THE VALUE OF EXPERIENCE

A winning combination of high technology, simplicity and reliability makes Airbus Helicopters’ rotorcraft particularly suited for offshore operations.

Our wide range of helicopters benefits from our more than 30 years of expertise as the leading partner of offshore petroleum and gas companies.

No matter your needs, we have an aircraft to fit your most specific mission requirements.
Safety First by Airbus Helicopters

Airbus Helicopters designs aircraft to protect and save lives and to transport people with the highest safety standards. Thousands of people fly on our helicopters every day; and their safety is our top priority. As we continue to improve our safety standards, we require suppliers to do the same, and we share this culture and commitment with our customers.

The EC225 embodies the safety philosophy of Airbus Helicopters

- Sea state VI certified Emergency floatation gear without speed limit
- Multi-box technology, high-impact tolerant blades
- Standard manufacturer HUMS
- 30’ MGB dry run certified
- 52’ MGB dry run demonstrated
- Engine blade shedding
- Bird strike protection
- Fuel tank located outside the cabin
- Very low vibration level
- 4-axis digital dual duplex autopilot for exclusive flight envelope protection
- Crashworthy seats for passenger and crew
- Numerous emergency exits exceeding requirements
Safety by design
Airbus Helicopters’ innovative helicopters integrate safety throughout the design process, exceeding certification standards as well as the requirements of oil and gas companies and operators.

Safety by equipment
Aircraft are fully compliant with OGP requirements.

All inclusive:
- CVFDR
- HUMS
- TCAS
- HFDM-HOMP
- EGPWS
- 4-points harness
- External life rafts
- AFDS

See glossary

The EC225 incorporates numerous redundancies for an unrivalled reliability.

Safety by support
Thanks to Airbus Helicopters’ 30 subsidiaries on all five continents, we can provide the best support for operators’ fleets right at their doorstep - around the world.

Safety by training
Airbus Helicopters values the importance of training activities to improving safety. The company provides training solutions in 25 training centers worldwide, a network that continues to expand.

Our localized training solution enables operators to increase efficiency. They will benefit from not only time savings and training cost reductions, but also greater crew availability for commercial flights and increased local training content.

Safety by HMI design
As the cockpit concept, Human Machine Interface has been praised by pilots worldwide, becoming the new standard of excellence:
- Digital helicopter autopilot
- Eurocopter MFD philosophy
- 6 instruments all-in-one
- Compact intuitive display
- FLI: First Limit Indicator
- Family concept: same HMI on multiple machines to allow pilots to easily switch from one cockpit to another.
Long Range Missions

Reach far away oil rigs. The EC225 opens the door, enabling you to access strategic oil reserves. In response to operator requests, the new crew change & SAR standard has introduced significant improvements in four domains: safety, performance, comfort, multi-role capability.

Compliant with:
- National Civil Aviation Authorities standards
- OGP Organization standards
EC225®,
the perfect multi-purpose helicopter

Unmatched performance
Go farther and faster with a 130 NM radius of action - when medium helicopters can’t go the distance.
The radius of action expands to 225 NM (450 NM range) in order to fly 19 passengers to and from deep water areas.

Fuel tank design
- Safe: fuel tanks are located outside the cabin in any configuration ensuring maximum safety.
  At Airbus Helicopters, we value your safety above all and keep fuel tanks at a distance.
- Efficient: full cabin volume preserved.
- Flexible: Removable external pod tanks.
The EC225 is the most reliable helicopter for operating in oil fields and for conducting drilling activities.

Versatile aircraft
Quick role change
The new Airbus Helicopters standard with a multi-purpose floor allows simple cabin reconfiguration in less than 5 minutes. It is easy and quick to switch from a crew change configuration to an empty cabin, ready for any other configuration.

Greater comfort
Fly at high speeds with low vibration, comfortably settled in state-of-the-art seats inside the quiet, roomy cabin specially designed in collaboration with offshore operators.

De-manning and re-manning
An aircraft carrying up to 19 passengers at once has never been this fast. The high payload, fast speed and large radius of action of the EC225 make it the best tool when facing unforeseen situations.

SAR Capability
Beyond 200 NM, you might be the only one able to provide SAR operations.
The EC225 can be easily switched to its SAR role, with plug-and-play provisions for:
- Search light
- FLIR
- Hoist control box
- Medical kit

Improved safety
TCAS 2 (Traffic alert collision avoidance system)
With automatic detection and avoidance by smooth altitude changes, the EC225’s safety standard is equivalent to the ones of commercial airliners.

