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SERVICES

Flight Training

Let's shape the future together now



AIRBUS

AIRBUS S.A.S. 31707 Blagnac Cedex, France
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AIRBUS

SAFETY

EXCELLENCE

QUALITY

KNOWLEDGE,
SKILLS & ATTITUDE

COMPETENCY-BASED
TRAINING & ASSESSMENT

LEARNING-BY-DOING

OEM EXPERTISE

WORLDWIDE

VALUE CREATION

“ The primary goal of Airbus Flight Training is naturally to ensure the safe and efficient flight of your aircraft, supported via the acquisition of solid basic flying skills and high quality flight training throughout a pilot’s education and career.

This is what we strive to achieve throughout the entire range of Airbus Flight Training courses and programmes, by continuously updating to the latest industry standards, safety recommendations, training concepts, methods and tools, to achieve and maintain pilot competencies.

From ab initio to ops training, the acquisition of these fundamental pilot competencies, knowledge, skills and attitude, are at the forefront of our objectives and programme criteria updates.

We look forward to accompanying you on this common goal. ”

Captain Stephan LABRUCHERIE
Airbus Head of Flight Training Worldwide

Your partner of choice for safe and efficient operations

We accompany you all the way through to **train**, and **maintain your pilots' competencies** throughout their career path.

Our courses are designed to develop **operationally-ready pilots** for a smooth integration from a training to an operational environment, via the Competence Based Training and Assessment (CBTA) learning concept.

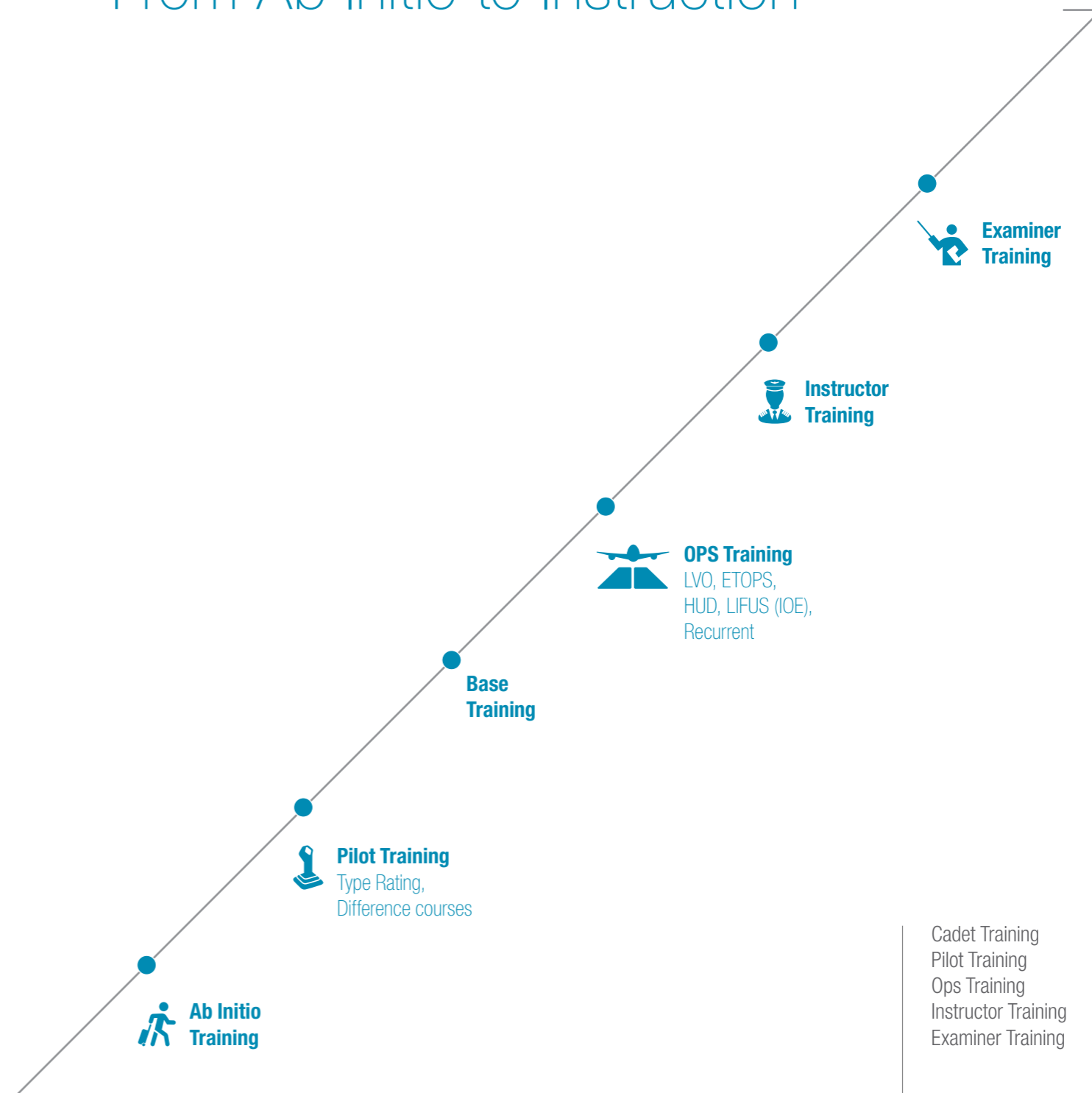
Our **global training network** allows us to offer **local, pragmatic and cost-effective** training solutions.

