



**L3HARRIS®**  
FAST. FORWARD.

# **AB-INITIO AIRLINE** **PILOT TRAINING**





**DAVID COWARD**  
Vice President and General Manager,  
L3Harris Airline Academy

# L3HARRIS WELCOME

Welcome to L3Harris Airline Academy. With 30 years’ experience helping aspiring aviators achieve their dreams, we have a rich heritage in pilot training. Built on a foundation of airline partnerships, fostering strong relationships with airlines is still at the heart of everything we do.

With world-renowned global locations offering state-of-the-art, purpose-built facilities we are committed to delivering the highest standard of pilot training. We also understand the need for flexibility in pilot training; hence all MPL and ATPL programmes can be fully tailored to your airlines own Standard Operating Procedures.

Our ethos from day one is to produce airline-ready-pilots and we take great pride in the number of L3Harris graduates now flying as First Officers and Captains for some of the world’s leading airlines.

Thank you for taking the time to read this brochure and if we can assist further please do not hesitate to contact myself or a member of our Airline Academy team.

Yours sincerely,

Some of the airlines we’ve partnered with over the years:

AIRFRANCE	ANA	BRITISH AIRWAYS
EASYJET	ICELANDAIR	INDIGO
JETSTAR	KUWAIT AIRWAYS	QATAR AIRWAYS
ROYAL BRUNEI AIRLINES	WIZZ	



**CTC**  
AVIATION



**Commercial Aviation**



**L3HARRIS**  
FAST. FORWARD.

1995 - 2015

2015 - 2019

2019 - Present

# INTRODUCTION

The L3Harris Airline Academy’s history dates back to the 1990s when a team of ex-pilots set-up CTC Aviation, an airline academy with one primary objective: to provide high-quality pilot training to the aviation industry. This objective still inspires us today as we welcome aspiring aviators with little or no flying experience and train them to become Airline Ready Pilots and the Captains of tomorrow.

Our dedicated team of Theoretical Knowledge Instructors, Flight Instructors and Training Managers have thousands of hours combined experience and are passionate about passing these skills, knowledge and experience to the next generation.

With our global footprint and regulatory approval from aviation authorities including the UKCAA, EASA and FAA we are ideally positioned to deliver training programmes tailored to your needs.

# TRAINING LOCATIONS



L3HARRIS FLIGHT ACADEMY



LONDON TRAINING CENTRE (LTC)  
L3HARRIS AIRLINE ACADEMY

## London Training Centre (LTC)

2-3 Gatwick Road, Crawley, West Sussex, RH10 9BG, U.K.

TRAINING PHASE	FACILITIES
<ul style="list-style-type: none"><li>&gt; Theoretical Knowledge (Ground School): 28 weeks</li><li>&gt; APS MCC: 3 weeks</li></ul>	<ul style="list-style-type: none"><li>&gt; 11 multi-media classrooms</li><li>&gt; 7 full flight simulators: A320, B737</li><li>&gt; 2 fixed base simulators A320</li><li>&gt; 6 flat panel trainers</li><li>&gt; Pilot lounge areas</li><li>&gt; Onsite restaurant</li></ul>

## L3Harris Flight Academy

2685 Flightline Avenue, Sanford, FL 32773, U.S.

TRAINING PHASE	FACILITIES	FLEET
<ul style="list-style-type: none"><li>&gt; All phases for FAA training</li><li>&gt; Basic flight training for UKCAA and EASA training</li><li>&gt; Foundation flying: 18 weeks</li><li>&gt; Single-Engine Instrument Rating (IR): 11 weeks</li><li>&gt; Multi-Engine Commercial Pilot Licence (CPL): 2 weeks</li></ul>	<ul style="list-style-type: none"><li>&gt; Capacity for 600 students annually</li><li>&gt; Flight operations control centre</li><li>&gt; 9 flight simulators</li></ul>	<ul style="list-style-type: none"><li>&gt; 66 single-engine aircraft</li><li>&gt; 14 multi-engine aircraft</li></ul>

## L3Harris Airline Academy

Hangar 1, Building 85, Cranfield University, Cranfield, Bedfordshire, MK43 0JR, U.K.

