



alx

**ALL YOUR AIRCRAFT
IN ONE SIM FOR
COMPLETE TRAINING**
FNPT II MCC (EASA)
AATD (FAA)



alsim 

FLIGHT TRAINING SOLUTIONS

400+ CERTIFIED SIMS, 300+ CUSTOMERS,
50 COUNTRIES, SINCE 1994



JEAN-PAUL MONNIN

First of all:
thank you for your interest in our solutions.

Choosing the right simulator partner for
your business is a very tough decision.

Since 1994 our continuing mission has been
to develop, create and enhance FSTDs with the
most efficient flight and training experience
possible along with excellent customer service.
Our goal is to provide you with a solution to
prepare pilots up to an airline standard. Our
desire to accompany organisations in achieving
their objectives has gained us the trust of
more than 300 customers, while at the same
time seeing real growth in their business.

With this brochure we hope to give you an insight
into our processes, products and solutions.

We look forward to doing business with you.



Jean-Paul Monnin
CEO / ALSIM Simulators



AUDREY JEFFROY

We are very proud to present our state-of-
the-art ALX simulator, which will help you
meet the needs of today's pilot training
programs while at the same time opening
the door to airline training standards.

Alsim not only aims to offer you the best
simulator in terms of technology but also to
take care of your operational, technical and
training needs. Providing you with tools to help
simplify your life and allow you to focus on your
business is at the center of our sales process.

Unlike other manufacturers, we are also
involved in pilot training on a research level
and are keen to see pilot training progress
further, but we also supply the turnkey solutions
required to support a winning operation.

Want to know more?

Feel free to get in touch with us, and we will
be very happy to show you our devices and
examine your project needs together.



Audrey Jeffroy
Sales Director / ALSIM Simulators

ALL YOUR AIRCRAFT IN ONE SIM



DISCOVER A NEW CONCEPT

ABOUT ALSIM

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THE BEGINNING OF A JOURNEY

In 1994, a unique idea was brought to life by airline pilot Jérôme Binachon and computer engineer Jean-Paul Monnin: developing a flight training device that combines different aircraft types in one simulator.

Today ALSIM can lay claim to the title of market leader for fixed base FNPT II.

A constant process of evolving our products over the years has enabled us to offer our customers an advanced end-to-end turnkey solution with the ALSIM ALX.

The development of our devices and services is a continuous process in close collaboration with customers and our very own ATO (Approved Training Organisation).

The feedback we get is of great value to us in our continuous research and development, keeping our products and services up-to-date to the benefit of our customers' businesses.

But it doesn't end there: we can take our customers a step further with real value-added services to meet their daily business needs.

The Advantages of ALSIM

1. FSTDs at the leading edge of technology
2. Solutions centered on customers' business requirements and feedback
3. Focus on a comprehensive educational concept
4. Support throughout the entire project
5. Proven track record in the field since 1994
6. Solid customer base



“ALSIM - as a company and partner - not only manufactures first-class flight simulators, but also focusses on delivering added value to the scope of its customers' businesses.”

Mickaël Herard

Qualification & Product Manager

With our ALSIM Solutions (process, products and services) we ensure that the simulator adapts to your business model in the most efficient way.

WHY CHOOSE ALSIM?

Every ALSIM solution is developed through a dialogue with our customers, helping us to provide business solutions you can rely on. This also results in new and unique training applications driven by customer satisfaction.

We ALSIM people know of at least five reasons

-
1. Educational Innovation

 2. Airline-Ready Pilots

 3. Cost-Efficient Training

 4. FAA & EASA Support

 5. Simulator Operator

1. Educational Innovation

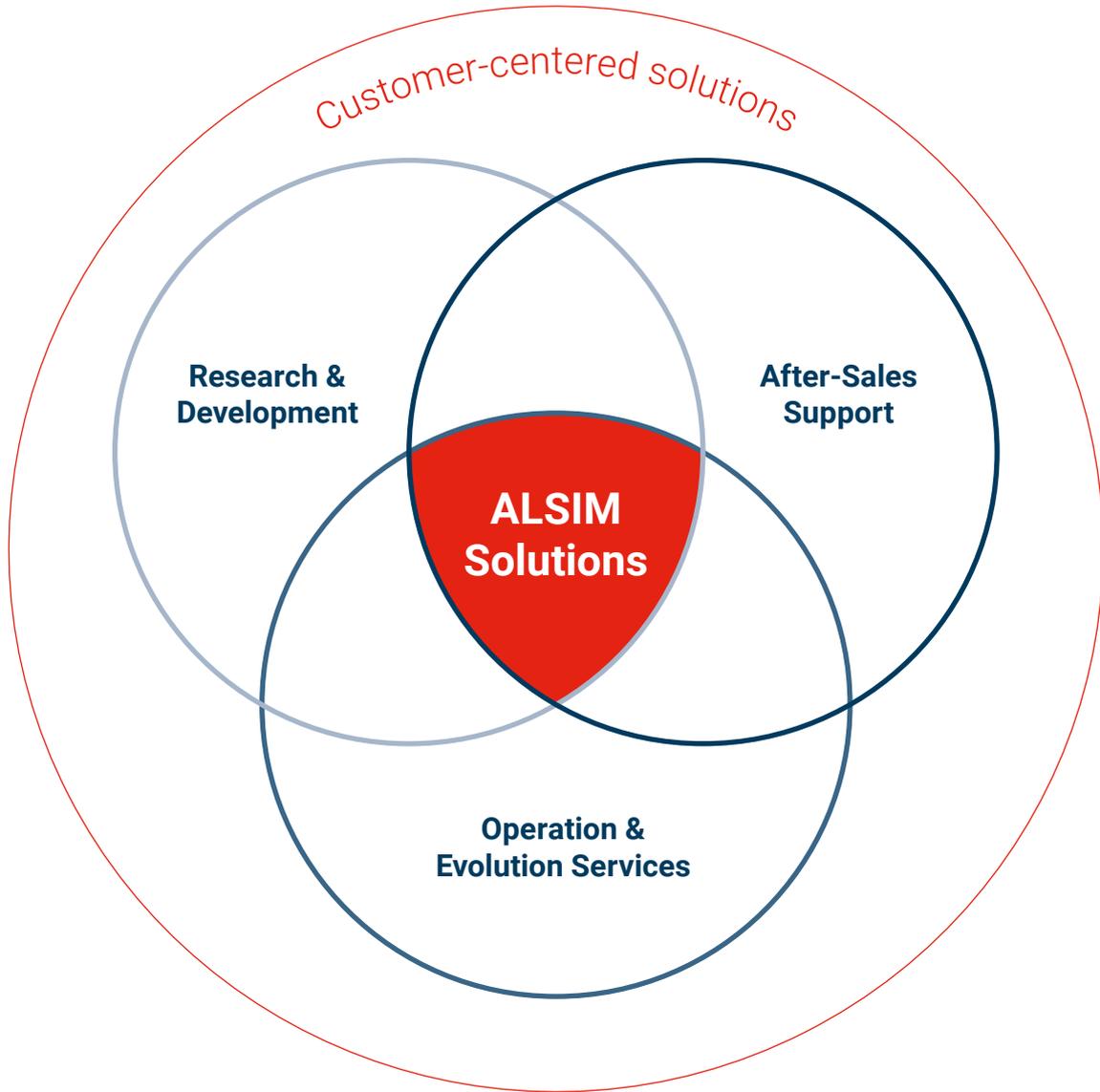
With the ALX simulator, ALSIM presents a new and innovative training concept that combines various aircraft types in one single simulator. In contrast to the ALSIM type-specific training devices, the purpose of this simulator is to act as a training tool to provide skills for a wide range of aircraft: single piston, twin piston, twin turbine and medium category twin jet. The principle involved is not learning to pilot and control one specific aircraft but to understand the logic and procedures common to each class of aircraft. This means that the instrument panel has to be designed with this in mind: it must not mirror the design of any particular aircraft but reflect all the systems that might be found in each aircraft class. All our devices are made with the same precision, with the highest quality of training constantly at the forefront.

