

HELICOPTERS
Training Services

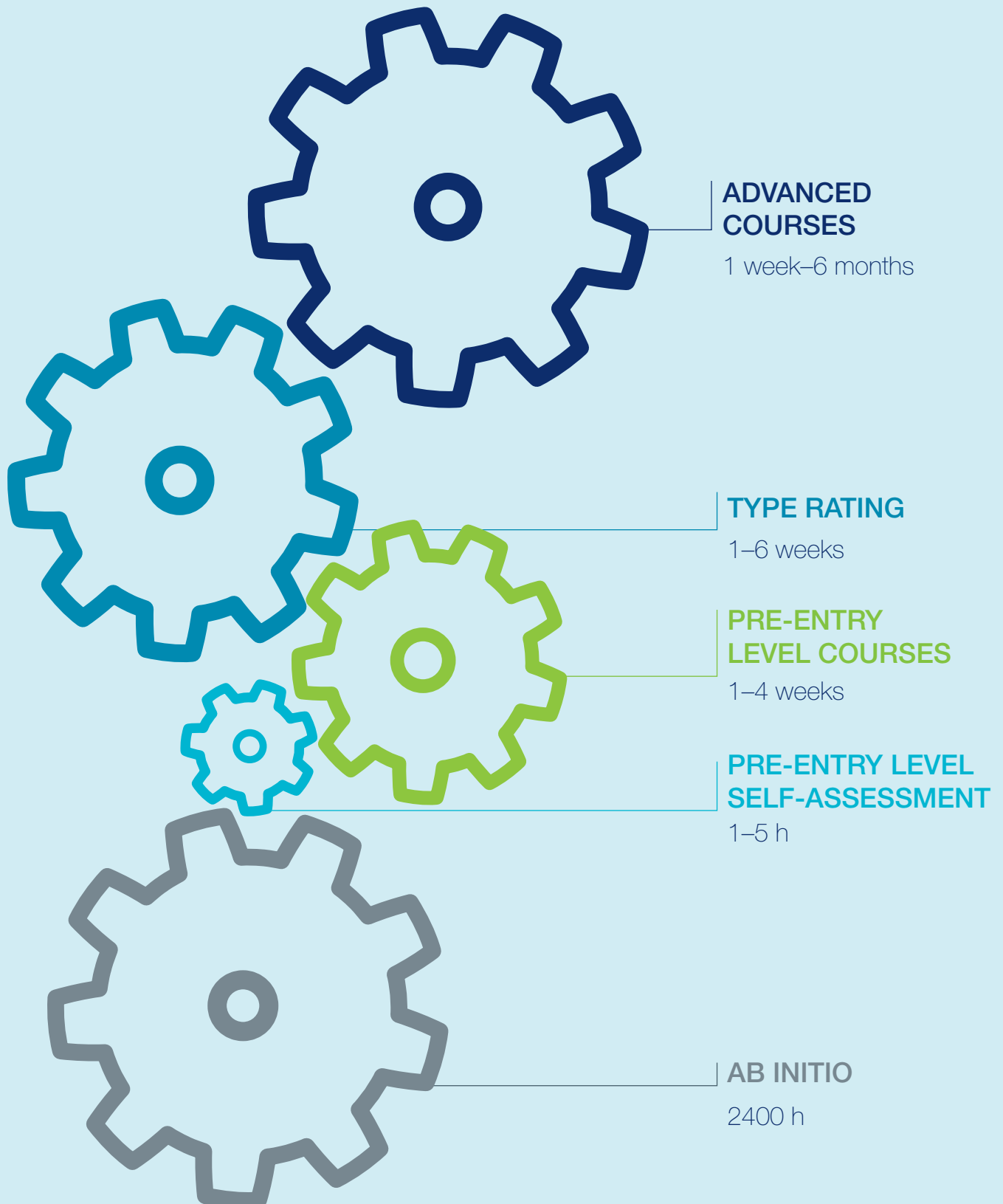
HCare[®]