With our **full range of training services**, we offer training solutions adapted to any pilot's profile: from Cadet to experienced Instructors and Examiners, **to cover all your flight training needs throughout your pilots' career.**

BENEFITS

-  **A reference** for global and local **Airworthiness Authorities**
-  **Highest quality standards** built upon latest fleet & regulatory requirements
-  **OEM Expertise**
-  Committed to provide **“ready-to-fly”** pilots
-  Operational **benefits and savings**
-  **Competency-based training and assessment** deployed across our curriculum
-  Full integrated training programme from **Ab Initio to Ops qualifications**

Full range of services From Ab Initio to Instruction



Your worldwide flight partner

“Your training: Where, when and how you need it.”

Airbus Flight Training locations and approvals**

- 1 **ATC* Europe - Toulouse** (France) EASA/FAA/QCAA/ANAC/FATA/CAAV/Mexican DGAC/ UKCAA
- 2 **ATC* Beijing** (China) EASA/CAAC/DCA/FATA/ANAC
- 3 **ATC* Singapore** (AATC) EASA/CAAS/ANAC/CAAV/QCAA/DCA
- 4 **ATC* Miami** (US) EASA/FAA/ANAC/QCAA
- 5 **ATC* Denver** (US) FAA
- 6 **ATC* Mexico** (MEX) AFAC
- 7 **ATC* New Delhi** (India) EASA/Indian DGCA
- 8 **Ho Chi Minh** (Saigon, Vietnam) EASA/CAAV
- 9 **Seoul** (ATK, Korea) MOLIT
- 10 **Dubai** (UAE) EASA
- 11 **Brazil** (ABTC) ANAC
- 12 **Montreal** (ACTC, Canada) EASA/FAA
- 13 **Chile** (ACTC) Chilean DGAC

Flight Academy network

- Escuela de Aviación Mexico, EAM (MEX)
- Airbus Flight Academy Europe, AFAE (France)



FFS Locations	1	2	3	4	5	6	7	8	11	12	13
A220	-	-	-	-	-	-	-	-	-	1	-
A300-600 / A310	1	-	-	-	-	-	-	-	-	-	-
A320	2	2	2	4	4	2	2	2	1	-	1
A330 / A340	1	1	2	1	-	-	-	-	-	-	-
A350	1	1	3	1	-	-	-	-	-	-	-
A380	1	-	1	-	-	-	-	-	-	-	-

*Airbus Training Centre
 **Other training approvals can be obtained upon specific customer needs

Our training concepts

Training to proficiency



- Fleet wide experience feedback
- Airworthiness authorities directives
- Aircraft design flight tests and development
- Continuous dialogue with customers
- Prevent and promote crew error management
- Anticipate and manage operational threats
- Enhance ground and flight operations safety
- Continuous improvement of pilot competencies

Our priority: your knowledge, skills and attitude excellence

- ⊕ Learning-by-doing
- ⊕ Balance between theory and practice
- ⊕ Balance between self paced and guided learning
- ⊕ Highly standardised and qualified instructors
- ⊕ Evidence-based training
- ⊕ Focus on “need to know”



We innovate in training concepts and technologies.



Injecting reality into training

Mobile Airbus Training experience (MATE Suite)



Airbus Virtual Procedure Trainer (VPT)



Full Flight Simulator (FFS)





Airbus Pilot Cadet Training Programme

Developing your future pilots from screening to operations

Customized solutions to source and train pilots, captains & future flight leaders as per your needs.