GSPD
Ground Speed Mode retains full use of the 4-axis autopilot and upper modes at low speed through to hover flight, reducing the pilot’s workload for increased safety.

Crashworthy seats for passengers and crew

EC225 full flight simulator
Airbus Helicopters’ network of training centers allows operators to train in close proximity to their operations. And the network keeps growing…
Medium Range Missions

The 7-ton-class EC175 is the newest Airbus Helicopters’ medium twin-engine rotorcraft designed with input from oil & gas operators to meet their demanding requirements.

Helicopter’s safety:
- Innovative avionics suite
- Most advanced dual duplex 4-axis helicopter autopilot
- Energy absorbing seats and crashworthy fuel tanks
- De-icing system
**EC175®**

**Best passenger experience**
- Unrivalled cabin volume and large sliding doors
- 8 large windows
- First-class seating arrangement
- Air conditioning

**Versatility**
The EC175 offers the largest cabin of its class to respond to a variety of scenarios. The flat-floored cabin with unrivalled volume and large sliding doors on both sides allows customers to quickly reconfigure the aircraft from its crew change configuration to either freight, SAR or corporate configurations.

**5 large emergency exits per side**
The EC175’s emergency exits exceed EASA Type IV standards, allowing evacuation in a matter of seconds with ten large push-out windows.

**Emergency floatation gear**
The system is designed to sustain emergency ditching up to sea state VI in the whole Mass/CG envelope. In case of emergency, passengers can evacuate onto jettison-able life rafts.

**Cockpit concept**
State-of-the-art new Human Machine Interface from the Airbus Helicopters’ concept family.
With the Dauphin family’s well-proven technology and some 5.1 million flight hours globally, Airbus Helicopters’ AS365 N3+ and EC155 B1 are designed to ensure low maintenance expenses, offering the most cost-efficient helicopters in their class.

- Cost-efficient aircraft with low downtime
- Comfort for 12 passengers and 2 pilots
- Low sound-level signature - below International Civil Aviation Organisation (ICAO) standards
- Smooth high-speed flight, low vibration level and excellent stability
- Cabin accessibility
Safety
- On-ground safety with Fenestron® tail rotor
- Proven technology
- 4-axis digital EC225 autopilot

Performance
- High speed
- Small D value (14.3m/46.91ft)
- Glass cockpit
- Cost-efficient aircraft
- Low maintenance costs
- Low level of maintenance per flight hour acknowledged by operators

Versatility
- Freight
- Search and rescue (SAR)

Approved by the U.S. Coast Guard
Multimission Light Aircraft

Low costs, reliability and operational efficiency make Airbus Helicopters' light rotorcraft line particularly suited for offshore operations on small helipads, pipeline inspection, onshore missions, geophysics missions, passenger transportation, CasEvac and MedEvac missions.
**LIGHT TWINS**

**EC145®**

The highest safety standard, in flight and on the ground

Safety on helicopter landing decks
- Rotor clearance and Fenestron® on T2 version

Safety in flight
- The EC145 T2 offers excellent OEI performance
- An innovative avionic architecture and safety-driven HMI design
- Automatic flight control system (AFCS) is standard on the EC145 T2

Robust and highly reliable
- 1,889 hours achieved in one year by Pegaso operator

Lowest operating cost in its category (Conklin & de Decker Fall 2011)
- Maintenance level per flight hour is acknowledged by operators as a key feature of this aircraft

Oil and gas producers (OGP) compliant

**LIGHT TWINS**

**EC135®**

Size and weight compatible with small D value decks

Cost efficient light twin-engine helicopter with lowest direct maintenance costs (DMC) in this class (Conklin & de Decker Fall 2013)

OGP package integrated in a small aircraft

On-deck safety
- Main rotor clearance
- Fenestron® tail rotor

Outstanding visibility for pilots and passengers
A Worldwide Network of Training

Airbus Helicopters’ network offers a full range of services to support the daily operation of its helicopters around the world, from spare parts and maintenance, repair & overhaul, to technical assistance and training.