TRAINING PHASE	FACILITIES	FLEET
<ul style="list-style-type: none"><li>&gt; Advanced flight training for UKCAA and EASA</li><li>&gt; Multi Engine Instrument Rating (MEIR) - 7 weeks</li><li>&gt; Upset Prevention &amp; Recovery Training (UPRT) - 1 week</li></ul>	<ul style="list-style-type: none"><li>&gt; 8 briefing rooms</li><li>&gt; Flight Operations control centre</li><li>&gt; 3 flight simulators</li><li>&gt; Digital Air Traffic Control (ATC) tower</li></ul>	<ul style="list-style-type: none"><li>&gt; 8 multi-engine aircraft</li><li>&gt; 8 single-engine aircraft</li></ul> <p>All aircraft equipped with glass cockpit, and Garmin G1000 instrumentation.</p>





# OVERVIEW OF AIRLINE TRAINING

L3Harris provides a fully integrated solution for pilot training. We support pilots from the moment they express an interest in the industry through to their professional careers at airlines.

## A HISTORY OF TRAINING WORLD-CLASS PILOTS

L3Harris has over 30 years training heritage and has trained thousands of pilots for airlines across the globe. Today L3Harris delivers a global training experience, with a capacity for 1,000 trainees per year, which is personalised to meet the needs of individuals and airlines. Our world-class training facilities are supported by some of the best training technology available, much of which is designed and manufactured by L3Harris. With training facilities directly connected to our manufacturing facilities, our technology is maintained to the highest industry standards.

### OUR VALUES:

- > **We're innovative:** Innovation is in our DNA. We use our experience and insight to look at things from a different angle and aren't afraid to challenge the status quo. Our combined breadth of expertise enables us to lead the market, such as our use of data in training.
- > **We're committed:** We are dedicated to the pursuit of safety, quality and service. Working and collaborating with customers, partners and colleagues to build trusted relationships where we meet and exceed expectations, without fail.
- > **We're agile:** Adopting an agile mindset across the business allows us to react quickly to customer's needs. By anticipating changes and emerging challenges in the market we can leverage our extensive capability to stay ahead of the curve, ensuring the skies are safer than ever before.

# INSTRUCTORS

L3Harris flight instructors are selected based on their extensive prior instructional experience and commercial aviation background and are further trained as per Part FCL to meet the standards of the training programme which are standardised annually. Included are senior instructors that sit on multiple EASA and ICAO working groups and committees to ensure that we have direct involvement in shaping the future of the industry within Europe and globally.

Our ground school instructors have extensive experience in delivering all elements of training, tailored to airlines' specific requirements, to a diverse range of aspiring pilots. The instructors come from varying backgrounds but are commonly either ex-military aviators, engineers or have extensive commercial airline experience.

To maintain a high level of learning, L3Harris understands the importance of providing future pilots with a robust support network which includes offering pastoral support to all trainee pilots during their training at the L3Harris Airline Academy.

“**I started this course with no flying experience and two years later I've come out with a frozen Airline Transport Pilot's Licence and have demonstrated that I can safely operate a passenger jet in a multi-crew environment. It's been a wonderful experience that has allowed me to fly, travel and meet so many people.**”

**Davina Battersby**  
L3Harris Integrated ATPL graduate





# LONDON TRAINING CENTRE

The London Training Centre (LTC) is our state-of-the-art purpose-built pilot training and simulator production facility based in close proximity to London Gatwick Airport. It is a global centre of excellence, providing the airline industry with the highest quality of training service in a state-of-the-art environment.

The London Training Centre hosts a range of the latest innovative flight training technologies, including Reality7 Full Flight Simulators for A320, A330, and 737NG variants, fixed-based simulators, and flat-panel trainers; briefing rooms and classrooms.