Maintenance Training Courses



AIRBUS

Maintenance Courses



Annual Key Figures



**121 COURSES ON
CUSTOMER'S SITE**

around the world



+2,500 TRAINEES

in Marignane



**13,000 HRS COURSE
DEVELOPMENT**

for tailored courses



19 TRAINING CENTRES

around the world



**2,800 HOURS
SIMULATION & FLIGHT**

in Marignane



**98% OF OUR TRAINEES
SATISFIED**

with the skills they have learnt
during maintenance courses

Training Contents

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Learner Portal FREE

Training is just one click away
with the Airbus Helicopters
Learning Management System (LMS)

Available on the Learner Portal:

- > Worldwide training offer
- > Course schedule & request
- > Self-assessment
- > Course information & material



Free-of-charge



Available worldwide

> Register at

www.airbushelicopterstrainingservices.com



Pre-Entry Level Self-Assessment **FREE**

Free online self-assessment
for a successful training experience

- Evaluate prerequisites
 - Familiarise with the course level
 - Access worldwide
- > Adapt training to specific needs
 - > Get immediate results
 - > 1 hour/modules
 - > 4 modules available

Standard Practices

Fundamentals of Mechanics

Fundamentals of Avionics

English language

→ Pre-Entry Level Training



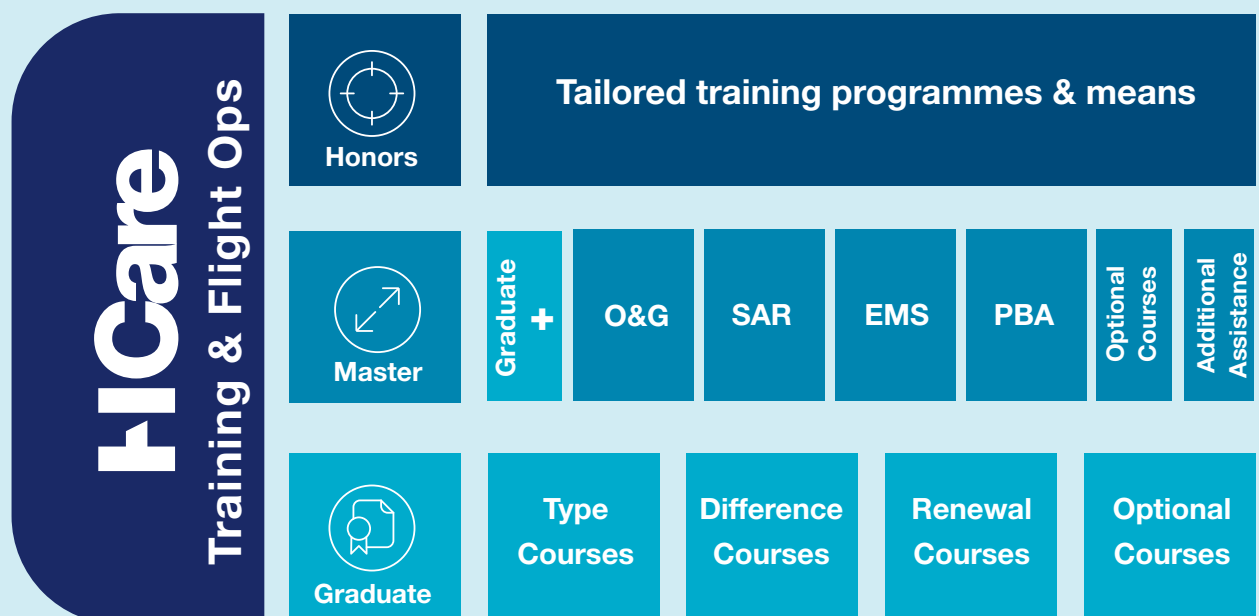
1 Register
on AHTS website

2 Test
prerequisites

3 Adapt
training course

HCare Training & Flight Ops Services Offer

An optimal training offer whatever your requirements in one of our 19 training centres or on the customer's premises around the world. Customers can choose from three lines of services depending on their operational need: **Graduate**, **Master** and **Honors**. Modules vary from pre-entry level courses to fully-customised solutions.



