



INTERCONTINENTAL
AVIATION ACADEMY

FLYIAA JOURNAL

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Inspiring the Future of Flight

Your Dream FlyIAA

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Note from the global chairman Captain Wissam Al Mehyou

Aviation teaches us that every successful flight begins long before the aircraft leaves the ground. It begins with preparation, discipline, attention to detail, and the confidence to trust the process.

My advice to every aspiring aviator is simple: do not rush the journey. Build your knowledge, strengthen your skills, learn from every mistake, and remain committed to doing things the right way—even when no one is watching. There will be days when progress feels slow and challenges seem greater than expected. Those are the moments that shape you most. A pilot is not defined only by how they perform when everything goes according to plan, but by how they respond when conditions change.

Dream big, prepare thoroughly, and never stop learning. The runway ahead is yours to build.



Academy news & milestones

A Month of Expansion, Engagement and New Opportunities

The past month has been an important period of growth for FlyIAA, marked by increased engagement with aspiring pilots, expansion into new markets, and continued investment in our training capabilities.

Across our growing network of bases, FlyIAA continued to open its doors to prospective students and aviation enthusiasts through a series of Open Days, bringing together more than 1,500 attendees across six countries. The events provided attendees with the opportunity to meet our admissions and training teams, learn more about our pilot training programs, and gain a clearer understanding of the journey from aspiring aviator to professional pilot.

The strong turnout reflects the growing interest in aviation careers and the reach of the FlyIAA network across international markets. Bringing these events closer to students across different markets reflects FlyIAA's commitment to making quality aviation training more accessible while building stronger connections with the next generation of aviation professionals.

Academy news & milestones

FlyIAA Expands Its Presence in Iraq and Syria

FlyIAA has also taken important steps in expanding its regional presence with the launch of operations in Iraq and Syria.

The developments strengthen FlyIAA's growing regional network and create new opportunities for aspiring pilots to access professional aviation training closer to home. Through its local presence, FlyIAA will provide admissions support, guidance, and student services, while connecting students with the wider FlyIAA training network for the completion of their professional training.

The expansion represents another step toward FlyIAA's long-term vision of building a connected international aviation training network.



Academy news & milestones

Fleet Expansion with a New Diamond DA40

FlyIAA has further strengthened its training fleet with the addition of a new Diamond DA40 aircraft.

The aircraft joins FlyIAA's existing fleet and supports the academy's continued investment in modern, reliable training aircraft. Expanding the fleet enables FlyIAA to strengthen its operational capacity while providing students with greater access to high-quality flight training.

The addition of the DA40 is another milestone in FlyIAA's ongoing efforts to grow its training infrastructure alongside its expanding student base and international operations.



Student spotlight

This month, we celebrate three FlyIAA students whose recent achievements reflect the dedication, discipline, and determination that define the journey to becoming a professional pilot.

Ayman Semmo — First Solo Flight

For every pilot, there is a moment that remains unforgettable: the first time flying solo.

This month, Ayman Semmo reached that important milestone by completing his first solo flight, marking a major step forward in his flight training journey.

A first solo represents much more than flying an aircraft alone. It is the result of countless hours of preparation, instruction, practice, and the confidence built through training. It is also one of the first moments when a student truly begins to experience the responsibility of acting as a pilot.

Congratulations to Ayman on this important milestone. May it be the first of many memorable achievements in his aviation career.



Student spotlight

Elias Hosry — Excellence in the Classroom

Elias Hosry has achieved exceptional results in his recent examinations, earning a place among the top scorers in his class.

His performance reflects the commitment he has shown throughout his training, as well as his strong understanding of the academic foundations that every professional pilot must develop. From mastering technical subjects to maintaining consistency under examination conditions, Elias has demonstrated that strong preparation and dedication translate into outstanding results.

His achievement is a reminder that success in aviation begins with taking the fundamentals seriously.

Congratulations, Elias, on this well-deserved achievement.



Student spotlight

Mahmoud Al Roumi — From PPL to the Next Stage

This month, we celebrate Mahmoud Al Roumi, who successfully completed his Private Pilot Licence (PPL) in just 3.6 months.