## STATE-OF-THE-ART CLASSROOMS AND BRIEFING ROOMS

Our facilities offer the latest classroom/ briefing room technologies, including interactive smartboards, TV screens, table charge points, and instructor de-brief stations.

## RESTAURANT – THE BEEHIVE

Named after the original London Gatwick Airport terminal, the Beehive restaurant is both a great place to refuel between training or to take a moment to relax with some refreshments.

Open during breakfast and lunch hours; the Beehive restaurant offers trainees various options, including a daily selection of hot meals & specials, sandwiches, soups, barista coffee, toasties, salad bar, snacks, and confectionery.

## PILOTS LOUNGE

We understand that your pilots need somewhere to relax, catch up on some emails, and grab some refreshments in order to remain energised and ready to complete their training.

## ABOUT CRAWLEY

Crawley is one the biggest towns in Sussex, perfectly placed between Brighton and London. Whilst you have a whole host of things to do on your doorsteps in Crawley including plenty of places to eat and drink, the vibrant Brighton is only 35 minutes away where you have both the coastline and lively nightlife to enjoy. Similarly, London is easily accessible in an hour by train where you can experience the hustle and bustle of city life.

## ACCOMMODATION

Student-style accommodation in Avion Court is just a short walk from the LTC and Crawley town centre. Gatwick airport is a 10-minute bus ride away with international flights and trains to central London in just 30 minutes.

Hollingbury House in Brighton offers contemporary student living in a great location with top on-site facilities. Stylish spacious rooms with en-suite, high speed WiFi, social space and 24/7 support. It is located 35 minutes by road to the LTC and just minutes from Brighton seafront and vibrant City centre.

## PLACES TO VISIT

There are plenty of places to visit in the surrounding areas of Crawley including historic houses, gardens, galleries, castles, theme parks, museums, theatres and leisure centres. When looking for somewhere to eat and drink there’s plenty to choose from in either Crawley itself, or the neighboring towns such as Croydon, Bromley, Leatherhead, Sevenoaks and Tonbridge. Not forgetting, London and Brighton are only a short train ride away.

## HOW TO GET HERE

### By train

London to Crawley takes approximately 1 hour. Operated by the Thameslink and Southern Railway, trains run frequently all day.

### By air

The nearest airport to our London Training Centre is London Gatwick Airport which is approximately 10 minutes away by car. You can fly to several European destinations from London Gatwick.

### By car

Crawley is easily accessible by car. Situated within close proximity of the M23 and M25, Crawley can be accessed from junction 10 of the M23.



**ADDRESS:** 2-3 Gatwick Rd, Crawley RH10 9BG





# ORLANDO FLIGHT SCHOOL

Our Integrated ATPL trainee pilots complete the basic flight training portion of their training from our Orlando Flight School in Florida - based at Sanford International Airport.

## ORLANDO FLIGHT SCHOOL FACILITIES

Our Flight School in Florida benefits from excellent flying weather for more than 300 days a year and UK trainee pilots have access to purpose-built facilities such as:

- > An international airport environment
- > High-intensity runway lighting
- > AWOS weather reporting system
- > FAA control tower
- > Pre-and-post flight briefing areas
- > Dispatch centre

## ORLANDO AIRCRAFT FLEET

We have one of the largest aircraft fleets in Florida consisting of over 90 single-and-multi-engine aircraft. All Orlando Flight School aircraft are IFR certified and maintained and inspected to the highest safety standards by our dedicated team mechanics.

### Our fleet for Integrated ATPL trainee pilots:

- > Single-engine Piper Archer PA28
- > Multi-engine Piper Seminole PA44

### We also have the following aircraft on location:

- > Cirrus SR20
- > Cessna 172P

## ABOUT ORLANDO

Pilot training is so much more than just the aircraft you train in and those who instruct you. It's the whole experience; the life-long friendships you make and the place you call home for the duration of your training.