2. Airline-Ready Pilots

The ALX simulator offers comprehensive training: the future pilot can use it all the way to Type Rating. Our aim is to optimize training, improve the way pilot and co-pilot work together and prepare airline-ready pilots for employment.

3. Cost-Efficient training

A flight simulator is safer and less expensive than an aircraft, you can use a simulator 24/7. As the ALX is capable of simulation up to 10 different flight models it could benefit to your return on investment.



FACTS & FIGURES

25

Years
of experience



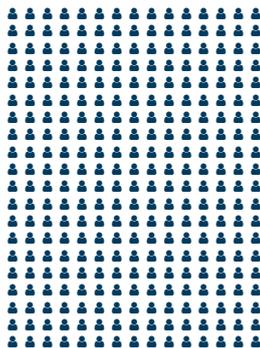
50

Countries we
are active in



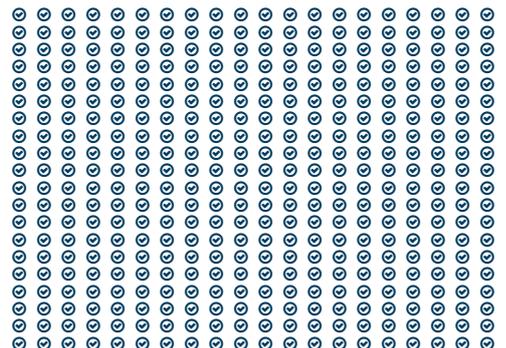
+300

Satisfied
customers



+400

certified
SIMs



WHY CHOOSE ALSIM?

4. Qualification Support

We understand that a simulator is a major investment, which is why ALSIM provides you real support in terms of qualification. Our dedicated team will work closely with the relevant authorities to ensure that your simulator is easily and quickly qualified and guarantee you peace of mind.

ALSIM constantly collects and monitors information on how its products and systems are used. This information is fed to the R&D department to answer ALSIM'S clients needs and keep the simulators at the leading edge of technology and in compliance with aviation requirements.

This is why we have developed specific tools that take into account your ATO needs and constraints. Our qualification tools, thanks to their user-friendly interface and advanced automation, help you save time and facilitate your work with regard to compliance monitoring activities.

Let ALSIM simplify your job.

All our simulators – more than 400 – are qualified. With these devices and many useful tools, there is no better guarantee for you to have your simulator certified and ready-to-use.





5. ALSIM AS YOUR SIMULATOR OPERATOR

YOU FOCUS ON YOUR CORE BUSINESS.

WE'LL TAKE CARE OF THE REST.

Benefit from a truly advantageous service that very few simulator manufacturers can offer. Choosing ALSIM as your simulator operator allows you to concentrate on operating your simulator and free more time for your job: training future pilots.

Get rid of the paperwork!

ALSIM being the operator... means less pressure on you:

- » Acceptance of your device according to applicable standards and training needs
- » Technical compliance of your device according to CS-FSTD
- » Communications and negotiations between authorities and ALSIM
- » Initial and recurrent training of your technical staff
- » Compliance monitoring of the FSTD
- » Maintenance and update of the FSTD

Why does ALSIM offer such a service?

EASA regulations require operators to establish, operate and maintain a Compliance Monitoring System (CMS).



A CMS can be a big challenge for small organizations:

- » Limited resources and lack of an FSTD "expert"
- » Additional workload and responsibilities for the flight school
- » Required knowledge of FSTD regulations and specifications usually out of ATO "core competency"
- » Uncomfortable position of the operator being stuck in the middle between the authorities and the manufacturer
- » Risk of operational delays if the ATO does not comply at the first attempt
- » FSTD evaluation and CMS audit fees can be very high when applying to EASA

To help your ATO, ALSIM will :

- » Operate your FSTD according to EASA applicable standards
- » Take responsibility for the overall qualification and compliance monitoring of your FSTD

FSTD QUALIFICATION & OPERATION SOLUTION



“ALSIM not only sold us a great device, but the company also took care of the entire qualification process of our FSTD, and took on the role of the simulator operator.

This way, we can concentrate on our core business: flight training.”

Patrick Fenech,
Managing Director



MALTA SCHOOL OF FLYING

Malta

Compliance Monitoring Management:

- » Authority fees management
- » FSTD initial and recurrent evaluation full management (application, evaluation scheduling, on-site support, corrective action follow-up)
- » CMS internal & external audit
- » CMS training of ATO's staff
- » CMS documentation

What are the benefits for your school?

- » Efficient cost management of all FSTD operations with an “all-inclusive” package (maintenance, update, database, compliance)
- » Workload reduction and time saving for more important tasks focused on training core competency
- » Maintaining a state of the art FSTD featuring the latest innovations via the Evolution Services (for details see p.35)
- » Guarantee of a 100% compliant device and approval without restrictions

THE ALSIM PROCESS

OUR EXPERIENCE - TO YOUR ADVANTAGE

From the drawing board to the simulator, ALSIM has continually evolved over the years by interacting at all levels of FSTD implementation. Our teams provide you with an excellent level of service from sales to maintenance and simulator evolution.

THE PROCESS IN DETAIL



Needs Assessment

Kick-off workshop to determine your business requirements

Defining and evaluating the right configuration for your training needs

Contract signing, first deposit



Project Management

Project validation

Manufacturing and configuration of device

Logistics planning & delivery



Staff Training / Device Installation

Maintenance training

Instructor training

Training of flight scenarios

Installation of device on site

Qualification training



Qualification Support

Qualification training for easy qualification process

Customer support for initial qualification via remote connection or on site at customer's request

Recurrent/annual qualification support



Ready-to-Use Simulator, Service, Support & Maintenance

Two-year warranty

User support and maintenance services during warranty period

Annual maintenance training renewal at customer's request



Hardware & Software Evolution

Instructor station & HD visual system, TCAS, weather radar, WAAS/EGNOS/LPV

New flight models

Updated Jeppesen®/ALSIM airport database

Improved hardware displays, control loading, visual equipment

THE ALX ALL YOUR AIRCRAFT IN ONE SIM

The ALSIM ALX, EASA and FAA-qualified FNPT II, is different in its conception: it supplies a complete training cycle where ab initio students with zero hours' experiences will be trained to the level of airline-type rating standards.

