Strategy and future of military helicopters
Airbus Helicopters at a glance
A unique global presence

6,251 B€
Revenues in 2020

3,084
Operators

153
Countries

30
Customer Centres and affiliated sites

20,026
Employees
Revenue split in 2020

- Military: 59%
- Civil: 41%
- Services: 43%
- Products: 57%
The widest military range

More than 2,500 military helicopters in-service and 30,000,000 cumulated FH.

165 military customers worldwide trust Airbus helicopters to get the job done.
Military market accounts for ~50% of Airbus Helicopters revenues
Our vision for the future

- Short, mid and long-term perspectives
- Prepare new generation of helicopters
- Support the Forces and anticipate their needs
Market reference for CSAR and special operations: More than 125 units in service. Kuwait, Singapore, Hungary, and France are among recent customers. New avionics and sensors available. Airbus will keep investing in H225M improvements.
Successful H160 sand trials in Morocco. IBF proved to be very efficient.

Sling, hoist and blade folding trials conducted in 2021 on H160.

Contract with French Ministry of Armed Forces to be signed by the end of 2021.

Mid term: H160M
Major systems considered within Tiger MkIII

Sight Chain
- EOS
- Helmet
- Enhanced vision system

Communication Systems
- Radios
- Link with drones

Weapons
- Air to Ground missiles
- Air to air missiles
- Gun
- Rockets
- Countermeasure

Avionics
- Avionics suite
  - Tactical Data Management System
  - Battlefield management system

Navigation
- System synchronized with Galileo

Always as agile, more efficient, more connected and better protected.
Mid term: Expand our military offer - H175M

The world’s most capable Super Medium helicopter.

7-8t maximum weight.

Limited footprint for operations in confined areas.

Transportable in the A400M.

Spacious cabin

Large doors to facilitate ingress and egress.
Mid term: NH90 new Standard

- Special Forces version for France.
- New-generation EOS EuroFLIR™.
- New generation digital 3D map.
- Folding boarding steps.
- Additional ceiling-mounted rope anchor points.
- NHI Transformation Plan to improve availability.
2021: Flight envelope expanded to 80 kts with a complete operative mission system.

2022: Sea demonstrations.

Mid term: VSR700
Long term: Building the Future

Prepare next generation of Tactical Transport/Naval helicopter.

Industrial challenges:
More than 900 helicopters to be replaced by 2040.

NGRC project was launched by 5 Allies through the signature of a Letter of Intent in November 2020.

Envisioned target for Memorandum of Understanding signature by Defence Ministers for initiating concept phase.

Potential end state of planned initial delivery for the first NGRC aircraft.
Airbus Helicopters already has the technologies and expertise to fulfil NATO requirements with the Racer concept or an upgrade of existing military helicopters with specific mission configurations.

Long term: NGRC Specification

The NGRC requirements specify an aircraft in mission configuration with a cruise speed of 220 Kts or more but not less than 180 Kts. It means:

- MTOW significantly increased at iso-cabin & payload (min +30% weight penalty, 11t to 15t)
- Increased Complexity: adding wings, mechanisms, actuators, high power
- Increased Costs (operational costs likely higher by 25%)

Rotorcraft cruise speed capability thresholds:

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- **Airbus is ready to meet military customers speed requirements if confirmed**
- NATO members have to converge on the operational needs and associate trade-offs before finalizing NGRC specification.
- Concept phase in 2022 should clarify the true sizing criteria for the fields of operation.
**Long term:** Address the expected concepts of operations

Concept of Operations is KEY to defining Next Generation 2040+ rotorcraft:
- Mission performance
- Survivability
- Affordability
- Availability
- Compatibility with overall 2040+ defense system.
SMARTFORCE CONNECTED SERVICES
HELICOPTERS – PORTFOLIO

DIAGNOSE
Smart Diagnosis & Troubleshoot

RELY
Smart Availability Monitoring & Reliability analytics

PREDICT
Smart Predictive Maintenance

PLAN
Smart Fleet Optimization, Maintenance Management & Technical logbook

SUPPLY
Smart Material Management (Digital Work card)

FLY
Smart Flight Analyser

Smart Force

• An Airbus group global approach.
• Airbus Helicopters and Airbus DS / Military Services interoperability.
• OEM expertise to optimize availability, maintenance and operating costs.
Military Global support Contracts

More than half of all Airbus helicopters enrolled with global support contracts come from military fleets.

Main objectives of this contract aim to:
- secure spare parts availability on stock,
- reduce maintenance turn times,
- secure fleet availability.

Accepts specific performance objectives and obligations leveraging on AH’s technical, logistic and data analytics expertise.