Whilst Florida is known as one of the best places to complete your pilot training in the world, it's also known as a tropical paradise with plenty of opportunities to explore, enjoy and relax.

Florida provides the perfect opportunity to attend a game, match or race! From basketball and American football, to soccer, baseball and NASCAR racing, you can watch it all whilst living in Florida.

## ACCOMMODATION

Accommodation is on a shared basis and provides bedroom, bathroom, kitchen and leisure facilities such as fitness centre and swimming pool. Typically a shuttle service from the accommodation to the training centre is provided.

## PLACES TO VISIT

You'll have the world's most well-known theme parks at your fingertips - Disney World, Universal Studios, Busch Gardens; perfect if you love a thrill and seek an adrenaline rush!

Whether you like to relax and soak up the sun or want to catch some waves, the famous Cocoa Beach and Daytona Beach are within reach to do either or, or both!

## HOW TO GET HERE

### By train

Amtrak is the rail service provider for Florida and runs daily from locations such as New York, Philadelphia, Baltimore, Washington DC and Charleston to Jacksonville, Sanford and Orlando.

### By air

Florida has several major airports such as Orlando and Tampa, which are all served by major U.S. and European carriers such as British Airways and Virgin Atlantic Airways.

### By car

Traveling to Florida via car is also relatively easy if you're traveling within the U.S. Three interstate highlights lead to Florida; the I-10 from the west and the I-75 and I-95 from the north.



**ADDRESS:** 2685 Flightline Avenue, FL 32773, USA





# CRANFIELD TRAINING CENTRE

Whether you have little to no flying experience or want to upskill, our Cranfield Training Centre is equipped with state-of-the-art-facilities, a modern training fleet and experienced instructors to propel your dream of becoming a pilot.

## CRANFIELD TRAINING CENTRE FACILITIES

Cranfield University is renowned for its aeronautical research and development. Our Cranfield Training Centre holds a prime location on the airport’s Apron 2 and provides access to the digital ATC tower, offering the highest quality of pilot training. Cranfield has a fully instrument capable airport, with no jet traffic which greatly improves access enabling trainee pilots to train more frequently.

## CRANFIELD TRAINING FLEET

Our recently enhanced facilities at Cranfield Aeronautical University establishes it as L3Harris’ UK Centre of Excellence for Multi-Engine flight training.

**Our fleet:**

- > Diamond DA40
- > Diamond DA42

**Our flight simulators:**

- > Diamond DA42 Tdi
- > Diamond DA42 NG

## ABOUT CRANFIELD

Cranfield is located between the towns of Bedford and Milton Keynes where you’ll find a host of restaurants, pubs and bars, markets and places to shop.

You’ll also find plenty of opportunities to take in the beauty and culture of the surrounding areas. There are more than 6,000 acres of parkland in Milton Keynes with plenty of rivers, lakes, woodland and trails to enjoy including Bletchley Park (a heritage site and vibrant attraction), Willen Lake (the perfect spot for watersports) and Salcey Forest (for all your outdoor adventures).

## ACCOMMODATION

Accommodation is located on campus at Lanchester Hall, or similar locations. All campus amenities – including bars, shops, a post office, sports hall and bank – are within walking distance.

Whatever your recreational, social or sporting interests, the wide range of opportunities in and around Cranfield University are sure to offer something for everyone.

## PLACES TO VISIT

There are plenty of places to visit in the surrounding areas of Cranfield including Whipsnade Zoo, Shuttleworth, Santa Pod Raceway, SnowDome, National Trust, museums, theatres, amusements, leisure centres and Box End Park.

When looking for somewhere to eat and drink there’s plenty to choose from in Milton Keynes and Bedford, from student bars and beach pubs to beer gardens and gin bars as well as places for classic pub food.