“ Our priority: **safety and excellence** ”



Fully-customised programme depending on operator's needs including pre-entry, type qualification and/or maturation modules
Possible delivery of customised training media and means

Honors

Standard type qualification enriched with specialisation on Favourites mission equipment
Optional courses and additional assistance

Master

Standard type qualification
Optional courses include pre-entry and reinforcement modules

Graduate

PRE-ENTRY LEVEL TRAINING



Pre-Entry Level Standard Practices

> Increase safety during operations, gain in-depth knowledge of general maintenance procedures & appropriate application of technical documentation

- > General maintenance & repair procedures
- > Best practices
- > Safety instructions
- > Technical documentation

Enhanced performance & solid background on technical documentations

- Dedicated to technicians to update their existing knowledge & adopt best practices
- Practice on full-size helicopters & tools
- Recommended: two-week course
- Focus on the re-discovery of documentation
- Balance between theory & practice



Pre-Entry Level Maintenance

Prepare for Type Rating through a one-week course specially designed to improve understanding of basic helicopter systems

Pre-Entry Level Mechanics

- Airframe
- Dynamic system
- Hydraulic system
- Fuel system

Pre-Entry Level Avionics

- Electrical power system
- Lighting system
- Flight control system
- Radio communication & radio navigation

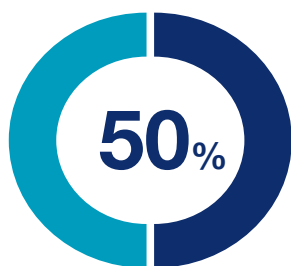
Optimised learning experience

- > Focus on basic systems & TechPub
- > Refresh & complete skills before Type Rating
- > Gain confidence through practical sessions
- > Close the gap between initial knowledge and Type Rating course level





Pre-Entry Level Technical English



Up to 50% cost savings
compared to a course
with interpreter

- + Focus on technical vocabulary
- + Better understanding of technical documentation
- + Active participation of the learner through role play & discussion exercises
- + Limited to 4 learners
- + English language applied to real operations

> Practice to optimise
training time
& facilitate communication

Safer operations & increased efficiency

A one-week immersion course recommended for learners
having achieved a score 30–45% on our online English Self-Assessment.

TYPE QUALIFICATIONS



T4 Familiarisation

General understanding
of the helicopter

1 week

PART 147-approved

Focus on safety and general
overview of basic systems

A general overview of the aircraft for professionals of the helicopter industry

- Simplified content
- One week
- Available on medium/heavy range aircrafts

- > Better understanding of daily operations
- > Increased efficiency for managers