Mahmoud's achievement reflects his strong commitment, consistency, and determination throughout his training. Completing the PPL phase in such a short period is a significant milestone in any aspiring pilot's journey and demonstrates the value of focused preparation and dedication.

With his PPL now completed, Mahmoud is ready to take the next step in his aviation journey and begin his ATPL training, moving closer toward his goal of becoming a professional airline pilot.

We congratulate Mahmoud on this achievement and look forward to following his progress as he continues to advance through his training.

One licence completed. The next chapter begins.



Instructor insights

If Flying Were Easy, Everyone Would Do It

Learning to fly is an exciting journey, but it is not something that happens overnight. You will get there—but it takes time, practice, patience, and a willingness to keep learning.

One of the best ways to progress as a student pilot is to immerse yourself in aviation beyond your scheduled training.

1. Immerse Yourself in Aviation

Spend time at the airport. Talk to pilots, instructors, and other aviation professionals. Listen to their experiences and learn from their advice. Every pilot has been a student at some point, and their experiences can offer valuable lessons that you may not find in a textbook.

The more you surround yourself with aviation, the more naturally the terminology, procedures, and culture of flying will become part of your daily thinking.

2. Listen and Learn from Every Flight

When flight planning, where permitted and appropriate, listen to the relevant CTAF or ATC frequencies. Hearing how other pilots communicate, handle different situations, and even make mistakes can be an excellent learning opportunity.

Pay attention to what is being said, how it is said, and how pilots respond to changing circumstances. Learning from the experiences of others can help you become more confident and prepared when it is your turn to make those calls.

Remember: becoming a good pilot is not about learning everything at once. It is about showing up, staying curious, learning from others, and improving with every flight.

Flight science & Innovation

Hydrogen-Powered Engines Take Another Step Toward Sustainable Flight

Hydrogen is increasingly being explored as one of the potential technologies that could help aviation reduce its long-term carbon footprint. A recent collaboration between Rolls-Royce and Tata Consultancy Services (TCS) has provided a significant demonstration of how hydrogen could potentially be used in modern aircraft propulsion.

The four-year engineering program focused on developing and testing technologies required to operate an aero gas turbine using 100% hydrogen. The initiative builds on a program originally launched by Rolls-Royce and easyJet in 2022, with TCS joining in 2024 to contribute engineering, digital, testing, and validation capabilities.

A key milestone came with the successful demonstration of a modified aero gas turbine operating through a simulated flight cycle powered entirely by hydrogen. The testing covered key phases including take-off, cruise, and landing, allowing engineers to examine the behaviour of hydrogen across different operating conditions.

The program focused on several critical areas of hydrogen propulsion, including combustion, fuel delivery, engine controls, systems integration, testing, and data analysis. Understanding how hydrogen behaves within a gas turbine throughout a complete flight cycle is essential to determining how the technology could eventually be adapted for future aircraft.

The project brought together expertise from across the aviation and technology sectors, including Rolls-Royce, TCS, easyJet, NASA, the UK Health and Safety Executive, and other industry partners.

While significant development and certification challenges remain before hydrogen-powered commercial aircraft become a reality, demonstrations such as this provide valuable engineering data and help identify the technologies that will need to mature.