## HOW TO GET HERE

**By train**

London to Cranfield via bus and train typically takes 1.5 hours. Operated by London Midland, Avanti West Coast and Uno; London to Cranfield trains depart from London Euston

**By air**

London Luton Airport is approximately 30 minutes away. You can fly to several European destinations from London Luton Airport.

**By car**

Situated approximately 10 minutes from the M1 motorway and can be accessed from either junction 13 or 14 of the M1.

 **ADDRESS:** Cranfield University, Bedfordshire MK43 0JR, U.K





# PILOT TRAINING COURSES

## REGULATORY APPROVALS

L3Harris pilot training is approved by aviation regulators across the globe including the UK Civil Aviation Authority (UKCAA), European Union Aviation Safety Agency (EASA) and the Federal Aviation Administration (FAA).



# THE MPL (MULTI-CREW PILOT LICENCE)

The MPL (Multi-Crew Pilot Licence) course has a focus on training future pilots for a specific airline and aircraft by making greater use of training systems such as simulators, incorporating competency-based-training and further applying human factors and threat & error management.

The aim of this L3Harris Airline Academy MPL course is to:

- > Provide an ab-initio cadet with the skills, knowledge and attitudinal competencies to safely, professionally and effectively carry out the assigned duties and responsibilities of a First Officer on a multi-pilot, multi-engine, turbine-powered aircraft in commercial air transportation
- > Obtain EASA or UK CAA

The MPL programme is versatile, as L3Harris works with MPL airline partners and associated regulators to ensure that the course footprint meets all regulatory aspects and produces highly skilled pilots ready to undertake the role of a First Officer. In addition, each bespoke syllabus is based upon specific competencies, incorporating the airline's culture, fleet and SOPs

from day one. The syllabus automatically includes Type Rating training course as part of the advanced stage, and on successful completion the cadet is qualified to join the airline as a First Officer in order to carry out the base training elements leading to the issue of an MPL Licence.

The four phases of the dedicated airline MPL programme take between 14 and 18 months. This route is shorter than other programmes meaning it is a cost-effective solution and brings trainee pilots on to line-flying faster.

The MPL Course is a competency-based training programme that complements and further develops the philosophy of vertical integration on which L3Harris' airline pilot training programmes have been founded. The regulatory framework of competency-based MPL training enables the constant improvement of the training results by continuous course oversight and management, based on feedback data from the ATO and airline.

From the first day of training to the final line check with the airline, the MPL programme strives for a high level of continuity and commitment to identify, measure and develop the competencies integral to the development of the airline pilots.





# INTEGRATED AIR TRANSPORT PILOT LICENCE (ATPL)

The L3Harris Airline Academy ATPL programme is well proven and established within multiple regulatory environments. The programme is designed to give trainee pilot the optimum use of aircraft and training systems ensuring maximum training value while preparing them for a career in commercial aviation.

By working closely with our partner airlines, we ensure the changing needs of a commercial pilot in today’s world are met. We ensure that an airline’s values are ingrained in the trainee pilot throughout their training and seek to customise where at all possible. This route to becoming a pilot aims to provide trainee pilot with the following results:

- > To produce airline-ready Pilots through the monitoring of professional competencies throughout the training process
- > To teach aspiring pilots how to safely, effectively and professionally operate single-engine pilot and multi-engine pilot aircraft in a commercial air transport environment using L3Harris’ SOPs to the standard required for the issue of an EASA Part FCL CPL(A)/IR with ATPL(A) theoretical knowledge
- > Encourage the development of trainee pilots’ personal and professional attributes required of a modern airline pilot, preparing trainee pilot for a seamless transition to the next phase of their career within a commercial airline

# TYPE RATING

L3Harris provides industry leading Type Rating training and its courses can be tailored to meet specific airline requirements.

In order to provide the most efficient and cost-effective Type Rating training programme to airlines, we use a range of training technologies including computer-based training (CBT) platforms, fixed based training devices and our world-renowned Reality7 full-flight simulators, all from an L3Harris training centre.