Initial training (CPL/IR/ME) carried out with Airbus Flight Academy network.

Intermediate training (JOC/MCC) performed in Airbus Training Centres across our global network, just as for Advanced training (Type Rating) and Ops training.



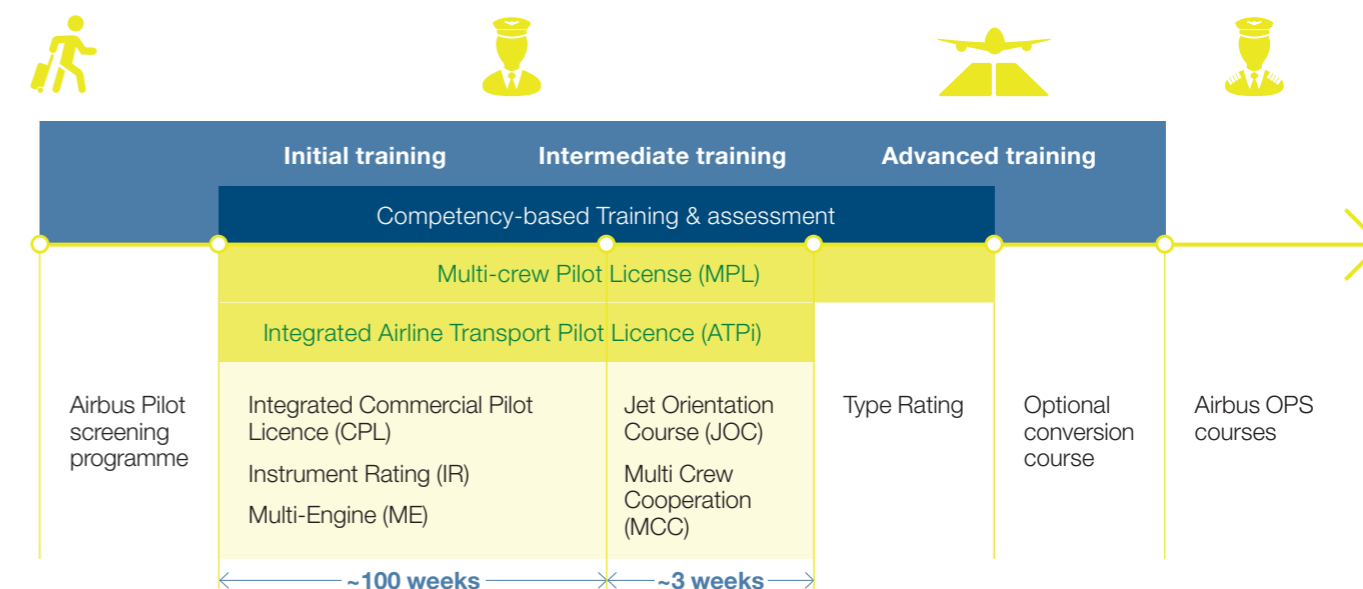
Initial training phase developed in cooperation with Ecole Nationale de l'Aviation Civile (ENAC)



European Aviation Safety Agency approved course



Mexican Dirección General de Aeronáutica Civil (DGAC) approval



BENEFITS

- ⊕ EASA based **integrated ATPL and MPL programmes**
- ⊕ **Competency-based training and assessment** methodology from day 1
- ⊕ Optimised & progressive training path **adapted to individuals**
- ⊕ Course designed to produce **pilots ready to operate**
- ⊕ Programme reflecting the **latest fleet & regulatory standards**
- ⊕ **Customised** training solutions: optional licence conversion course...
- ⊕ **Engaging** and **effective** training pathway

Pilot Training

Competency-based training & assessment

Our modular competency-based programme provides a choice of optional intermediate modules depending on the level & experience of the student, before progressing to the advanced modules that constitute the full Type Rating*.

Knowledge

Systems & procedures (Flight training solutions and APT trainers)

Skills

Manoeuvres in a dynamic environment (FFS)

Attitude

Crew concept and task sharing

Intermediate Training Modules

- Instrument Rating Reinforcement
- Multi-Engine exposure
- Jet Orientation Course
- Multi-Crew Cockpit cooperation

The Intermediate optional modules allow an adapted curriculum with the opportunity to re-instil or reinforce the fundamental skills & competencies of the pilot.

Type Rating

- Entry Module
- Type Rating/procedural
- Type Rating/simple
- Type Rating/complex

The Type Rating modules provide the student with a smooth transition from a basic flight environment to a complex flight environment.

