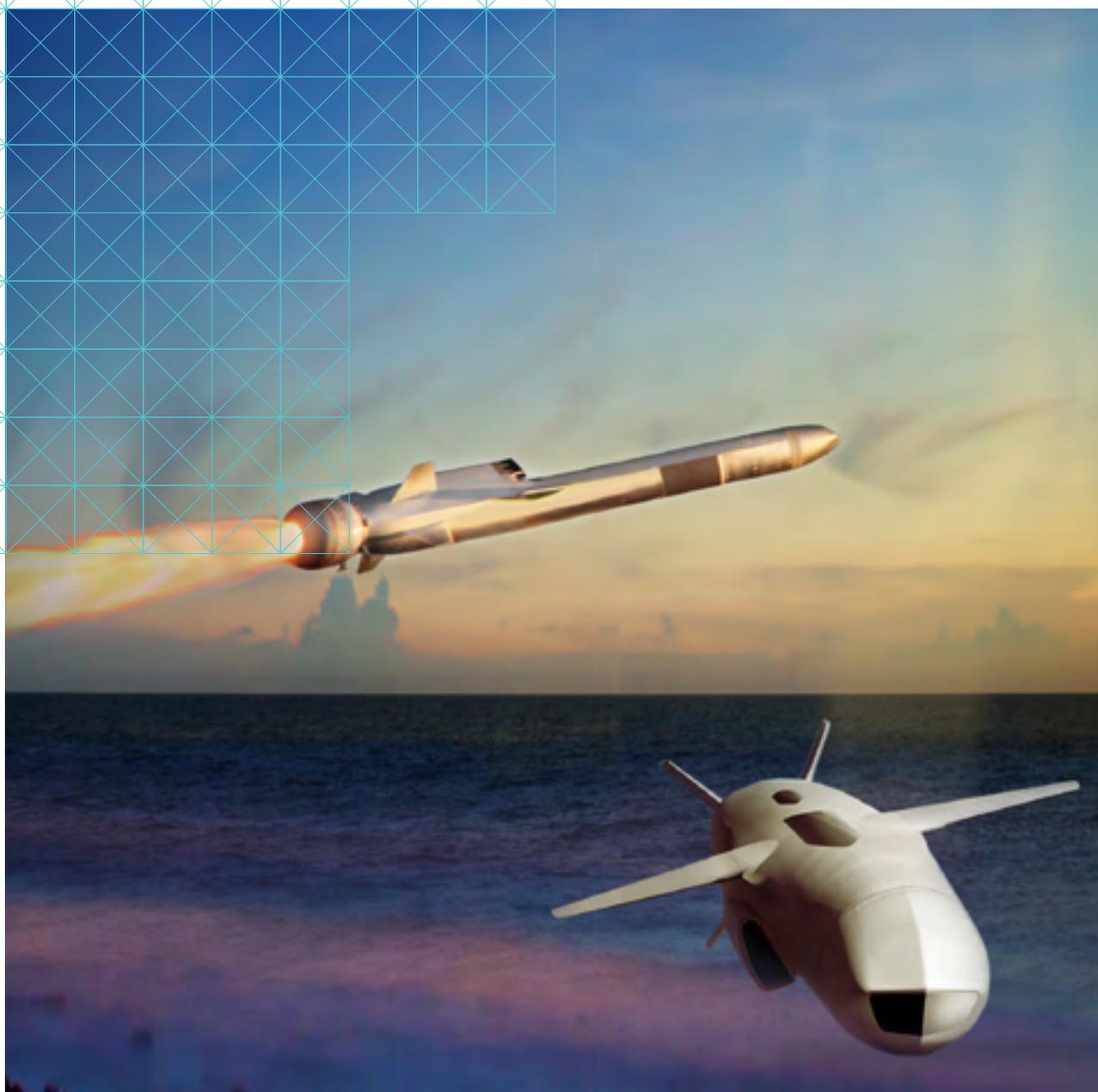




KONGSBERG

# NSM-JSM MISSILES

Precision Strike against Sea & Land targets



- KONGSBERG provides  
state of the art missiles  
for ships, vehicles,  
helicopters, patrol 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:

- Operational range exceeds 100 nm
- 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 Norway's frigates and coastal corvettes
- Operational in the Royal Norwegian Navy and the Polish Navy
- In production for the US Navy, US Marine Corps and the Royal Malaysian Navy.



## - Stealth and ATR for the future

### Missile Characteristics

Speed	:	0.7 - 0.95 Mach
Weight	:	407 kg (897 lbs)
Length	:	3,96 m (156 inches )
Agility	:	High
Range	:	> 100 nm
Responsive	:	- Rapid automated mission planning – short reaction time

### 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, the 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
- 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

### **Lethality**

- Precise Aimpoint
- Warhead Effect
- Collateral Damage Mitigation

### **Target Selectivity**

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



- based on 50 years of  
missile experience



#### JSM Missile Characteristics

Speed	:	High Subsonic
Weight	:	416 kg ( 917 lbs)
Length	:	4.00 m (157 in)
Height	:	0.52 m (20.4 in)
Width	:	0.48m (18.9 in ) (Stowed)
Agility	:	High
Range	:	>100 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.





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