A full training cycle solution tailored to your training needs.

ALX students can be **trained on several aircraft classes using only one device**: thanks to this "wider" approach students become **competent to make the right decisions**.

The ALSIM ALX simulator offers up to 4 classes of aircraft – from single engine piston, twin engine piston, twin turbine up to medium category twin jet (generic B737/A320).

Designed and approved for ATPL, CPL/MCC, JOC and pilot selection, the ALX offers advanced technology simulation equipment **tailored to your training needs**.

In addition, the ALX simulator has a proven track record for cost-effectiveness and helps save numerous aircraft hours.

The ALX is qualified according to CS-FSTD A and FAA rules as well as in many countries:

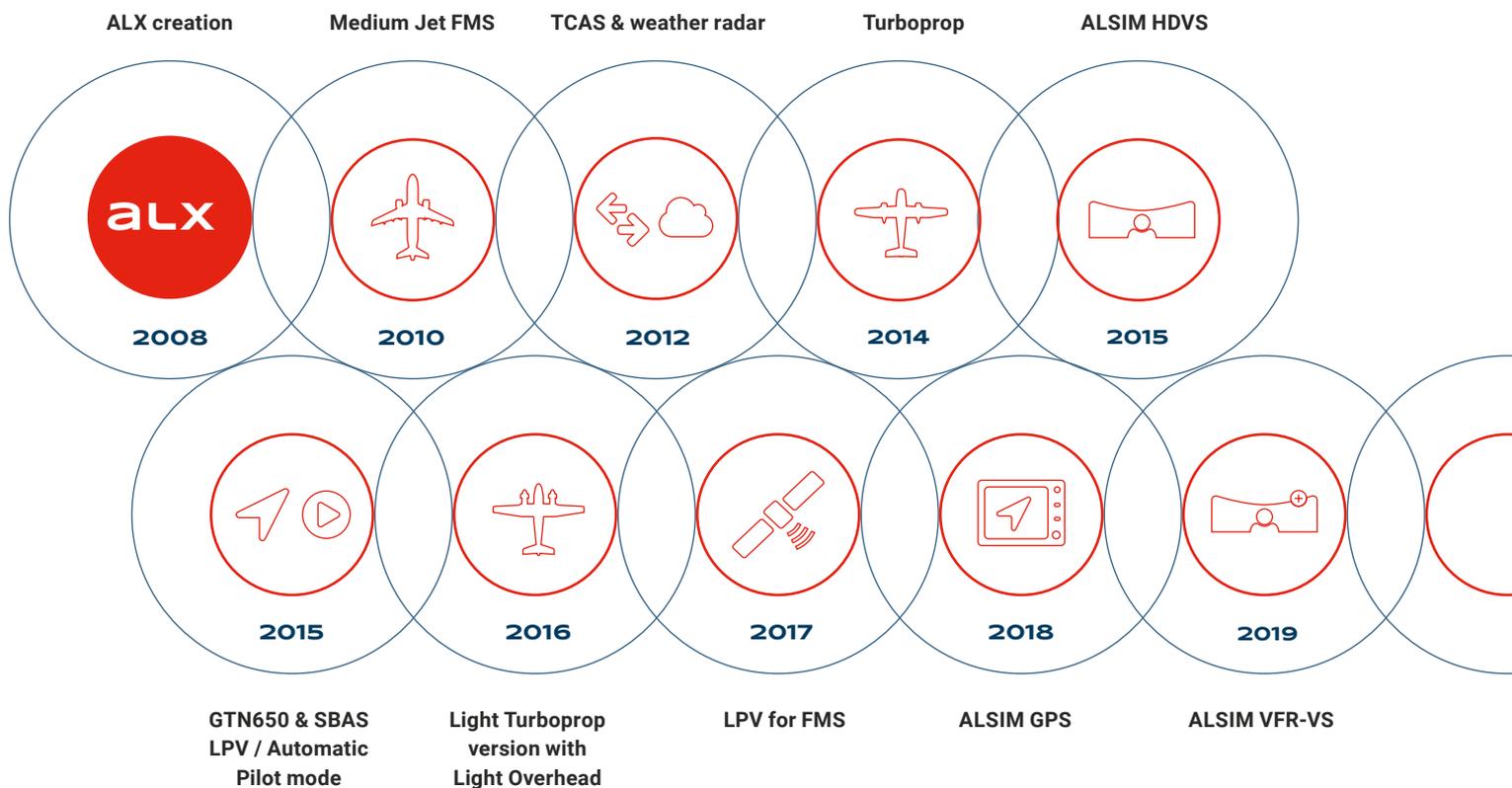
-
- » CS-FSTD A – FNPT II & FNPT II MCC
-
- » FAA - AATD

ALX Benefits

-
- » Scalable device to fit and grow with customer demands
-
- » Modular set-up of device and its components
-
- » Easy maintenance for minimal downtimes
-
- » Covers up to 4 different aircraft types and 10 different flight models
-
- » Advanced visual system
-
- » High degree of realism (VFR-VS & force feedback)
-
- » Support for customers to set up an efficient training program

ALX: A BLUEPRINT FOR EVOLUTION

The ALX is many devices rolled into one, and this is no accident. Our development process is designed on an open platform, giving us the flexibility to evolve and branch out from the original blueprint from 2008.



Our R&D teams work hand in hand with service teams and customers to bring about a non-stop evolution of training features.

The result is software and hardware which keep up with the times and mean you can retrofit your virtual fleet at the drop of a hat.



THE ALX RANGE

Thanks to these configurations, any flight school can choose the best level to fit its needs; moreover, the range allows the school to think a step ahead as the ALX is fully upgradable from one level to the next.

| FLIGHT MODELS | PHASES | Analog | Glass |
|--|----------------------|---|---|
|  Single Engine Piston | PPL |  |  |
|  Single Engine Piston Complex | CPL & IR/SE |  |  |
|  Multi Engine Piston | IR/ME & Glass |  |  |
|  Light Turboprop | MCC Light Turboprop | |  |
|  Medium Turboprop | MCC Medium Turboprop | |  |
|  Light Jet | MCC Light Jet | |  |
|  Medium Jet | MCC Med Jet | |  |
| EQUIPMENT | | | |
| Dual FMS | | | |
| Complex overhead | | | |
| Medium Jet throttle quadrant | | | |
| Nose wheel steering | | | |
| DUAL GPS (WAAS/SBAS) | | | |
| 208° x 49° panoramic visual system | | | |
| Graphical touch screen instructor station – with 2 large screens | | | |
| TCAS (or TAS for MEP) | | | |
| Weather radar | | | |
| Maintenance spare parts kit | | | |
| Butt kicker (optional) | | | |



7

4

1

5

3

2

8

10

6

COCKPIT

Discover the design of a cockpit which caters for our full range of aircraft environments.