Ready for
Type Qualification

Ready for
Advanced Training

PRE-ENTRY LEVEL TRAINING

- PEL Standard Practices
- PEL Avionics
- PEL Mechanics
- PEL English

TYPE QUALIFICATIONS

- Familiarisation
- Type Qualification
- Difference
- Refresh

FAVOURITES

- O&G
- SAR
- EMS
- PBA

optional

optional

T1 Airframe Type Rating

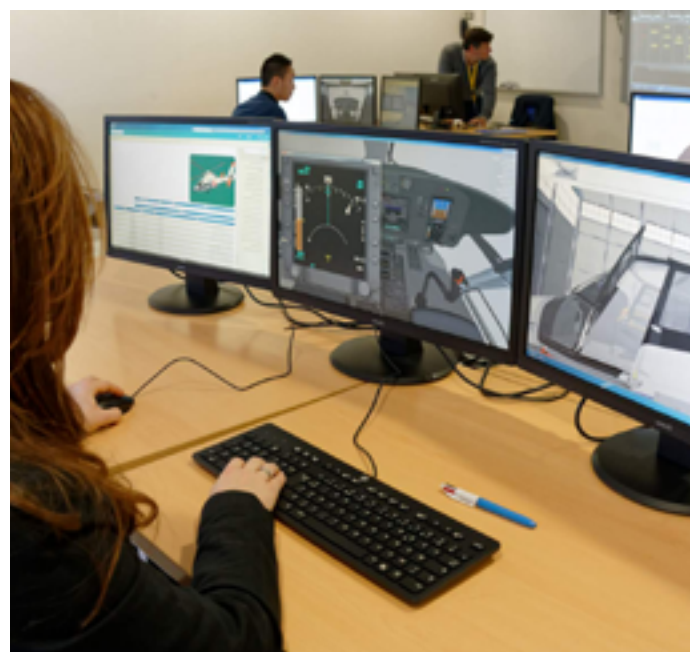
A Part 147-approved course for a qualification on the type

- Balance of theoretical & practical training
- Safety-oriented practice on full-size helicopter & parts
- Available on all helicopter range
- 3–5 weeks
- Comprehensive knowledge of the aircraft
- Autonomy on basic maintenance tasks
- Non-Part course also available

Virtual Maintenance Trainer (VMT)

with two applications combining the benefits of virtual environment & real helicopter

- > The Comploc app enabling the location of key components in a realistic virtual helicopter
- > The Sim apps that allow procedural maintenance operations as functional tests, part replacement or troubleshooting without compromising safety and assets



Virtual Maintenance Trainer
available on AS365 N3, H145 and H225
soon available on H125, H130, H135, H160

T2 Avionics Type Rating

A Part 147 qualification designed for avionics technicians

- Balance of theoretical & practical training
- Safety-oriented practice on full-size helicopter & parts
- Available on all helicopter range
- 2–5 weeks
- Comprehensive knowledge of the aircraft
- Autonomy on line maintenance tasks
- Focus on helicopter avionics
- Non-Part course also available



HATS

available on H135, H145 and H175

Helionix Advanced Tool Simulator (HATS)

- + Available worldwide
- + Smooth transition from theory to practice
- + Cockpit training
- + Troubleshooting simulator
- + Interactive procedure training