- 90 maintenance, repair and overhaul (MRO)
- 7 Logistics platforms
- 25 Training centers
- Simulators
- 2 Technical support hubs
and Service Centers
A Flexible Package of Services

To ensure you benefit from the full availability of your aircraft, Airbus Helicopters has set up specific packages specially customized for oil & gas operations. The company’s worldwide network provides a local solution to keep you flying, with a 24/7 customer support team at your service.
In-service Introduction Package

The arrival of a new helicopter in your fleet often entails organizational adjustments. Airbus Helicopters helps to set up customers’ activities and best organize logistical and technical assistance for their fleets. The company proposes additional training and provides you with an initial set of consumables, as well as the necessary tools to start your mission as soon as possible.

Operational training

Flexible recurrent training programs contribute to safety. Airbus Helicopters offers a wide variety of customized training courses for both pilots and technicians and aims to exceed all regulatory requirements to improve airworthiness.

The key contributor to Airbus Helicopters’ safety policy concentrates on professional skills and expertise. Pilot training is performed with state-of-the-art technology utilizing Level-D full-flight simulators. This enables Airbus Helicopters to create the most realistic conditions possible for offshore flight scenarios - offering safe simulations of various conditions while the aircraft continues to perform commercial flights.

Field services

Airbus Helicopters remains in close proximity to its customers. Training is performed in the continually expanding worldwide network of 25 training centers. From VCPT* to FFS**, Airbus Helicopters focuses on reducing operators’ training costs by bringing its competencies close to their locations.

On-the-job technician training covers proven and new technology systems, new maintenance operation modes and optimized maintenance scheduling. Our instructors will support you in improving your maintenance mode through an optimized trouble shooting of your aircraft according to Airbus Helicopters’ documentation.

HUMS-HOMP

For offshore missions, Airbus Helicopters’ aircraft are generally equipped with HUMS systems, providing precise OEM health and usage monitoring of the main components of the aircraft.

Airbus Helicopters offers a support package that ensures the optimal use of this system, as well as reactive and efficient data management, which also covers a 24/7 assistance and software updates.

In addition, regularly scheduled user conferences are designed to share information on best practices and new functionalities.

The helicopter operations monitoring program (HOMP) service is also available through Airbus Helicopters’ PGS software used for data management and mission replay. The company’s associated support package provides customers with training and assistance.

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* Virtual Cockpit & Procedures Trainer
** Full Flight Simulator
Maintenance Support Programs

Airbus Helicopters has a long history of working closely with oil & gas operators to understand their requirements for optimized maintenance support solutions. As a result, the company’s maintenance support programs are tailored to maximize aircraft availability, monitor customers’ budgets, and reduce inventory costs.
Logistic field representative
The LFR offers Airbus Helicopters’ expertise on logistics, flow monitoring, forecasting, stock, repair and warranty for customers own supply chain management. The LFR is your point-of-contact for integrated logistics support as part of Airbus Helicopters’ commitment to its operators.

Oil & gas availability program
The OGAP program goes even further, providing commitment on parts availability. It also includes inventory management, analysis and transportation to a customer’s location in the frame of a long-term contract. This complete program is supported by dedicated local and regional inventories and logistics means, which ensures the most adapted solution for oil & gas missions.

<table>
<thead>
<tr>
<th></th>
<th>Parts-By-the-Hour</th>
<th>Advanced PBH</th>
<th>OGAP</th>
<th>Advanced OGAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secured maintenance cost</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>(scheduled and unscheduled events)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>TBO provisioning</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Standard exchange</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Local consignment stock</td>
<td>Optional</td>
<td>Optional</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Commitment to parts availability</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Inventory management</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Supply of consumables and hardware</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Optional: Airbus Helicopters is able to offer reactive and cost-effective transportation solutions.
## Offshore equipment

<table>
<thead>
<tr>
<th>Feature</th>
<th>EC135 T2e/P2e</th>
<th>EC145 T2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum range (at MTOW)</td>
<td>635 km / 342 NM</td>
<td>660 km / 356 NM</td>
</tr>
<tr>
<td>Useful load</td>
<td>915 kg / 2,013 lb</td>
<td>1,651 kg / 3,640 lb</td>
</tr>
<tr>
<td>Capacity</td>
<td>1/2</td>
<td>1/2</td>
</tr>
<tr>
<td>MTOW</td>
<td>2,950 kg / 6,504 lb</td>
<td>3,650 kg / 8,047 lb</td>
</tr>
<tr>
<td>Recommended cruise speed</td>
<td>240 km/h / 130 kts</td>
<td>248 km/h / 134 kts</td>
</tr>
<tr>
<td>Standard fuel tanks</td>
<td>560 kg / 1,235 lb</td>
<td>628 kg / 1,384.5 lb</td>
</tr>
<tr>
<td>Optional fuel tanks</td>
<td>179 kg / 374 lb</td>
<td>175 kg / 386 lb</td>
</tr>
<tr>
<td>D Value</td>
<td>12.16 m / 39.9 ft</td>
<td>13.63 m / 44.72 ft</td>
</tr>
<tr>
<td>IFR/VFR/ day and night</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Oil & Gas Configuration