1 Instrument Panel

The ALX provides you with large number of desired cockpit displays required for your training. From the simple analog (right image) to a complex glass configuration (example in the big picture). Changeable on the fly by the instructor.



Analog display example

2 Quick-change levers

Up to 3 power quadrant configurations are available for the ALX flight simulation experience. They can be switched simply within a few minutes.



Piston & Turboprop Quadrant Levers



Light Jet Quadrant Levers



Medium Jet Quadrant Levers

3 Force feedback yoke

Elevator and aileron flight controls. Also provides useful functions such as electrical pitch trim, chrono timer, push to talk, autopilot and flight director disconnection.

4 3-axis autopilot

Autopilot: LNAV*, VNAV*, HDG, NAV, FLC, ALT CHG, APPR, YD*, IAS, A/THR*, V/S.

*depends on flight models.

5 GPS

Standard: generic COM/NAV/GPS receivers with moving map display. Navigation database is included to perform VLOC/GPS navigation, flight plans and procedures. Optional: real Garmin GTN 650 units.

6 Dual FMS

Generic FMC with MCDU allows the user to predict and manage flight lateral/vertical navigation according to environmental conditions and aircraft performances/limitations. Available for light jet and medium jet.

7 Complex overhead

All mandatory aircraft systems for normal/abnormal/emergency procedures are integrated. All breakers are connected to system and can be controlled from the instructor station.

8 Nose wheel steering

Provides nose wheel directional control on ground for medium turboprop and medium jet. Landing gear control unit computes nose wheel deflection according to current aircraft taxiing speed.

9 Clipboard holder

Useful for checklists or procedure charts. Reading light provides good readability in dark environment. iPad holder optional.

10 Smoke machine (required for MCC training)

The Cabin Smoke integrated system allows the instructor to train cabin smoke exercise in the simulator. Includes two oxygen masks.



The ALX is compliant with the most widespread standards in aviation such as those of the EASA and FAA:

- » EASA CS FSTD A-FNPT II for piston models
- » EASA CS FSTD A-FNPT II MCC for turbofan and turboprop models
- » FAA 61-136 AATD
- » TC TP9685E FTD Level 2 (+ IPC)

Initial training is undoubtedly the most important step in a pilot's career. Therefore the ALX simulator has been specifically developed to answer this training need, from PPL up to Type Rating preparation.

TAILORED FOR COMPLETE TRAINING

A recent ICAO initiative, the Multi-Crew Pilot License (MPL), offers an alternative to the Air Transport Pilot License (ATPL), which requires extensive use of flight simulators. Our innovative machine, the ALX, will give you not only the credit hours needed with its multiple aircraft classes but, more importantly, you will design courses beyond the required standard: PPL, CPL, ATPL theory, airline selection and JOC courses.

MPL APPROVED

The ALX complies with all phase 1 & 2 requirements and most of the features required for phase 3 are taken into account. This clearly means that the ALX can be used in order to extend phase 2 and therefore minimize phase 3 to save time in a Full Flight Simulator.

This combination of only two simulators will avoid the necessity to purchase expensive Level B FFS for phase 3 or reduce the number of hours in an FFS if the customer wanted to consider this device for phase 3 & 4.

Among the 26 approved MPL programs running today, 4 use the ALX for:

- » MPL Phase 1: 55 hours
- » MPL Phase 2: 80 hours

The following tables show the possible credit hours on an ALX for traditional ATPL and MPL courses:

| | Traditional ATPL | | | | | | | MPL | | | |
|-----------------|------------------|----------|----------|----------|------------|--------------|------|-----------|------------|------------------|---------|
| | PPL | CPL | IR | ME | MCC | MCC JOC/ APS | TR | PHASE 1 | PHASE 2 | PHASE 3 | PHASE 4 |
| Aircraft types | | | | | | | | | | | |
| Simulator types | BITD/ FNPT 1/2 | FNPT 1/2 | FNPT 1/2 | FNPT 1/2 | FNPT 2 MCC | FNPT 2 MCC | FFSD | FNPT 1/2 | FNPT 2 MCC | Equivalent FFS B | FFS D |
| ALSIM ALX | ALX (65) | | | | | | | ALX (135) | | | |
| | 40 | 5 | 80 | 15 | 40 | 20 | | | | | |

EASA: Traditional ATPL Course with an ALSIM ALX

| Phases | PPL | | | | Time Building - CPL | | | | | | | | | | | | IR - ME | | | | MCC | | | | Type Rating | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----------|----|----|----|---------------------|----|----|----|----------|----|----|----|----|----|----|----|----------------|----|----|-----|----------------|-----|-----|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Hours | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 |
| Training Tool (hrs) | SEP (40) | | | | ALX - SEP (5) | | | | SEP (80) | | | | | | | | ALX - SEP (40) | | | | ALX - Jet (20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

EASA: Approved MPL Course with an ALSIM ALX

| Phases | PHASE 1 | | | | | | | | | | | | PHASE 2 | | | | | | | | | | | | PHASE 3 | | | | PHASE 4 | | | | | | | | | | | | | | | | | | | | |
|---------------|-------------|----|----|----|------------------|----|----------------|----|----|----|----|----|----------------|----|----|----|----|----|----------|-----|-----|-----|----------|-----|---------|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Hours | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 |
| Training Tool | SEP (60) | | | | | | ALX - SEP (55) | | | | | | ALX - Jet (80) | | | | | | FFS (16) | | | | FFS (36) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ALX (hours) | | | | Airplane (hours) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TRAINING WITH COMPREHENSIVE POSSIBILITIES

Initial training is undoubtedly the most important step in a pilot's career. The ALX simulator has been specifically developed to answer this training need, from PPL up to Type Rating preparation.



PPL, CPL and IR

Thanks to the ALX simulator, a high number of credit hours can be obtained for PPL/CPL/IR training in most aviation regulations, simply because it meets 100% training goals.

The ALX's generic environment makes it possible to use it in combination with any kind of aircraft. ALX SEP and MEP configurations are ideal for this training phase. Besides authorized credit hours, numerous schools use the ALX to enhance their student's abilities training and at the same time cut costs.



Analog to glass transition

Even though most aircraft are equipped today with EFIS instrumentation (Electronic Flight Instrument System), training on classical (mechanical) instruments remains an important step in the learning process of any young pilot. ALX helps the trainee to try out both systems and feel comfortable in any kind of aircraft.

One outstanding benefit of the ALX is that it enables the instructor to change the configuration in one click: the instrumentation, performance and aircraft quality are modified depending on the aircraft you want to fly.