Flight science & Innovation

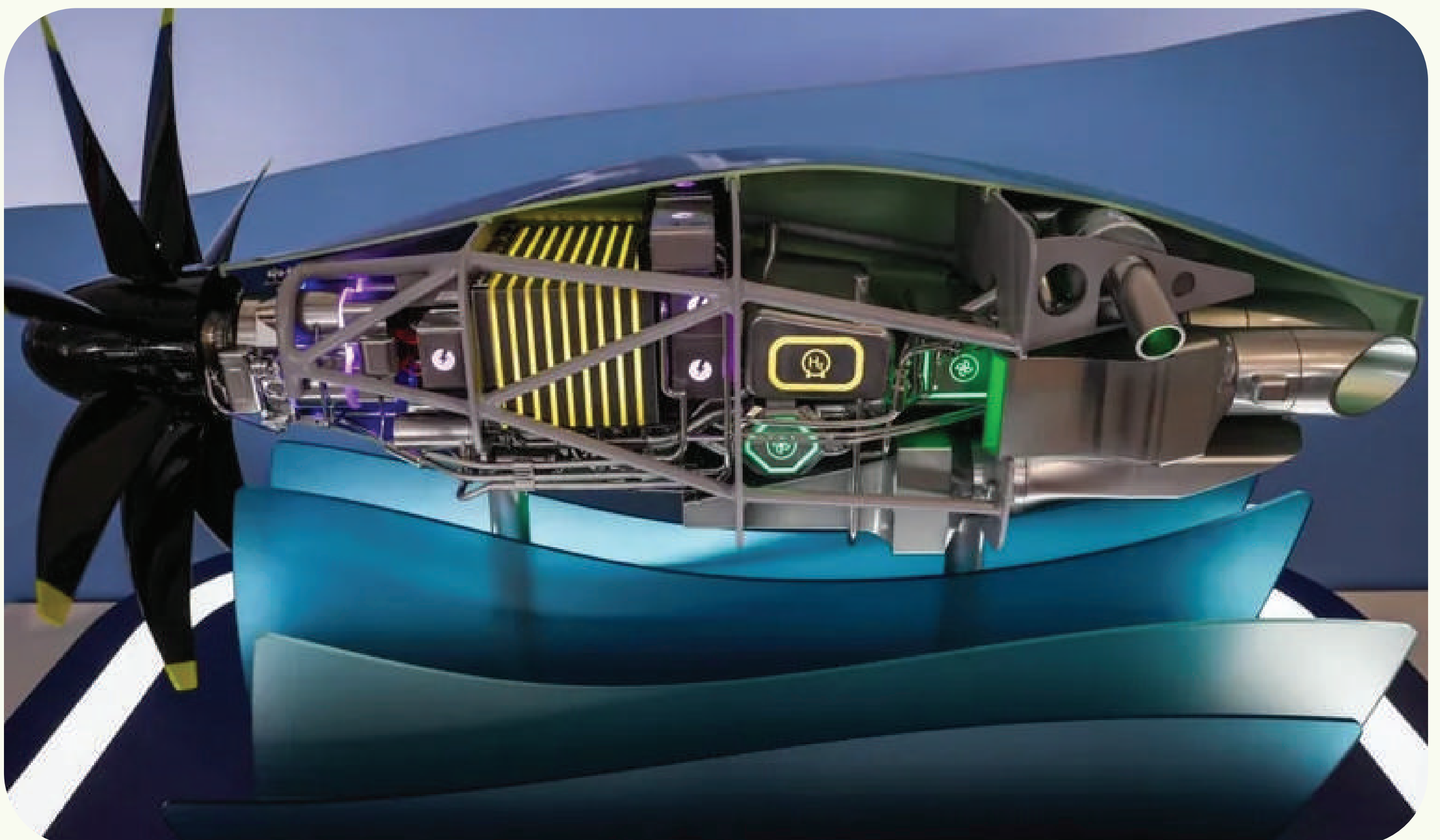
The work could also contribute to the development of future propulsion concepts, including Rolls-Royce's UltraFan program, while strengthening the industry's understanding of how hydrogen could fit into the broader transition toward more sustainable aviation.

Why It Matters

For aviation, hydrogen presents both an opportunity and a complex engineering challenge. Unlike conventional jet fuel, hydrogen requires different approaches to storage, fuel delivery, combustion, aircraft integration, and infrastructure.

The successful operation of a gas turbine on hydrogen across a simulated flight cycle therefore represents more than a laboratory experiment. It demonstrates progress in addressing some of the fundamental technical questions surrounding hydrogen propulsion—and offers another indication of how innovation in propulsion could shape the future of flight.

Source: TCS and Rolls-Royce collaborate for hydrogen-powered flight engineering



Industry trends & global aviation outlook

Can Smarter Flightpaths Reduce Aviation's Climate Impact?

Aviation's environmental impact is usually discussed in terms of fuel consumption and carbon dioxide emissions. However, another factor is receiving increasing attention from researchers: contrails.

These visible trails form when aircraft exhaust interacts with cold, humid air at high altitudes. While many disappear quickly, some can persist and spread into thin cloud-like formations that trap heat in the atmosphere, potentially contributing significantly to aviation's overall climate impact.