TRAINING NETWORK

01. France (Marignane)
Airbus Helicopters Training Services

02. France (Marignane)
Helisim

03. Germany (Donauwörth)
Airbus Helicopters Deutschland

04. Germany
Helicopter Flight Training Services

05. Spain
Airbus Helicopters España

06. United Kingdom
Airbus Helicopters UK

07. Russia
UTair

08. Kazakhstan
Eurocopter Kazakhstan Engineering

09. Canada
Airbus Helicopters Canada

10. USA
Airbus Helicopters Inc

11. Chile
Airbus Helicopters Chile

12. Mexico
Airbus Helicopters de Mexico

13. Brazil
Helibras Helicopteros Do Brazil

14. China
Airbus Helicopters China

15. Japan
Airbus Helicopters Japan

16. Malaysia
Airbus Helicopters Malaysia

17. Singapore
Airbus Helicopters South East Asia

18. Australia
Airbus Australia Pacific

19. South Africa
Airbus Helicopters Southern Africa



WORK

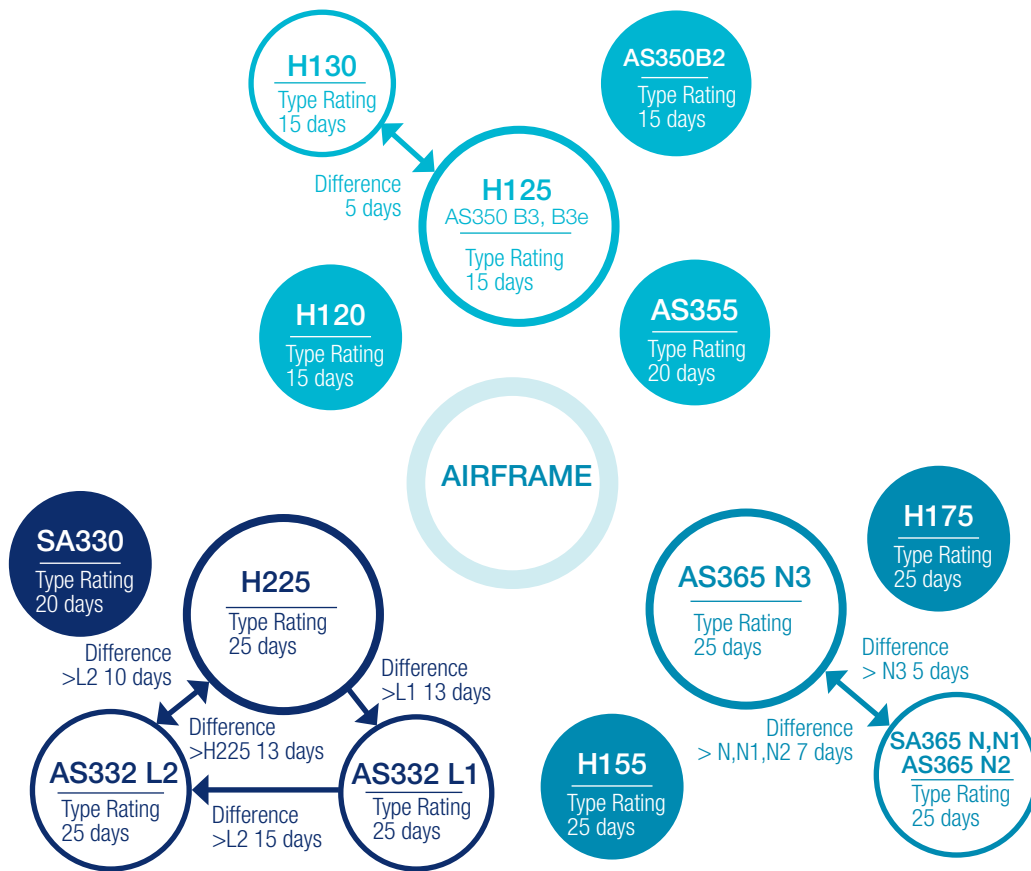
Airbus Helicopters manufacturer expertise: worldwide.