Familiarization - engineers/mechanics, ATC, theoretical ATPL

The ALX simulator is ideal for illustrating concepts taught theoretically to future engineers, ATCs (Air Traffic controllers), mechanics or pilots. Navigation, radio navigation, operational procedures, performance or event-related human factors are often complex and sometimes too abstract for young pilots without flight experience. The ALX appears to be the ideal resource for applying these lessons in a practical environment.



Multi Crew Cooperation (MCC)

MCC is a real simulator training. Once again, the generic environment is ideal for this training, whose aim is to develop technical and non-technical aspects of knowledge, abilities and behavior required for multi-crew aircraft flying. The generic concept avoids any drift towards “type training” or “system training” which is not essential at this stage of the course and keeps the student focused on the very core of the training: multi-crew coordination.

Thanks to procedures and generic systems, the trainee will remember the general working principles and the use of complex systems (pressurisation, oxygen, fuel, electric, autopilot, de-icing, fire protection, etc.), the distribution of associated tasks, the use of Standard Operating Procedures and implementation of CRM techniques (Crew Resource Management) in situations requiring awareness and decision-making.

ALX systems go far beyond the minimum regulations required by the CS-FSTD and guarantee an MCC training equivalent to the one received on a Full Flight simulator.



Jet Orientation Course (JOC)

The objective of the JOC is to familiarize students with airline operating procedures and CS-25 aircraft, to reinforce their understanding of complex systems and components as an ultimate preparation for type rating or airline selection.

The ALX and particularly the Medium Jet configuration is the perfect tool.

The ALX offers all the capabilities required to train the very items needed for an efficient and attractive JOC:

-
- » Navigation
-
- » Automation
-
- » Performance, handling skills, high altitude operations, and upset recovery
-
- » Aircraft weather detection system
-
- » TCAS (creating various TCAS and traffic scenarios)
-
- » GPWS (training how to use and react to GPWS alerts)



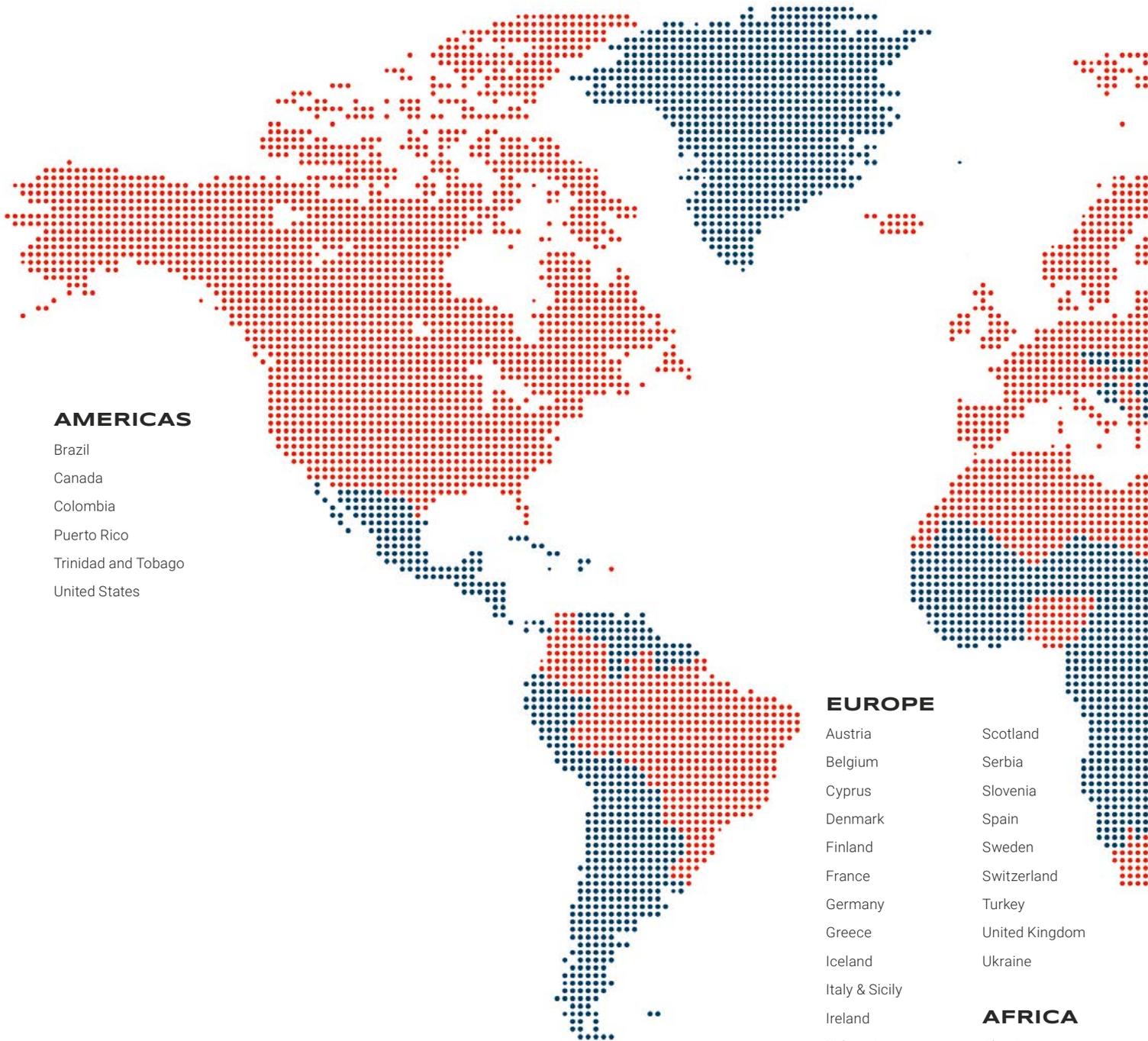
Airline Selection & Testing

Create a connection with your local airlines by offering them a cost-effective tool for pilot selection and assessment in comparison with the commonly used Full Flight Simulator.

Once again the generic environment offers a “neutral, objective and fair” testing device where all applicants are equal, regardless of their previous experience on a specific type of aircraft and emphasizing their adaptability in a new environment.

Offer preparation for airline selection to recently licensed pilots willing to gain more jet experience before applying to airlines.