A new research initiative aims to find out whether a relatively simple operational change could help address the issue: making small adjustments to aircraft flightpaths and altitudes to avoid areas where persistent contrails are likely to form
Operation Blue Skies

Beginning in late 2026, Operation Blue Skies will conduct a large-scale trial over the North Atlantic to test whether AI-supported flightpath adjustments can reduce contrail-related warming.

The program brings together Google, the UK Department for Transport, the Met Office, NATS, Contrails.org, the University of Cambridge, and Imperial College London. The trial will focus on the NATS-controlled Shanwick Oceanic airspace, northwest of Ireland.

During the winters of 2026–27 and 2027–28, participating airlines will make small altitude adjustments based on predictions of where persistent contrails are most likely to develop. Researchers will then use atmospheric observations and satellite data to determine whether the changes actually reduce contrail formation and its associated climate effects.

Industry trends & global aviation outlook

From Research to Real-World Testing

The concept builds on earlier research from Imperial scientists, which indicated that adjusting the altitude of a relatively small proportion of flights could potentially deliver a substantial reduction in contrail-related warming.

What makes Operation Blue Skies particularly significant is that it moves the concept beyond modelling and into real-world aviation operations. Researchers will be able to examine not only the potential environmental benefits, but also how accurately contrail forecasts can predict where and when these formations are likely to occur.

This is an important distinction. For contrail avoidance to become practical, airlines and air traffic management systems would need sufficiently reliable predictions and enough flexibility within flight operations to make small altitude changes without creating significant disruption.

Why It Matters for Future Aviation

The trial represents an emerging approach to aviation sustainability: reducing environmental impact through smarter operations rather than relying solely on new aircraft, propulsion systems, or fuels.

If the results demonstrate meaningful climate benefits while remaining operationally practical, contrail avoidance could eventually become another tool available to airlines and air traffic management providers.

The first trial is expected during winter 2026–27, followed by a second trial in winter 2027–28. The altitude changes involved are expected to be small and would generally be unnoticeable to passengers.

For an industry working toward lower climate impact, the research highlights an important principle: the future of sustainable aviation may depend not only on what aircraft fly, but also on how, where, and when they fly.

Source: World's first trial to test if flightpath changes could cut aviation's climate impact | Imperial News | Imperial College London

Featured article

How to Build Your First Home Flight Simulator

A home flight simulator can be much more than a source of entertainment. For student pilots and licensed aviators, a well-designed setup can become a useful tool for reinforcing procedures, practising cockpit flows, improving familiarity with avionics, and preparing for real-world flights.

The key is to build a system around your training objectives rather than simply purchasing the most expensive equipment available.

Start with the Right Computer

Modern flight simulation software can be demanding, particularly when running detailed aircraft models and high-quality scenery. For this reason, a dedicated desktop gaming PC is generally a practical choice for a serious home simulator.

A desktop provides greater flexibility for cooling, storage, power, graphics performance, and connecting additional flight controls. When selecting a system, prioritise a capable processor and graphics card, sufficient RAM and storage, and enough connectivity for future upgrades.

The goal is not necessarily to build the most powerful computer possible, but one that can comfortably run your chosen simulator and aircraft at the settings you need.

Choose Your Simulation Platform

Two of the most established platforms for home flight simulation are Microsoft Flight Simulator and X-Plane. Both offer extensive aircraft libraries, detailed environments, and increasingly sophisticated flight models.

Your choice should depend largely on what you want to practise.

X-Plane is widely appreciated for its flight modelling and straightforward hardware configuration, while Microsoft Flight Simulator offers a broad selection of aircraft and highly detailed environments. Both platforms also feature aircraft with advanced systems that can provide useful practice for pilots who want to develop greater familiarity with cockpit procedures.

Before choosing, consider the aircraft you fly—or plan to fly—and investigate which simulator offers the most suitable representation of its systems and avionics.

Featured article

Build Around Your Training Goals

Once the computer and software are selected, the next step is to consider the physical controls. A basic setup can begin with a yoke or joystick, throttle controls and rudder pedals. From there, pilots can gradually add equipment such as instrument panels, additional displays, head tracking, or other controls.

For someone training on a specific aircraft, matching the simulator controls and cockpit layout as closely as practical can make the experience more relevant.

