

NSM™ CDS

NAVAL STRIKE MISSILE™ COASTAL DEFENCE SYSTEM



KONGSBERG



NSM™ CDS

Naval Strike Missile™ Coastal Defence System

High Precision Strike Capability

The Coastal Defence System (CDS) is a high-performance, ground-based Surface-to-Surface Missile (SSM) system designed to defeat heavily defended maritime and land targets. This system offers a proven, cost-effective solution for denying hostile forces access to strategic areas. With minimal assets and a low signature, the CDS covers a vast area, delivering the unparalleled impact of the fifth-generation Naval Strike Missile (NSM).

Engagement Capabilities

The network-centric architecture enables sophisticated mission planning, simultaneous engagements, and over-the-horizon (OTH) targeting. By linking multiple Mobile Launch Vehicles (MLV), CDS ensures flexible deployment, allowing for coordinated salvos with designated time on target. With the extreme capabilities of the NSM, the CDS coordinates engagements in complex combat environments, maximizing both effectiveness and friend protection.

Naval Strike Missile

The effector of the CDS is the highly capable NSM, a long-range precision strike weapon that targets enemy ships and land targets over distances greater than 135 nautical miles (250 km). It is a fifth-generation missile with extreme penetration capabilities, designed for a high kill probability in challenging naval scenarios. NSM can be launched from land, sea, and air platforms.

NSM CDS features

High Precision Strike Capability:

- Proven, cost-effective solution
- Denying hostile forces access to strategic areas.

Advanced Network:

- Flexible IP-based network
- Supporting multiple engagements
- Over-the-horizon (OTH) targeting.

Engagement Capabilities:

- Network-centric architecture
- Sophisticated mission planning
- Coordinated attacks with the unprecedented Naval Strike Missile (NSM).

Mission Versatility:

- Flexible deployment
- Designed to defeat a wide range of maritime and land targets

Proven NATO Interoperability:

- Supports operations with NATO, EU, and other international forces.

NSM™ nations:



CDS nations:



Advanced Network

CDS operates within an advanced, flexible IP-based network with plug-and-fight capabilities, supporting multiple simultaneous engagements and over-the-horizon (OTH) targeting. The Fire Control Center (FCC) is the primary operator interface for Surface-to-Surface Missile (SSM) missions.

The CDS use both current and future Tactical Data Links (TDLs) like Link 16, Link 22, and JREAP, along with terrestrial networks and KONGSBERG Satellite Communication (SATCOM). Unlike other systems, CDS doesn't depend on a high-speed updated network. It can connect to a national coastal radar chain to enhance Situational Awareness (SA) by integrating both maritime and air pictures. The modular hardware and software ensure cost-effective growth in command and control systems, sensors, and effectors, while its open architecture allows flexible future configurations.

Mission Versatility

The primary mission of the CDS is maritime strike against sea targets, ranging from small, light ships made of Glass Fiber Reinforced Plastics (GFRP) to larger naval combatants like destroyers and frigates. The system also handles land targets using military GPS, with optional seeker-assisted land attack capability. Typical targets include stationary, soft targets like depots, command and control facilities, sensor sites, and air defense sites. Ships secured alongside jetties are also considered land targets, enabling high precision harbor attacks.

Proven NATO Interoperability Supporting OTH Operations

The CDS has proven NATO interoperability, enabling it to operate with NATO, EU, and other national forces in multinational operations and exercises.

Key Elements

- **Fire Control Center (FCC):** Manages fire control and Battle Management Command Control Communication Computers and Information (BMC4I).
- **Missile Launch Vehicle (MLV):** Canister-protected platform with the Naval Strike Missile (NSM).
- **Naval Strike Missile (NSM):** A fifth-generation, long-range precision strike weapon featuring cutting-edge stealth technology and extreme penetration capabilities.
- **Tactical Data Links (TDLs):** Utilizes current and future TDLs such as Link 16, Link 22, JREAP. Can also use KONGSBERG Satellite Communication (SATCOM).
- **Modular Hardware and Software:** Cost-effective growth in command and control systems, sensors, and effectors, with an open architecture for flexible future configurations.