OUR CUSTOMERS



AMERICAS

- Brazil
- Canada
- Colombia
- Puerto Rico
- Trinidad and Tobago
- United States

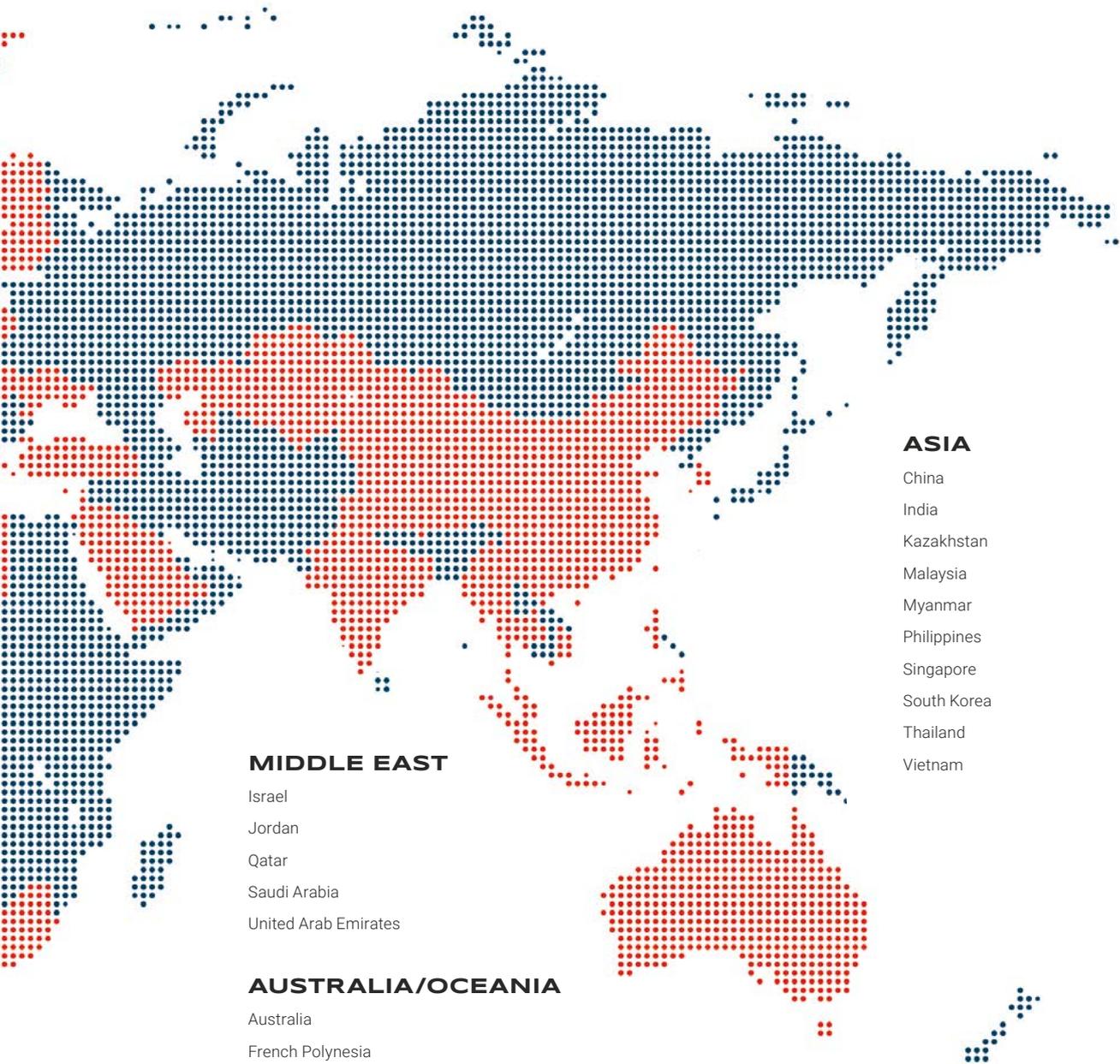
EUROPE

- Austria
- Belgium
- Cyprus
- Denmark
- Finland
- France
- Germany
- Greece
- Iceland
- Italy & Sicily
- Ireland
- Lithuania
- Malta
- Netherlands
- Norway
- Poland
- Portugal
- Scotland
- Serbia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom
- Ukraine

AFRICA

- Algeria
- Libya
- Morocco
- Nigeria
- South Africa
- Tunisia

ALSIM simulators are in use in more than 50 countries, with more than 400 certified simulators installed at 300 customer premises. The best way to learn about a company is to listen to their customers.