However, a home simulator should be viewed as a supplement to real flight training—not a replacement for it. It can help reinforce knowledge and procedures, but it cannot fully reproduce the physical sensations, workload, environmental conditions, or decision-making demands of flying a real aircraft.

The Most Important Investment: How You Use It

A sophisticated simulator is only valuable if it is used purposefully. Instead of simply flying from one airport to another, pilots can use simulation sessions to practise flight planning, radio procedures, cockpit flows, navigation, instrument approaches, abnormal procedures, and unfamiliar routes.

For student pilots in particular, the simulator can provide an opportunity to repeat procedures without the time and operational pressures associated with an actual flight.

The best home simulator is not necessarily the one with the most equipment. It is the one that supports your training objectives, encourages disciplined practice, and helps you arrive at your next real flight better prepared.

Source: [How to Build Your First Home Flight Simulator](#)

World aviation news

Aviation Safety Improves as Global Air Travel Reaches New Heights

Global aviation continued to demonstrate strong safety performance in 2025, even as passenger numbers and flight activity reached record levels, according to the latest safety data from the International Civil Aviation Organization (ICAO).

Commercial airlines carried approximately 5 billion passengers across 38 million flights during the year, while the total number of accidents fell from 95 in 2024 to 85 in 2025.

Fewer Accidents, Lower Accident Rates

The global accident rate improved from 2.6 to 2.2 accidents per million departures, representing a reduction of nearly 13%.

Even more significantly, fatal accidents declined from 10 in 2024 to just four in 2025, bringing the fatal accident rate down by 60%, from 0.27 to 0.11 fatal accidents per million departures.

These figures highlight the progress made through decades of collaboration between regulators, airlines, manufacturers, airports, pilots, and other aviation stakeholders to identify risks and strengthen safety systems.

A Reminder That Rare Events Can Have Major Consequences

Despite the improvement in accident rates, total fatalities increased from 296 in 2024 to 387 in 2025. The increase was largely driven by a small number of particularly severe accidents, including one incident that accounted for 260 fatalities.

The figures demonstrate a central challenge for modern aviation: while the industry has become increasingly effective at preventing accidents, reducing the likelihood of the rare events capable of causing large-scale loss of life remains a critical priority.

World aviation news

Five Global High-Risk Categories

ICAO continues to focus on five categories of accidents that historically have the greatest potential for loss of life:

- Controlled Flight Into Terrain (CFIT)
- Loss of Control In Flight (LOC-I)
- Mid-Air Collision (MAC)
- Runway Excursion (RE)
- Runway Incursion (RI)

Together, these categories represented more than half of all fatal accidents in 2025. Loss of Control In Flight remains a particular concern, accounting for nearly one-third of fatal accidents within these high-risk categories. Addressing the risk requires continued attention to pilot training, human performance, aircraft systems, and safety management.

Progress in Runway Safety

The report also highlights encouraging developments in runway safety. No runway incursion accidents involving commercial air transport were recorded in 2025.

However, runway excursions remain an area requiring continued attention, with seven such accidents recorded during the year, including one involving fatalities.

Safety Oversight Remains Essential

Safety does not depend solely on what happens inside the cockpit. Effective regulatory oversight is equally important.

ICAO's global average safety oversight score reached 69% in 2025, continuing an upward trend. Nevertheless, areas requiring further improvement include resolving identified safety concerns, maintaining sufficient numbers of qualified technical personnel, and ensuring effective continuous surveillance and inspections.

As global aviation continues to expand, strong regulatory systems, effective safety management, data-driven decision-making, and highly trained aviation professionals will remain fundamental to maintaining the industry's safety record.

World aviation news

The Goal: Zero Fatalities

The latest figures demonstrate that aviation can become safer even as more people take to the skies. At the same time, they reinforce the importance of never becoming complacent.

For the global aviation community, the objective remains clear: learn from every accident, identify emerging risks, strengthen safety systems, and continue working toward zero fatalities.

Source: Our latest Safety Report spotlights aviation's progress and its most urgent challenge - Uniting Aviation



FlyIAA course

Private Pilot License (PPL)

The Private Pilot License (PPL) is the first major step for those looking to take to the skies, whether the goal is recreational flying or progressing toward a professional pilot career.