Courses are constructed to ensure that periods of CBT training are broken up at regular intervals by instructor input and Flat Panel Trainer training, thus incorporating greater interactivity and avoided prolonged periods at computer screens. Courses can also be adjusted to exceed the regulatory minimum requirements by incorporating additional modules for pilots with low-hour experience on jets.

Airline Operator Proficiency Checks, Low Visibility Operations and Extended Twin Operations training can easily be included in the course structure.

## COURSE LOCATION:

- > London Training Centre
- > Bangkok Training Centre

# STANDARD OPERATING PROCEDURES (SOPs)

All L3Harris pilot training courses are flexible and can be designed to incorporate an airline’s own Standard Operating Procedures. This ensures trainee pilots are airline ready and graduate with specific skills and knowledge for the airline they are about to join.

Our training teams work closely with the airline’s training managers to create tailored solutions at every phase of training, from briefings to flight training to simulator hours.

“Pilots undertaking the integrated ATPL route are available to airline partners to tag throughout their training based on the hiring airlines’ set minimum standards.”





## WHAT MAKES L3HARRIS DIFFERENT?

Our award-winning use of data is changing the way airlines train -- improving safety and tailoring programs to students' greatest needs.



## DATA IN TRAINING

L3Harris is a recognised leader in Flight Data Monitoring (FDM) and Flight Operations Quality Assurance (FOQA) programmes, processing more than 18 million flights from commercial black-box data recorders.

L3Harris has developed and implemented its own FDM technology into its Airline Academy ab initio flight training. This innovation allows instructors and trainee pilots to improve training safety and efficiency through its data-driven approach.

Our FDM technology provides operational trend data for detailed instructor feedback and preventative maintenance and provides academy pilots with flight data to improve training and development.

### BENEFITS OF THE USE OF DATA INCLUDE:

- > Detailed flight debriefs with 3D modelling
- > Data-driven insights
- > Mitigate risk and improve training efficiency
- > Move towards competency-based training

In June 2022 L3Harris was awarded the Aviation Technology Achievement award at the Air Transport World (ATW) 48th Annual Airline Industry Achievement Awards. The award was in recognition for our implementation of Flight Data Monitoring as a method of improving safety and using data-driven insights to move towards competency based training.

“This industry-leading technology is making a tangible difference in our approach to pilot training, as it enhances aspiring pilot development. We are incredibly proud of the technology and excited about what lies ahead as we continue to develop these capabilities.”

**Dave Coward**

Vice President and General Manager,  
L3Harris Airline Academy





# RECRUITMENT MARKETING

L3Harris has extensive experience in creating and launching integrated marketing campaigns and provide support to airline partners with the recruitment of aspiring pilots. Inline with the airline’s geographic and diversity requirements we create bespoke campaigns to attract the very best candidates.

**MARKETING SUPPORT INCLUDES:**

- > Audience profiling
- > Content creation including:
  - > Blogs
  - > Video
  - > Web pages
  - > Social media
- > Integrated multi-channel campaigns
- > Industry events and roadshows

**Some of the airlines we’ve supported with marketing campaigns:**

EASYJET

INDIGO

WIZZ

# QUALIFIED AIRLINE PILOT SELECTION

- > We provide selection services to airlines for pilots of all experience levels
- > Our team of experienced assessors can screen applications using our own web-based tool - electronic Mass Application (eMA)
- > We offer customised aptitude and psychometric testing, team skills exercises, interview boards, and simulator skills assessments according to both your needs and applicant experience levels

**WE SUPPORT WITH THE ASSESSMENT, SELECTION AND RESOURCING OF THE FOLLOWING:**

- > Airline Academy Trainees and Graduates
- > First Officers
- > Captains

**Some of the airlines we’ve supported with selection services:**

ANA

BRITISH AIRWAYS

EASYJET

INDIGO

QATAR AIRWAYS

WIZZ



# **FAST. FORWARD.**

**AB-Initio Airline Pilot Training**

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