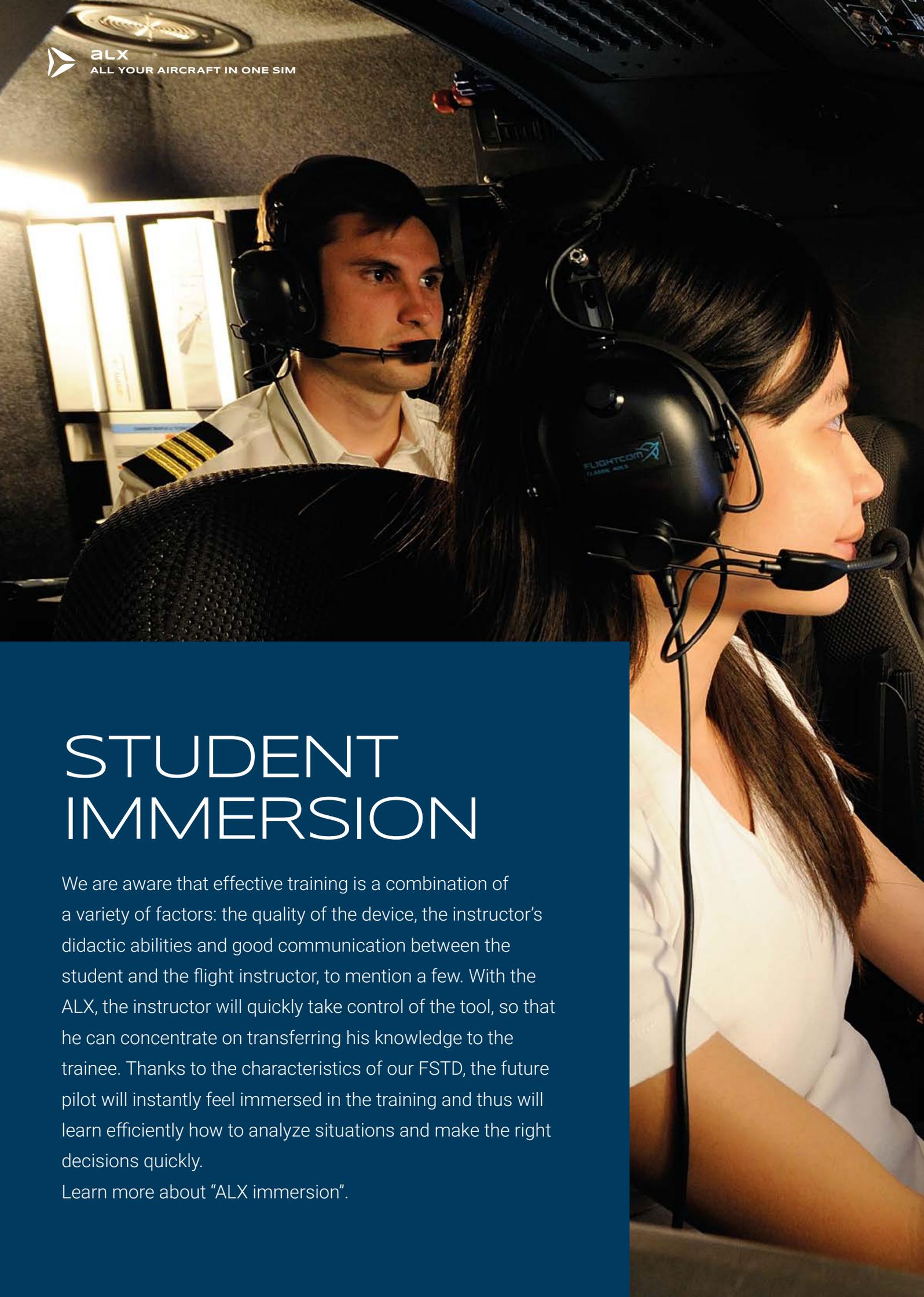


 ALSIM's customer locations

STUDENT IMMERSION

We are aware that effective training is a combination of a variety of factors: the quality of the device, the instructor's didactic abilities and good communication between the student and the flight instructor, to mention a few. With the ALX, the instructor will quickly take control of the tool, so that he can concentrate on transferring his knowledge to the trainee. Thanks to the characteristics of our FSTD, the future pilot will instantly feel immersed in the training and thus will learn efficiently how to analyze situations and make the right decisions quickly.

Learn more about "ALX immersion".





GETTING INTO THE TRAINING

Our ALX simulator is a great tool to use for both the instructor and the trainee. Discover how.

We have always worked in close co-operation with our simulator end-users: the pilots. This is one of the key factors enabling our Research & Development team to ensure that the student will easily recognize the type of aircraft he is flying.

Our high-tech and user-friendly simulator ensures easy immersion for both trainee and instructor and offers a high level of training. In the end, the simulator becomes an essential tool for decision making, which is a vital part of the training.

Instructors from the Inter American University of Puerto Rico talk about their experience with the ALX simulator.



“As a Chief Flight Instructor I find the Alsim ALX an excellent training tool for our students. We teach with cutting-edge technology that provides a better immersion experience giving the impression that we are using a real aircraft. The results have been demonstrated with the students’ performances and procedures from their first flight lesson after they finish the Alsim transition.”

Oswart A. Mora Lemus,
Chief Flight Instructor

"Our experience in using Alsim simulator has been good, the product is simple and easy to use. The student can train in some areas he wouldn't in a real flight, as he can practice on the simulator especially for emergency procedures."

Kenneth Morales,
CFI/CFII

"My experience in working with the Alsim device has been a good one. As a Certified Flight Instructor (CFI), I can work with different scenarios exposing the student to real-life situations. This tool is essential for our students in developing aeronautical decision-making and creating that situational/positional awareness that is so important."

José O. Torres López,
CFI

"My experience with Alsim has been a positive one. The simulator feels very real compared to other simulators I have used. We are using Alsim as a trainer to teach the students basic procedures before taking them to fly the airplane. This have been very helpful for the students. I have two new students that are in their first hours of flying and are very advanced in procedures thanks to Alsim."

Alberto Davila,
CFI

"The simulator is a great tool for new student pilots, in my experience. It helps the students to get a start-up experience with basic procedures, use of checklist, and with airplane performance. The sim also helps in-flight training to be more cost efficient, since the student, when transitioning to the real airplane, has a better understanding of what to do and this way shortening the flight experience and at the same time saving money for more advanced training."

Hector Sanchez,
CFII

"I believe the Alsim simulator creates a more real environment for the student. I really like the tool, and the screen is a plus since it makes you feel that you are in a more real environment. It is a very useful tool for training and far better equipment than what we had before."

Edwin H. Rivera,
CFI/CFII



QUICK CHANGE POWER QUADRANT



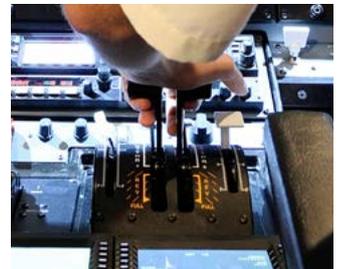
1. Loosen 4 screws.



2. Pull out and unplug cable from power quadrant.



3. Plug in cable for new quadrant and change configuration on instructor station.



4. ALX is ready for the next session with a new configuration.

INSTRUCTOR STATION

ALSIM designed its instructor operating system with the instructor's comfort in mind.



Main characteristics

- » Enclosed instructor station
- » 2 large touch screens
- » Color printer
- » Headset
- » Start-up panel
- » Emergency knobs (x2)

It is a valuable complement to the flight trainer and an indispensable assistant for the instructor. As the software interface is so easy to use, the instructor doesn't need computer skills to provide excellent training.



Traffic



Approach map



Main map



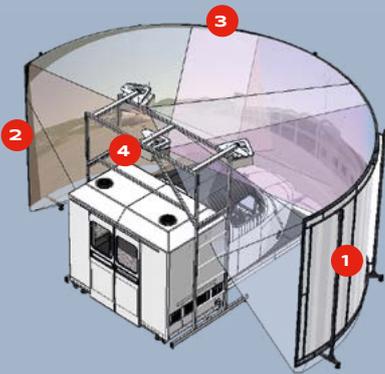
Weather

Functions

- » Map display
- » Positioning / repositioning
- » Weather conditions adjustment
- » Flight model selection
- » Failure menu

VFR-VS - OUR OWN HIGH DEFINITION VISUAL SYSTEM

ALSIM is proud to have designed and produced its own visual software and hardware in 208° x 49° panoramic fields. Each ALSIM ALX is provided with an VFR-VS image generator.



VFR-VS Set up

1. Screen
2. Vertical field of view: 49°
3. Horizontal field of view: 208°
4. 3 projectors, each with Full HD Resolution 1920 x 1200

The standard panoramic visual system consists of a circular screen, 3 projectors and image distortion software. We also provide a detailed airport environment for your home base including ramp, hangar and other facilities for more realism.

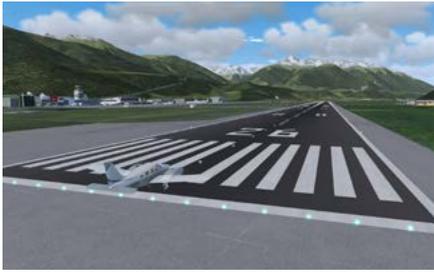
Day and night operations are complemented by a full range of weather scenarios including freezing conditions, wind shear, CAT I and turbulence.