The competency-based training concept prioritises the development and assessment of the fundamental pilots' competencies successful execution.

Manual handling in the Full Flight Simulator (FFS) is introduced at the earliest possible stage providing an increased opportunity for practising throughout the course & evolving to include more scenario-based flights towards the end of the course.

*Available for A320, A330 & A350. Classic programme and standard Type Rating available for other aircraft types (A340, A380...)

Base Flight Training or ZFTT

To be performed after Type Rating (Transition Training) or Cross Crew Qualifications (Reduced Type Rating course).

Base Training on your aircraft with our instructors

Ensuring the "transfer of skills" from the FFS to the aircraft.

OR

Zero Flight Time Training (ZFTT)

Acquiring the competencies to fly with the sole use of FFS sessions in cooperation with airlines.

BENEFITS

- ⊕ Focus on training for the individual
- ⊕ Development & assessment of fundamental pilot competencies
- ⊕ Smoother integration from a training environment to an operational environment



“Your competence management, our long-term commitment.”

Reduced Type Rating

Cross Crew Qualification (CCQ)

Pilots can qualify from one Airbus fly-by-wire type to another through a Reduced Type Rating course instead of a full Type Rating course (Transition training).

Common Type Rating

Difference Training

Airbus has been granted regulatory approval of a Common Type Rating (CTR) for the A330 and A350 XWB, based on handling similarities. A330 pilots are expected to qualify on the A350 XWB without Full Flight Simulator time. An FTD Level 2 is used instead during the proposed CTR difference training course.

Single Fleet Flying

SFF

One pool of pilots flying related aircraft under a single license endorsement.

Mixed Fleet Flying

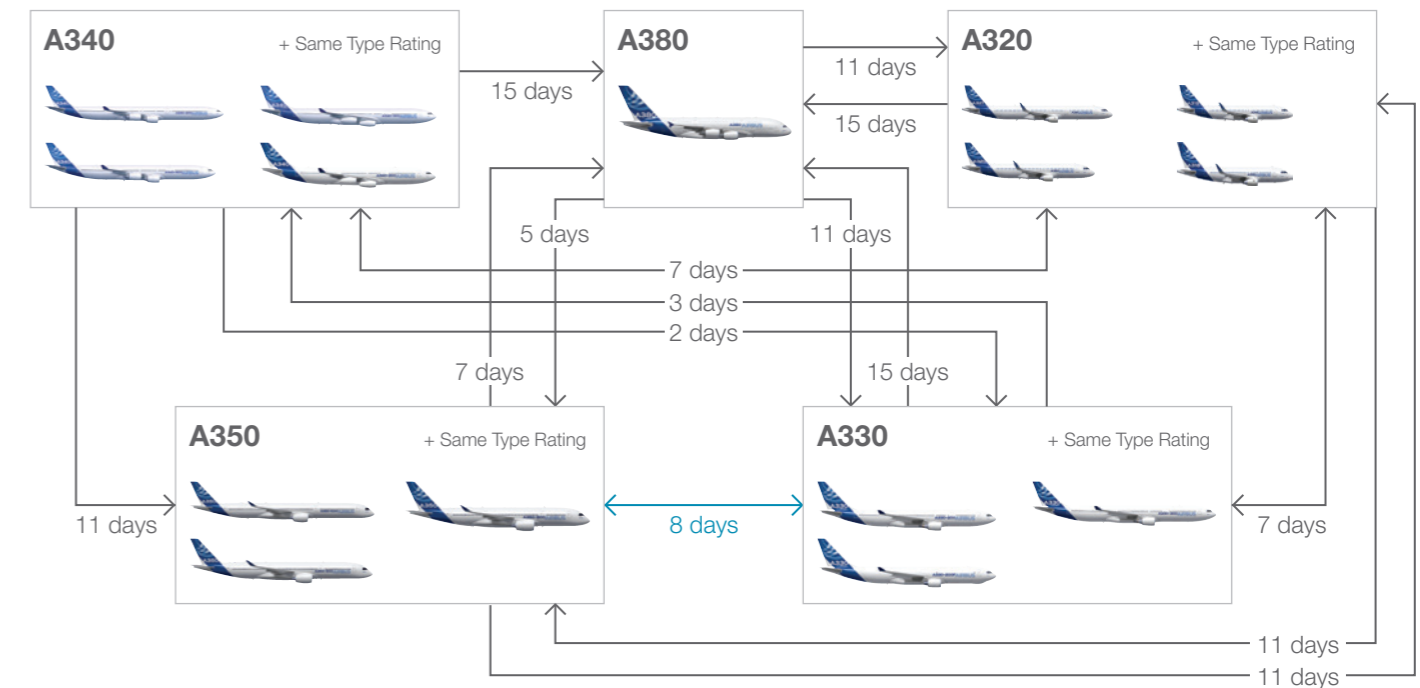
MFF

Flying different Airbus aircraft types by one pool of pilots.