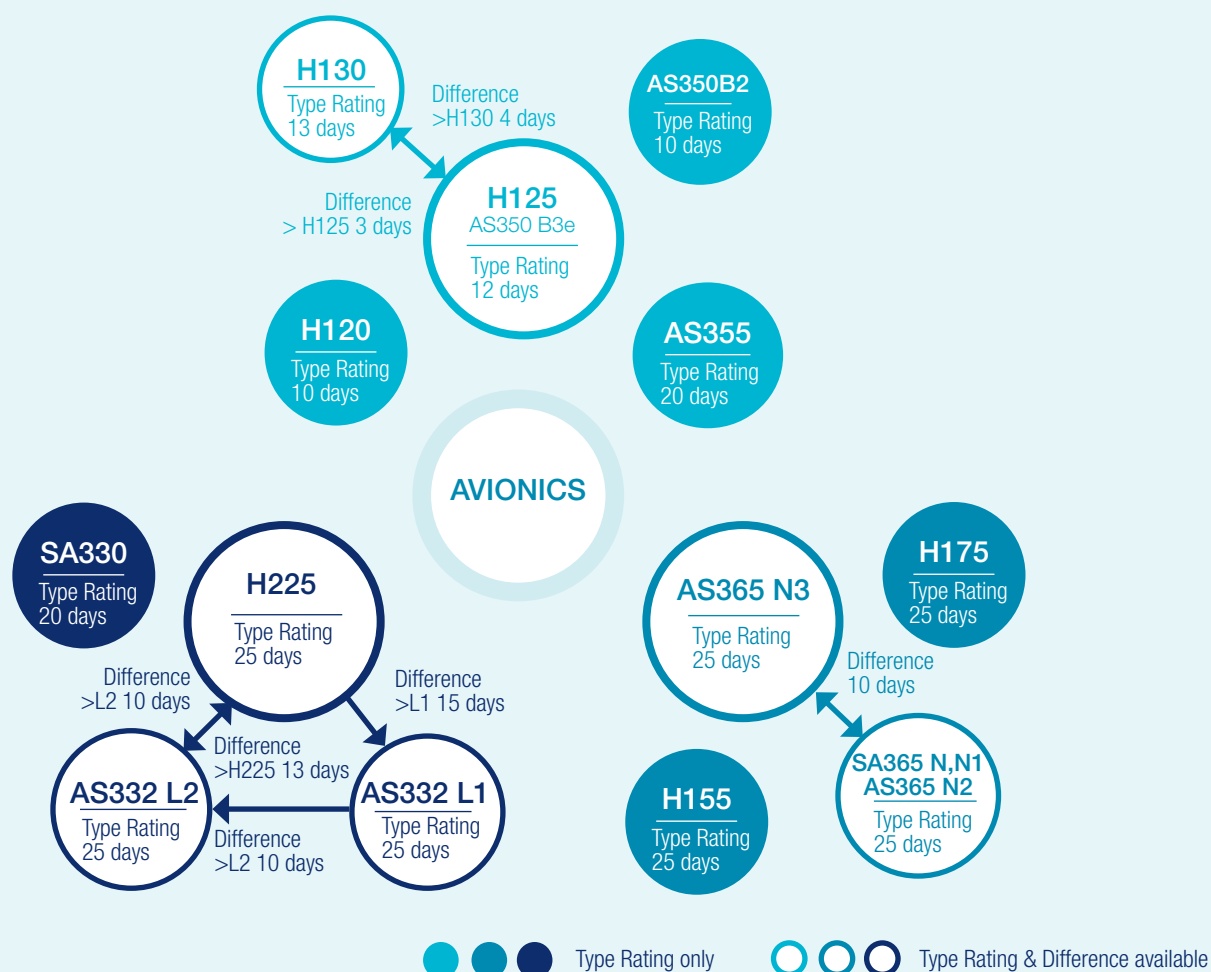


● Technician & Pilot training

● Pilot training only

Type Rating & Difference





Refresher

Keep up-to-date & learn about the latest evolutions of the aircraft

- Revise the most important topics related to Airframe or Avionics
- Latest evolutions on the aircraft according to Service Bulletins
- Content adapted to local authorities requirements or on customer's request
- 1–2 weeks

FAVOURITES

A Type Qualification enriched
with specific equipment modules

- Overall scope of the helicopter
- Mission-oriented
- Customised on request
- Operational environment

**Get Type
Qualification**

Available for all aircrew

- Avionics
- Airframe
- Pilot

Example of training programme for H175 PBA configuration

**H175
Type Rating**



H175 PBA Package

Pilot

Airframe

Avionics

Choose Favourites modules according to configurations

Oil & Gas

Proficiency in maintenance during offshore missions

Examples of modules: Forward external fuel tank

H155

H160

H175

H225

O&G

Search & Rescue

Designed for all personnel performing offshore & onshore rescue operations

Examples of modules: Single hoist installation, autopilot SAR modes

H160

H175

H215

H225

SAR

Emergency Medical Services

Dedicated to air ambulance & rescue operations

Soon available on H145 / H160

EMS

PBA

Private Business Aviation

Focus on VIP configuration, and management of equipment

Examples of modules: VIP cabin & windows, lighting systems, digital entertainment, iCan system, skyconnect system etc.