The followings parameters can be adjusted:

- » Visibility
- » Day / night
- » Cloud layers
- » Rain / snow / hail
- » Runway Visual Range (RVR)



Sunny countryside



Runway



City, airport, lakes



Fog



Fog, clouds, illuminated city

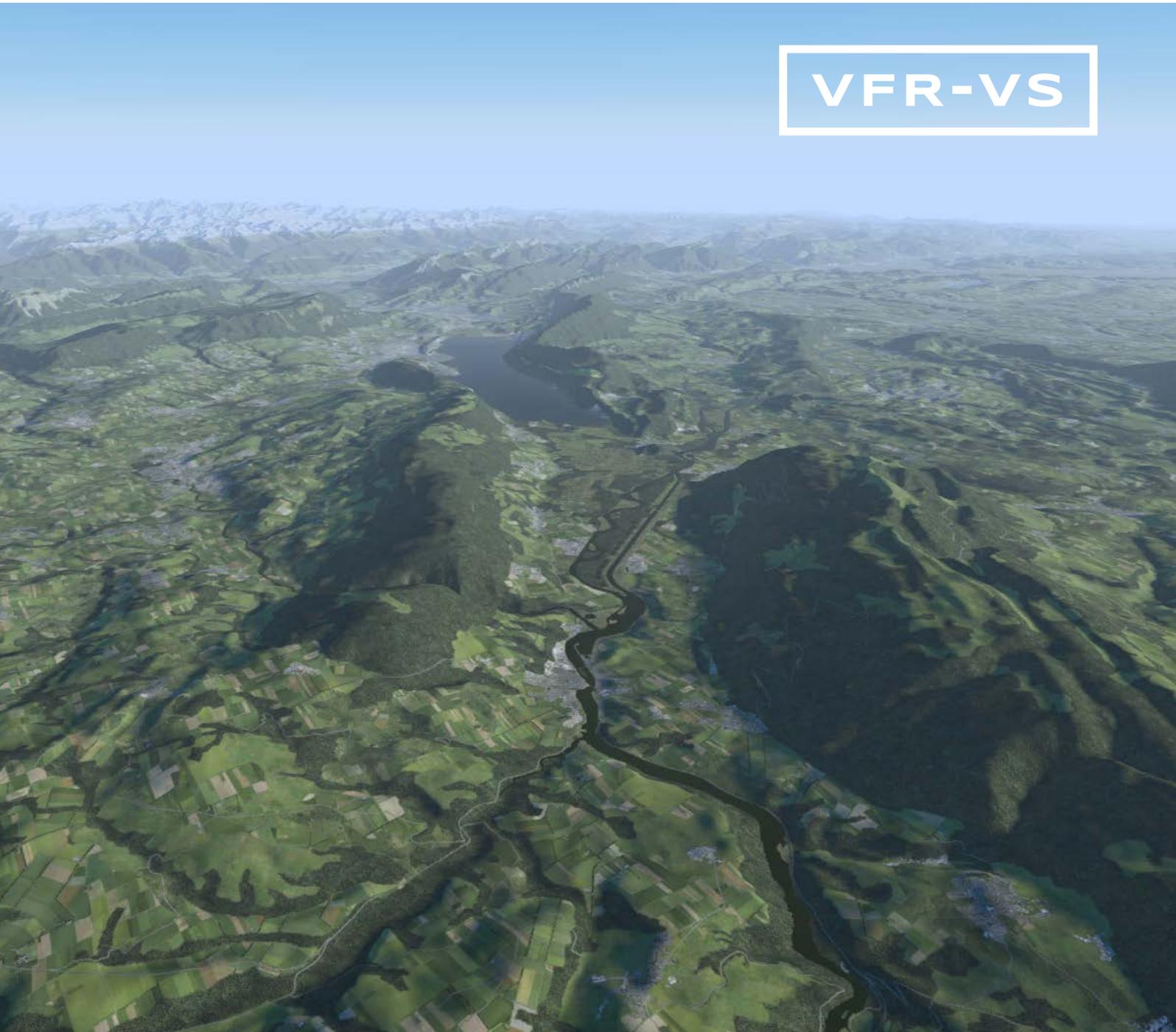


Sun over the sea



Sunset

VFR-VS



WARRANTY & MAINTENANCE

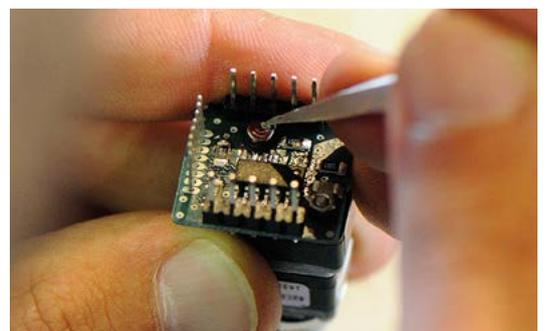
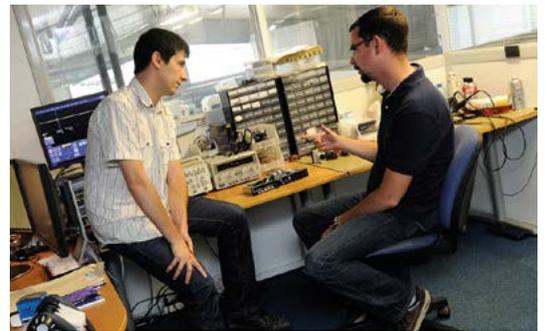
The story does not end with the installation of the simulator. It is exactly the opposite: ALSIM offers its customers an extended warranty and complete maintenance. The FSTD is managed and controlled by ALSIM: this means less stress for the customer and the guarantee of a constantly updated training tool.

The customer receives maintenance training ALSIM's premises before shipment of the device. A spares kit is also provided with all the parts needed to ensure independence. A remote connection system allows ALSIM technicians to take control of customer's equipment using a secure VPN connection.

The ALX is delivered with a two-year warranty support.

Included in our two-year warranty support package:

- » Airport and navigation databases are updated quarterly
- » Telephone, e-mail and Techlog ticket service
- » Diagnosis via secure internet connection (VPN)
- » Annual maintenance, recurring training and checks
- » Maintenance spares parts kit





EVOLUTION SERVICE

The evolution option brings you the best of ALSIM's latest software and hardware designs, along with a zero running-cost maintenance service all in one package.

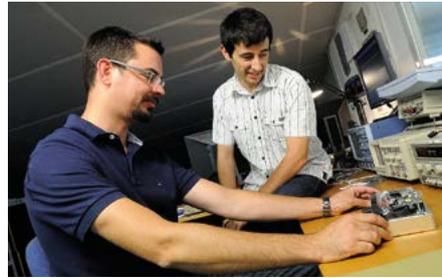
-
- » Free maintenance services: parts, repairs, parts loans, worldwide navigation & visual databases, up to 2 visits per year (all costs included), unlimited hotline and VPN assistance access.
-
- » Free software upgrades including new ALSIM software designs such as: TCAS (or TAS for Multi Engine Piston), weather radar, ALSIM Visual System (VFR-VS)
-
- » Free hardware upgrades: new generation hardware will be retrofitted to your ALX in order to keep it up-to-date. This includes your used projectors.

FEEL FREE TO CONTACT US

Our teams will be happy to answer any questions you may have on how ALSIM can improve your training.



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MORE AT
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400+ CERTIFIED SIMS, 300+ CUSTOMERS,
50 COUNTRIES, SINCE 1994