BENEFITS

- ⊕ Pilots trained on one type of aircraft feel equally comfortable in any of the others
- ⊕ Reduced Type Rating: Cross Crew Qualification paths
- ⊕ Greater scheduling flexibility with a pool of multi-qualified pilots
- ⊕ Significant savings thanks to reduced costs of training and reduced time off duty
- ⊕ Stronger motivation of pilots and better opportunities throughout their career path

Unrivalled flexibility within the Airbus aircraft families



↔ Common Type Rating path (Difference training course)

↔ Reduced Type Rating (Cross Crew Qualification)

50+

Operators benefit from reduced Type Rating (CCQ)

60%

of them also practice MFF worldwide

CCQ and MFF combined can save up to:

\$1 million

per additional aircraft and per year due to a training cost reduction and increased productivity

Air Operations Training

Command course for first officers who wish to be upgraded to command level

Designed in accordance with the CBTA principles, the Airbus Command Course integrates the latest international standards and interlinks operational issues with the required pilot competencies.

The course has a special focus on Commander Resilience and develops the following competencies:

- leadership & teamwork
- problem-solving & decision-making
- workload management

as well as considering threat and error management within complex operational and environmental contexts.

ETOPS

Extended-range
Twin-engine Operation
Performance Standards

UPRT

Upset Prevention
Recovery
Training course

LVO

Low Visibility
Operations

HUD

Head-Up
Display

Technical Flight Familiarization (TFF)

Also named Maintenance Check Flight (MCF) course, provides knowledge, skills and attitude required for non-revenue technical flights (post maintenance visits, painting and/or major repairs) or acceptance flights.



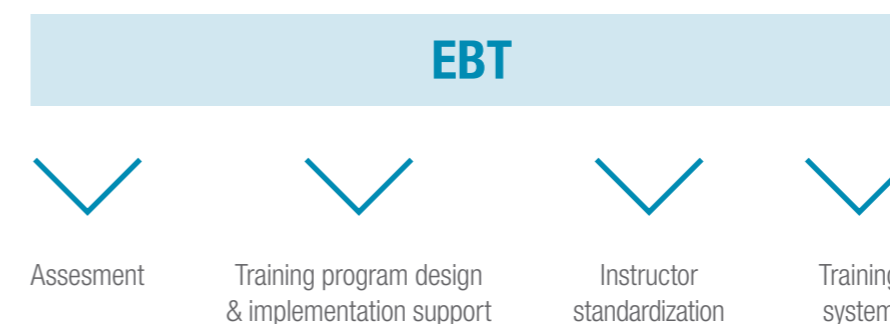
Recurrent Training Services

Airbus is continuously developing our Recurrent Training and Checking courses, from a traditional course to introducing Competency-Based Training and Assessment in our Evidence-Based Training service.

Evidence Based Training (EBT)

Covering requirements for recurrent training systems review and simulator training.

Airbus has developed a tailored recurrent flight training service incorporating the CBTA/EBT training philosophy, which has been shown to enhance safety by developing both technical and non-technical competencies. Our EBT service allows your instructors to reduce their downtime and line check time, while benefiting from a complete EBT Training System, including assessment, training program & design, instructor training, and ongoing support. Our service is designed to reduce your development costs, provides the right exercise for the right competence, and allows you to benefit from Airbus experience, customized to your operations.



Operational support

LIFUS (Line Flying Under Supervision)*

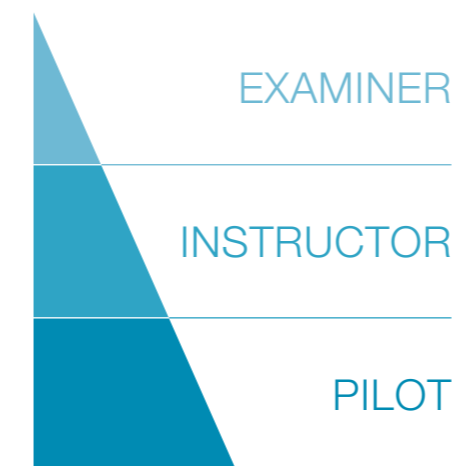
An Airbus instructor fully immersed into your operation:

- Providing expertise in your flying environment
- Continuity with Airbus Type Rating training or Cross Crew Qualification programme (Reduced Type Rating course)

*LIFUS (Line Flying Under Supervision) is also called IOE (Initial Operating Experience).