FlyIAA's PPL pathway allows students to begin their theoretical training locally at one of our ground bases before continuing their practical flight training at a certified European or regional base. This flexible structure makes professional-standard pilot training more accessible while maintaining the standards required by EASA and ICAO.

Program at a Glance

Next Intake: September 2026

Duration: 24 weeks

Available Bases: UAE, Cyprus, Iraq, KSA

Students following the ICAO PPL pathway may later pursue conversion to an EASA PPL, providing additional flexibility for those considering further international training and aviation opportunities.

The programme is also suitable for students who intend to continue their training toward a frozen Airline Transport Pilot Licence (f-ATPL).

FlyIAA course

What You'll Learn

The theoretical phase covers the essential knowledge required to operate safely and effectively as a private pilot, including:

- Air Law
- Aircraft General Knowledge
- Flight Performance and Planning
- Human Performance
- Meteorology
- Navigation
- Operational Procedures
- Principles of Flight
- Communications

Entry Requirements

Applicants must:

- Be at least 17 years old
- Hold a high school diploma or equivalent
- Have a good command of English
- Be medically fit and hold a Class 2 Medical Certificate
- Successfully pass the FlyIAA entrance examinations

Where Can a PPL Take You?

A PPL provides the foundation for independent private flying, allowing qualified pilots to fly solo or carry passengers for private purposes within the privileges of their licence.

For aspiring professional pilots, it can also be the beginning of a much longer journey—from foundational flight training through advanced qualifications and, ultimately, toward a career in commercial aviation.

Frequently asked question

What Type of Aircraft Will I Be Training On?

At FlyIAA, students train on a modern and diverse fleet designed to provide experience across different aircraft types, configurations, and flight characteristics. Our fleet includes Diamond, Tecnam, Aquila, and other training aircraft, supported by advanced simulator technology across our international bases.

Cyprus

- Diamond DA40
- Aquila A210
- Tecnam P2008
- ALSIM ALX Simulator

UAE

- Diamond DA40
- Diamond DA42

FlyIAA continues to invest in fleet expansion and renewal, including next-generation Diamond DA40 and DA42 NG aircraft, alongside other modern training platforms.

Training across a varied fleet gives students exposure to different aircraft systems, handling characteristics, and operational environments. This helps develop adaptable pilots with a broader understanding of aircraft and prepares them for the transition to more advanced stages of flight training.

Your training aircraft is more than a means of getting airborne—it is where you begin developing the skills, discipline, and adaptability that define a professional pilot.

Video
feature



Upcoming events & programs



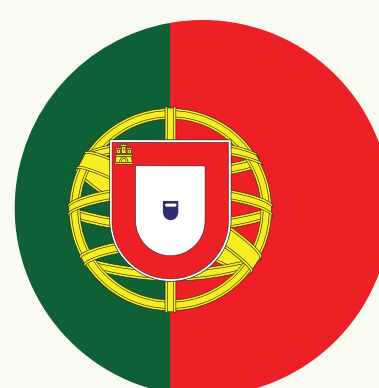
Career Expo Aleppo, Syria
September 5-7, 2026



**FlyIAA Induction Day
Baghdad, Iraq**
September 17, 2026



**FlyIAA Open Day + Induction
Beirut, Lebanon**
September 18, 2026



**FlyIAA Open Day
Lisbon, Portugal**
September 19, 2026



**FlyIAA Open Day + Induction
Dubai, UAE**
September 20, 2026

Resources & career opportunities



First Officer
B737NG
(Dubai | UAE)



First Officer
Global Express
(Dubai | UAE)



Pilot Cadet
AC on Seniority
(Saudi Arabia | Riyadh)



First Officer
Dash 8
(UAE | Abu Dhabi)



Theoretical
Knowledge Instructor
(UAE | Sharjah)



Flight Instructor
SR-20/22
(Dubai | UAE)



Flight Instructor
Various Aircraft
(UAE | Sharjah)

Quote of the month

“Excellence isn’t built in defining moments. It’s built in moments no one thinks to define.”

– Major Nicole Malachowski



FlyIAA September Journal

READY TO FLY?

Start your aviation career today.
Contact IAA!

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