H160

H175

H225

&

**Gain
Expertise**

ADVANCED TRAINING



Theory applied immediately through the most relevant repair tasks



Repair toolkit is offered to all participants

Structure Repair

Maintain the aircraft & equipment in operation with on-the-job training on repair tasks at O & I or I+ level

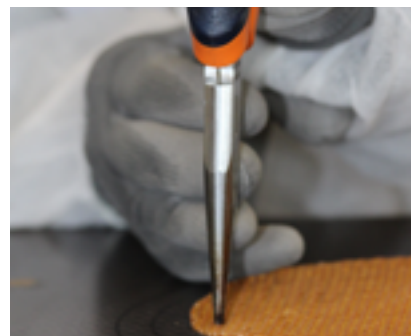
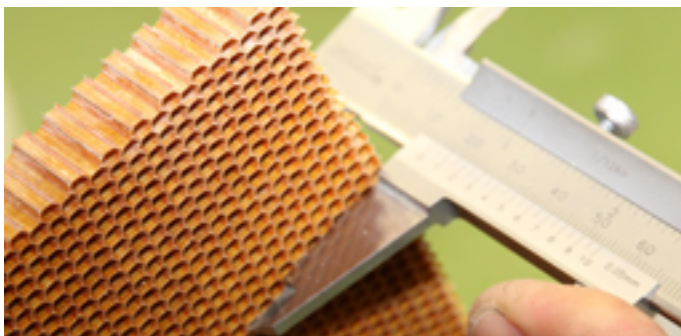
- > Practice on real material & tools
- > 2 weeks/limited to 4 trainees
- > Focus on practical tasks
- > Available and customised to all helicopter types
- > Composite & metallic structures

O & I Level

- Smaller repairs of O (Organisational) and I (Intermediate) level
- Autonomy on Level 1 & Level 2 repair tasks

I+ Level

- Repair operations on the primary structure
- Knowledge applicable to I+ level repair tasks



Ready for Missions

Ready for Specific Goals

FAVOURITES

- O&G
- SAR
- EMS
- PBA

ADVANCED TRAINING

- Airframe Repair
- Mechanical Assembly
- Autopilot Hydraulic Unit
- Specific Avionic
- Emerg Flotation
- Maint.Check Flight
- Tech Data

optional

optional

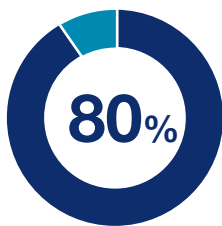
TAILORED SOLUTIONS

- Hands-on Maturity & Enhancement
- Customised modules of Master service level



Mechanical Assembly

Practice skills to inspect, maintain, troubleshoot & repair major components



**Practical
instruction**

- Dedicated to qualified Airframe technicians
- Documentation
- Metrology information
- Main Rotor Head
- Calendar inspections
- 1–4 weeks
- Base maintenance & shop repair

Electrical Wiring Repair

Enhanced performance and autonomy for avionics/electrical wiring technicians

- Detect & repair electrical damage
- Introduction to optical fiber
- Electrical corrosion
- Wiring test
- ORION/IETP
- 8–10 days
- Available on all civil & military aircraft

+ 50% practical instruction

+ Focus on the specific tools

+ Customised on request

Autopilot Hydraulic Unit

In-depth knowledge on Autopilot Hydraulic Unit, its function & repair process for qualified technicians

- > Practice on maintenance tasks with associated tools
- > 50% practical instruction
- > 1–2 weeks for avionics & airframe technicians
- > Knowledge & use of technical documentation

Specific Avionics

Beyond the type qualification: expertise in avionics systems

- Autopilot & display systems
- Radio com & radio navigation systems
- Electricity systems

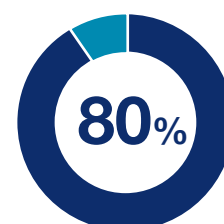
Objectives adapted on request:

- > Increase knowledge on basic systems
- > Focus on specific equipment

Emergency Flotation System

Proficiency in annual inspection & folding of floats as recommended by the manufacturer