Accompanying pilot's career progression



Instructor and Examiner Training

Instructor courses

Acquiring the competencies to conduct flight crew training within your airline, extending and refreshing your knowledge. All our Airbus Pilot Instructor Courses (APIC) integrate the Competence Based Training and Assessment learning concept:

For future or experienced instructors:

- APIC Core Course
- APIC Type Specific Course
- APIC Assessment Of Competences (AOC)
- APIC for LIFUS or Base Training
- UPRT for instructor

Examiner courses

Acquiring the competencies to run a License Skill Test (LST), License Proficiency Check (LPC) and Operator Proficiency Check (OPC).

Airbus Flight Training solutions

MATe Suite

The Mobile Airbus Training experience. Your digital flight training partner.

MATe Suite covers the **complete flight ground curriculum**, from **Initial type rating** to **Recurrent** training, including:

- Systems Knowledge Modules in a 3D virtual environment
- Familiarisation Briefings library
- Examination system
- Procedure tutorials
- Flight Crew Training Programme
- Optional modules and services

Cloud based, MATe Suite is **easy to install**, and can be used **online or offline**. It is compatible with most common devices and OS, including **iPad**.

Train, monitor and check your flight crews' training progress **When, Where** and **How** you need it!

A320
A330
A350



BENEFITS

Highest Training quality

- ⊕ Content based on the Airbus Flight Training standards, with approved courses and concepts

Up-to-date

- ⊕ Benefit from the latest Airbus OEM data

Mobility and flexibility

- ⊕ Accessible online and offline with self-paced training

Enhanced training performance

- ⊕ Efficient learning process in our 3D interactive virtual environment

Cost savings

- ⊕ Significant time saving for courseware development and approval
- ⊕ Reduced travel and work disruption

Virtual Procedure Trainer (VPT)

The Airbus Virtual Procedure Trainer is interactive flight training software designed to:

- **Familiarize trainees** with the cockpit earlier and more often
- **Learn and rehearse procedures** including the walk-around

VPT can be used in **Virtual Reality for an immersive experience** or with a **standard flat-screen device** (tablet, laptop) for added flexibility and portability.

Trainees immersed in the VPT will benefit from a fully interactive high-definition cockpit to:

- Learn the procedures by building muscle memory
- Experience realistic haptic feedback
- Connect remotely with other trainees to train together as a crew
- Train solo with the self-led training mode
- Optimize time in Flight Simulation Training Devices.

A step beyond with immersive Pilot Training!



MATe Suite

- System Knowledge Modules
- Familiarisation Briefings
- Examination system
- Procedure Tutorials
- Flight Crew Programme

VPT

- Cockpit Familiarization
- Procedure Learning and Practice



Your **cost-effective** training solutions.



e-Training

Benefit anytime, anywhere from our latest training standards and manufacturer data integrated into our e-Training offer.

Airbus Familiarisation Briefings and courses are designed as self-study programs:

- to cover differences between aircraft variants: e.g. A320neo, A330neo A330 pax to A330 F, A350-900 to 1000...
- to become familiar with new systems and procedures:
 - Upset and Prevention Recover Training (UPRT),
 - Performance Based Navigation (PBN),
 - A350 BTV/ROPS Step 3,
 - A350 Auto emergency decent,
 - Harmonised Primary Flight Display (hPFD),
 - HUD,
 - Reduced Vertical Separation Minimum (RVSM) course,
 - etc.

We offer a comprehensive set of learning media for systems knowledge to address pilots' training needs, with a special focus on recurrent training.

BENEFITS

- ⊕ Airbus educational content at highest standards, with OEM-backed data
- ⊕ Self-paced study for better knowledge retention
- ⊕ Content available online and offline for any Airbus aircraft type
- ⊕ Efficient Learning Management System (LMS)
- ⊕ Possibility to edit Airbus declaration of attendance at course completion

To learn more on Airbus e-Training catalogue, please visit aircraft.airbus.com