- Automatic Deployable Emergency Locator Transmitter (ADELT): Optional
- Automatic Voice Alarm Device (AVAD): Optional
- Cargo sling: Optional
- Cockpit Voice and Flight Data Recorder (CVFDR): Optional
- Digital Map Display System (DMAP): Optional
- EGPWS (Enhanced Ground Proximity Warning System): Optional
- Emergency floatation gear: Optional
- Energy absorbing seat: Included
- External liferafts: Optional
- Flight Management System (FMS): Optional
- Dual FMS: -
- Ground pressure refuelling: -
- Helicopter Emergency Egress Lighting (HEEL): Optional
- Helicopter Flight Data Monitoring (HFDM): -
- Helicopter Terrain Awareness Warning System (HTAWS): Optional
- Hoist: Optional
- Health and Usage Monitoring System (HUMS): Optional
- Passenger address: Optional
- Radar altimeter: Optional
- Traffic Alert Collision Avoidance System (TCAS): Optional
- TCAS II: Optional
- Weather/ Search radar: Optional

**Legend**

- Included = Included in the Offshore configuration
- Optional = Additional installations
- - = Not available
<table>
<thead>
<tr>
<th></th>
<th>AS365 N3+</th>
<th>EC155 B1</th>
<th>EC175</th>
<th>EC225</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>792 km / 427 NM</td>
<td>784 km / 423 NM</td>
<td>1111 km / 600 NM</td>
<td>838 km / 452 NM</td>
</tr>
<tr>
<td>Weight</td>
<td>1,352 kg / 2,982 lb</td>
<td>1,646 kg / 3,629 lb</td>
<td>-</td>
<td>5,540 kg / 12,213 lb</td>
</tr>
<tr>
<td>Seats</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1/2</td>
</tr>
<tr>
<td>Speed</td>
<td>269 km/h / 145 kts</td>
<td>265 km/h / 143 kts</td>
<td>278 km/h / 150 kts</td>
<td>262 km/h / 142 kts</td>
</tr>
<tr>
<td></td>
<td>897 kg / 1,977 lb</td>
<td>993 kg / 2,189 lb</td>
<td>2,090 kg / 4,610 lb</td>
<td>2,017 kg / 4,447 lb</td>
</tr>
<tr>
<td></td>
<td>142 kg / 313 lb</td>
<td>142 kg / 313 lb</td>
<td>-</td>
<td>725 kg / 1598 lb</td>
</tr>
<tr>
<td></td>
<td>13,73 m / 45,05 ft</td>
<td>14,30 m / 46,91 ft</td>
<td>18,06m</td>
<td>19,50 m / 63,98 ft</td>
</tr>
<tr>
<td>Included</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Oil & gas**
Glossary

AFCS: Automatic Flight Control System
AFDS: Automatic Flotation Deployment System
CVFDR: Cockpit Voice and Flight Data Recorder
DMC: Direct Maintaining Cost
EGPWS: Enhanced Ground Proximity Warning System
FLI: First Limit Indicator
FLIR: Forward Looking Infra Red
FMS: Flight Management System
GSPD: Ground Speed Mode
HFDM: Helicopter Flight Data Monitoring
HIRF: High Intensity Radiated Fields
HMI: Human Machine Interface
HOMP: Helicopter Operations Monitoring Program
ICAO: International Civil Aviation Organization
LFR: Logistic Field Representative
MFD: Multi Function Display
MGB: Main Gear Box
OEM: Original Equipment Manufacturer
OGAP: Oil & Gas Availability Program
OGP: Oil and Gas Producers
PBH: Parts by the Hour
TCAS: Traffic Collision Avoidance System
Contacts
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