- Dedicated to avionics & airframe technicians
- Practice annual inspection according to CMM
- Inflating, deflating, folding & packing
- Operating systems safely
- Tools & technical documentation
- Interface between the helicopter & the floats
- 5 days




Practical instruction

AS332 L2 | H225

1 Explanation
by the instructor

2 Demonstration
of inflating, deflating & folding

3 Practice & test
trainee's skills



> A renewal of qualification is recommended every 2 years

Technical Documentation

Maximise operation-readiness
& improve availability of parts

A five-day course with a focus on technical publications
and the anticipation of spare parts needs

- Technical publications
- Application of official documentation
- Forecast & order administration
- Transport & logistics
- 5 days



Demonstration of Tools & Applications
Keycopter, TIPI, Orion

Maintenance Check Flight

Manage technical flight for safer
operations & minimise down period

- > Content can be adapted to pilots, technicians or both
- > Balance between theory, simulation & flight
- > Apply processes & practice on detecting failure

Including:

- Track & balance in flight
- Performance check
& Simulation of failure

CUSTOMISED SOLUTIONS

Dedicated training content

- Training Need Analysis
- Bridge courses
- Maturation courses
- Customised courseware
- Connected Services

Development of training means

- Computer-based training
- E-learning modules
- Training tools:
Emulators, VMT, full-size helicopters



Training Need Analysis
to define course content



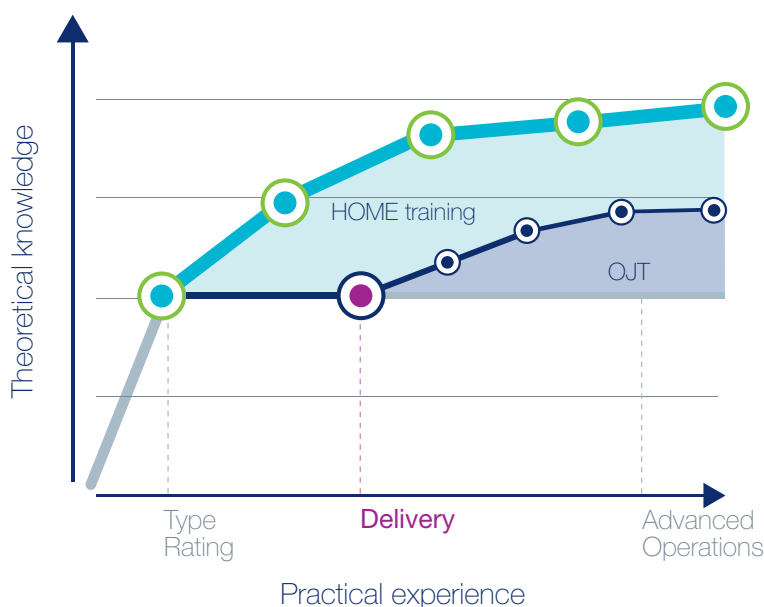
On Customers's site
during operations



Specific to Customer's
helicopter configurations

Hands-On Maturity & Enhancement

A dedicated programme for young, inexperienced or recently qualified technicians



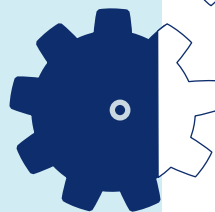
> To maximise autonomy on standard practices for maintenance tasks & inspections

> Improve skills & gain operational experience

HOME

with instructor

Development of hands-on skills to gain autonomy on standard practices & use of Tech Pub



Required experience



Instruction



Practice



System reinforcement



On-the-job training

with mentor

Assistance during entry into service through troubleshooting, aircraft consulting & servicing

Required experience



Instruction



Practice



System reinforcement



Contacts

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Training by Airbus Helicopters: your proficiency recognised



Airbus Helicopters Training Services
has received recognition from
worldwide airworthiness authorities.

*Note: All our Part-147 courses are also available
in a non-part version.*

Further approvals can be provided on request.

AIRBUS

AIRBUS HELICOPTERS TRAINING SERVICES

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