



GUIDED MISSILE FRIGATE **GMF 120**

SHAPING THE FUTURE OF **NAVAL POWER**

The GMF 120 is a next-generation multirole frigate, purpose-built to meet the demands of modern three-dimensional naval warfare. Measuring 120 meters in length, it combines a compact platform architecture with exceptional combat capability and outstanding operational flexibility. As a highly capable escort vessel with advanced anti-air warfare (AAW) capabilities, it provides reliable protection for allied naval forces against aerial threats. These capabilities are complemented by cutting-edge anti-submarine warfare (ASW) and anti-surface warfare (ASuW) systems, enabling the effective engagement of both surface and underwater threats across the full spectrum of maritime operations.

TAKING RESPONSIBILITY IN A CHANGING WORLD



ASW AND ESCORT FRIGATE

CAPABILITIES AT A GLANCE

Multirole Functions

- ASW frigate
- Escort frigate with AAW capabilities
- 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 | • NMCCS | • GIS |
| • NMIO | • CIS-MARITIME | • SBAMD-TC |
| • NWC-S | • SATCOM | • NMWL |
| • NAAW | • LRHF | • CY-DEFENCE |
| • NASUW-SUR | • TCCC | • GEOSPATIAL |
| • NRW-ASW | • FFIT | • METOCSUP |
| • NRW-ASUW | • JFAS | |
| • NCTG-SUR | • MFAS | |
| • MACC-SUR | • METOC(SYS) | |

DATA AND INFORMATION – GMF 120

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	4,800 t
Length	121.1 m
Beam	19 m
Draught	5.2 m
Crew	Up to 120

Propulsion

Hybrid	CODAD
Total power	36,400 kW
Propellers	2× CPP
Speed	30 kn

Capabilities

Operational endurance of 30 days
Low-signature optimised
CBRN defence
Innovative traversing system for containers

Replenishment at sea (abeam and stern)

4× APAR radar system
2× STIR1.2 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× air and maritime surveillance radar
1× underwater communication system
1× CAPTAS towed array sonar
1× Bluehunter hull-mounted sonar

Weapons

2× 32-cell strike-length MK41 VLS
12× RBS15 SSM
1× 76 mm gun
2× RAM MK-31
2× triple torpedo launcher
3× 30 mm RWS
1× KORA ESM system
4× MASS
2× 12.7 mm RWS

