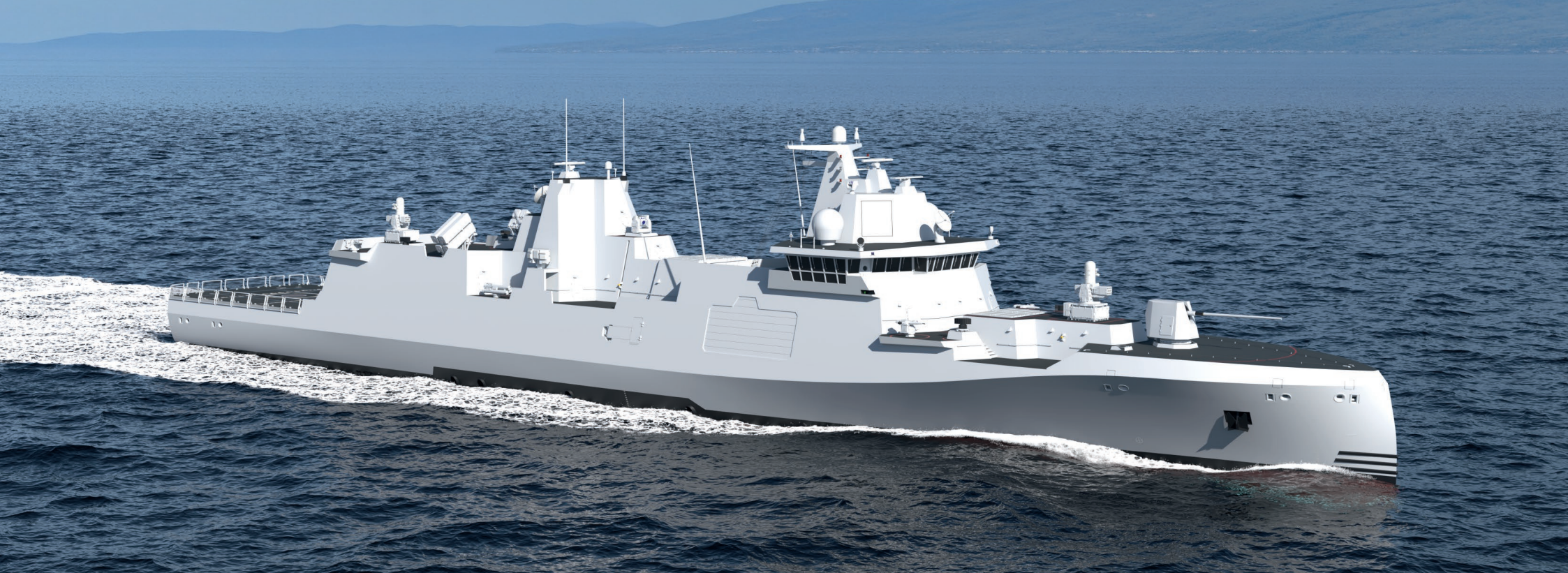




GUIDED MISSILE FRIGATE **GMF 140**

SUPERIORITY ACROSS EVERY MARITIME DOMAIN

The GMF 140 is a versatile multirole frigate optimised for a wide range of missions in modern naval warfare. At 140 metres in length, it combines high combat capability and exceptional operational flexibility with a compact design. Its primary focus is the protection of naval task groups through advanced air defence capabilities (AAW), including the ability to counter ballistic missile threats (BMD). At the same time, it is equipped with modern anti-submarine warfare (ASW) and anti-surface warfare capabilities (ASuW). This combination enables the GMF 140 to effectively counter threats across all maritime warfare domains, making it a highly capable platform for missions worldwide.

TAKING RESPONSIBILITY IN A CHANGING WORLD



AIR DEFENCE AND ESCORT FRIGATE

CAPABILITIES AT A GLANCE

Multirole Functions

- AAW frigate
- ASW frigate
- ASuW frigate
- Task group protection
- Task group command
- Embargo monitoring and enforcement
- Naval mine laying

Capabilities as per NATO Bi-SC Capability Codes and Capability Statements

- | | | |
|-------------|----------------|--------------|
| • NGPMV | • SATCOM | • FMN |
| • NMIO | • JFAS | • FFIT |
| • NWC-S | • MACC-SUR | • GIS |
| • NAAW | • LRHF | • SBAMD-TC |
| • NASUW-SUR | • MFAS | • NMWL |
| • NRW-ASW | • CIS-MARITIME | • CY-DEFENCE |
| • NRW-ASUW | • TCCC | • METOCSUP |
| • NCTG-SUR | • METOC(SYS) | |

DATA AND INFORMATION – GMF 140

General

Type Guided Missile Frigate

Classification ✖ 100 A 1
Ice Class 1C FS
✖ LMC, PSMR, UMS

Flight Facilities

Flight deck MH-60 and NH90

Hangar 1× MH-60/NH90

UAV hangar 2× UAV

Dimensions and Crew

Displacement 6,000 t

Length 138 m

Beam 20 m

Draught 5.4 m

Crew Up to 120

Propulsion

Hybrid CODAD

Total power 38,000 kW

Propellers 2× CPP

Speed 30 kn

Capabilities

Operational endurance of 30 days

Low-signature optimised

CBRN defence

Replenishment at sea
(abeam and stern)

Innovative traversing system for containers

4× SPY-7 radar system

2× CW SPG-62 fire control radar

1× ESM/ELINT system

2× X-band navigation radar, incl. IFF

1× S-band navigation radar

2× EO / IR surveillance and tracking system

1× 360° EO / IR fixed surveillance system

1× video surveillance system

1× underwater communication system

1× TB-37 towed array sonar

1× SQS-53 hull-mounted sonar

Weapons

2× 32-cell strike-length MK41 VLS

8× NSM SSM

1× MK45 5" gun

2× SeaRAM

2× triple torpedo launcher

4× 30 mm RWS

1× SLQ-32 EW / ECM system

4× MASS

