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# Introduction to H160M

HELICOPTERS

**AIRBUS**

# H160M | Introduction to H160M

- **Military version of the H160, 6-tonne class**
- **Benefitting from all innovations developed by Airbus Helicopters for the H160:**
  - A brand new platform with 68 new patents
  - Developed with innovative tools and methods accelerating aircraft maturity at entry-into-service in 2020
  - Designed with accessibility in mind to ease maintenance: aircraft and engine maintenance plans fully aligned, aiming at high availability rates for reduced maintenance costs





# H160M | One single platform

## → H160M = a true multi-role aircraft

- One single versatile platform for a wide range of missions
- Modular architecture for quick mission reconfiguration
- Fleet rationalization: one type of helicopter instead of several specialized types, aiming at reducing maintenance and training costs, and improving operational flexibility

## → Typical missions:

commando infiltration, national airspace protection, air intercept, search and rescue, anti-surface warfare, naval force protection, maritime security, maritime environment monitoring and intelligence, reconnaissance, special forces, C4I.

## → Designed with the French armed forces:

**H160M** configuration is the result of 10 years of joint collaboration between Airbus Helicopters and the 3 different French Armed Forces



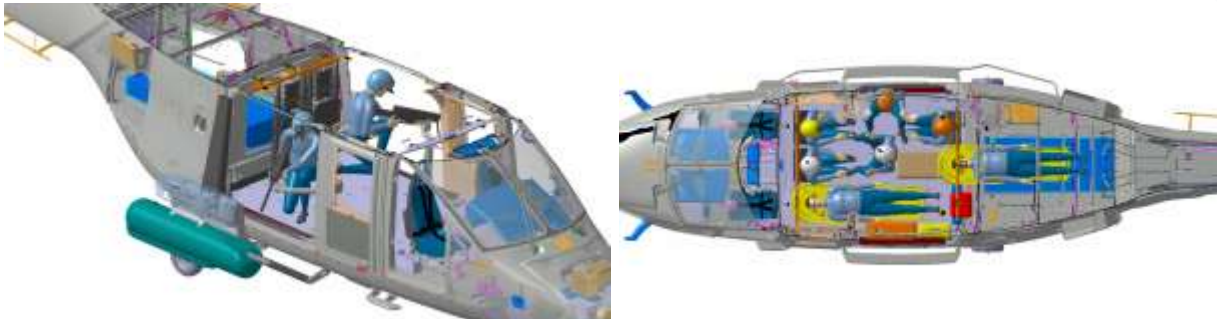
# H160M

## Key platform characteristics



### → Platform key characteristics :

- Powered by latest-generation fuel-efficient engines certified June 2019 : 2x Safran Arrano (1280 shp)
- Performance: 458 nm range (MTOW, ISA+20, 20min reserve, cruise at best range speed (VBR) 5000ft)
- Modular and wide cabin, with capacity for:
  - ↳ 2 pilots and 5 fully equipped commandos (12 passengers in civil configuration)
  - ↳ SAR with up to 2 pilots, 2 stretchers and 5 troops,
  - ↳ Integration of side-mounted weapons (machine gun and snipers) enabling fire delivery on both sides simultaneously.



### → Latest generation avionics from Thales (FlytX) with 4 screens:

- Greater surface area to display all relevant information for the crew on landscape-format 15 inch screens
- Designed to decrease pilots workload thanks to tactile and intuitive interface
- Open-world compatible, customizable and evolutive



# H160M | Main mission equipment

## → Main equipment :

- **Detection:** EOS Euroflir 410, Thales tactical radar



→ Euroflir 410



→ Radar

- **Discretion and protection:** complete self-protection system, infrared suppressors, armour plating
- **Naval capacity:** harpoon, blade folding, reinforced landing gear
- **Weapons:**
  - ↳ Axial side-mounted armament: Sea Venom (MBDA) anti-ship missile, HForce with 12.7mm machine gun and capacity for laser-guided rockets and 20mm canon.
  - ↳ Cabin-mounted armament: 7.62mm pintle machine gun, pintle sniper rifle
- **Air-to-air refuelling probe:** technical feasibility demonstrated, development launch to be confirmed by French Armed Forces





# H160M | Main mission equipment

→ French HIL (Joint Light Helicopter) programme aims at replacing 5 ageing fleets in French Army, Navy and Air Force service:

- 169 helicopters to be delivered  
80 for the Army, 49 for Navy, and 40 for Air Force
- Key factors for **H160M** selection by French Ministry of Armed Forces:
  - Demonstrated ability of the **H160M** to perform all requested Army, Navy and Air Force missions
  - Reduced maintenance costs, thanks to:
    - ↳ Fleet rationalization
    - ↳ **H160M** being based on the civil **H160**: volume effect generating reduced components maintenance costs and better coverage against future obsolescence risks
- Key Dates:
  - ↳ Programme launch in **2021**
  - ↳ Prototype first flight in **2023**
  - ↳ Deliveries beginning in **2026** starting with the French Army, followed by the French Navy in **2028** and then the French Air Force



# H160M

H160M: a new generation  
multirole helicopter



Thank you