

# AW newsletter

## The new Leonardo Helicopters Training Academy in the US - Special Edition

### THE NEW LEONARDO HELICOPTERS TRAINING ACADEMY IN THE US IS NOW OPEN

On April 29, via a virtual video announcement and tour, Leonardo officially opened its new Training Academy in the US. The academy is located on the existing campus in northeast Philadelphia, one that also includes production, support and administrative functions for the United States.

The first Leonardo training academy opened in Sesto-Calende (Italy) in 2006 and in its inaugural year provided training to 600 students; by 2020, that number grew to 10,000 annually. Now with a global training network that also includes similar facilities in the United Kingdom, Poland and Malaysia, the new academy in Philadelphia is part of an \$80 million investment in United States operations that will provide training services for a growing demand and need for pilots, cabin crews and maintenance technicians across North and South America.

## Leonardo Helicopters Training Academy in the US



Bill Hunt, CEO of AgustaWestland Philadelphia Corporation and Managing Director of Leonardo Helicopters US, was one of the company leaders who spoke via video. He spoke with pride about this accomplishment and how the team in Philadelphia and Italy worked hard to make this happen on schedule, all during a global pandemic. "It's hard to believe that it was just two years ago at Heli-Expo 2019 in Atlanta when we proudly announced our plans to build a new, state-of-the-art training center in what was previously the on-site warehouse and directly next to our main production, support, and administrative offices. We purposely co-located the Academy because we wanted to not only provide cutting-edge training with modern technology to our customers, but also give them an inside view of our organization, our culture, and how our product is made and maintained with a constant emphasis on quality and safety" said Hunt.

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Utilizing the same comprehensive approach to training as Leonardo's flagship academy in Sesto-Calende, the new US Academy provides ground, in-flight and virtual training to student pilots, with an array of digital courses, flight activities, simulation and mission training available to meet any mission profile. In addition, comprehensive maintenance training will be provided in its very own wing of the academy that also comes equipped with a large array of maintenance training devices and displays. Technologically advanced systems will allow for real-time tracking of individual training progress and can be customized to meet any mission and every aircraft in Leonardo Helicopters' portfolio.

The Leonardo Training Academy in the US features:

- 10 multi-media classrooms - sized for both intimate and large group training.
- Three maintenance simulators - one AW139, one AW119 and soon one AW609.
- Three full-flight motion simulators - one AW139 and one AW169/AW609 with roll-on/roll-off capability.
- Special amenities for our students to either take a break and mentally recharge through meditation and thoughtful reflection in a quiet, dedicated room - or ramp up their endorphins utilizing exercise equipment in gym that also includes locker rooms and showers for customer convenience.

Students from across North and South America will visit Philadelphia for an extended stay, as training courses are often three weeks or longer in duration. Not only will they receive a complete training experience on the Leonardo campus, they will also be able to partake in all the first-class amenities available in the City of Philadelphia, providing a one of a kind, top notch option for training in the rotorcraft industry.

Since 1980, Leonardo Helicopters has been proud to call Philadelphia, Pennsylvania its home in the United States. Located at Northeast Philadelphia Airport (KPNE) just minutes outside the Central Business District, the facility has grown over the last 40 years from a modest service center to the Division's US Industrial Center of Excellence.



## NEW AW169 FFS CERTIFIED BY EASA AND FAA



The new Training Academy in the US includes an AW169 Full Flight Simulator, certified by both the EASA and FAA. The simulator was developed in collaboration with CAE, using certified manufacturer data to replicate the experience of flying our AW169, and allows pilots and instructors to benefit from the safety of the training in the simulator.

This training device is part of an important investment to develop training capabilities in the United States in support of customers across North and South American region - providing the latest technologies, closer to their operations.

There is another AW169 FFS in use at our facility in Sesto Calende, Italy since 2016. Both simulators were jointly developed by Leonardo and CAE to EASA Level D, which allows one hour flown on the simulator to equal one hour flown on the real helicopter for maximized safety and reduced operating cost. An added environmental benefit of using the FFS means lower emissions, a lower carbon footprint, noise pollution reduced to zero, and minimal impact on the local areas - especially during night time.

In addition, the simulators allow the opportunity for trainees to experience complex operating scenarios and train in emergency procedures, without real operational risks.

## PART 142 QUALIFICATION



We are proud to announce the new Training Academy in the US has obtained FAA Part 142 Qualification.

As per the official FAA description of the purpose of such qualification “ Part 142 permits a certificated training center to use approved flight simulation training devices (FSTD) and aircraft in conjunction with approved curricula, qualify instructors, and evaluators to accomplish airman training, testing, and checking to meet the requirements of 14 CFR part 61, 63, 65, 91, 121, 125, 135, or 137.”

Even before the official opening, we started to welcome our first students and trainees for both our new and recurrent pilot and maintenance training course, now available in one single location, right on our Philadelphia campus. Both current and prospective customers can now train in a multimedia classroom, in a simulated environment, on the ground and in the air, closer to home and their business operations.

To learn more or to schedule training courses, email us at: [US\\_TrainingRequest@leonardocompany.us](mailto:US_TrainingRequest@leonardocompany.us).



## MULTI MEDIA CLASSROOMS

In today's world, students want engaging, technologically current environments. We have found that multi-media classrooms provide the best and most effective support for student training, no matter their learning approach.

In the new Training Academy in the US, we have fully integrated the latest technology into ten multi-media classrooms, sized for both intimate and large group teaching. Each classroom is designed to provide interactive 2D/3D graphic content to allow for stimulating and engaging learning and instruction.

Our OEM instructors are highly qualified and can use these tools to provide precise training to students, even in a classroom setting. Their teaching methodologies are

based on behaviour analysis, which tells us that learning happens based on information received in a set amount of time. Precision Teaching is based on the principles of Programmed Education and allows for very accurate measurement of student performance. Precision Teaching is a new way of teaching - via computer - and fully utilizes PC multimedia through texts, audio, video, animations to make the learning process interactive and more enjoyable as a result.

In these classrooms, we will train air, rear and ground crews, along with maintenance personnel. We will cover all our customers' needs and take their training to the next level!



## AW139 FFS ASSEMBLED AND FULLY OPERATIONAL

Special Edition

The AW139 full-flight simulator is now fully assembled and operational and has been integrated into training courses at the new Training Academy in the US, located in Philadelphia.

The Rotorsim AW139 Full Flight Simulator (FFS) is based on the CAE Sim XXI™ platform and is deployed using a “roll-on/roll-off” (ro-ro) concept. It first entered service in in 2008 at CAE’s North East Training Centre (NETC) in Morristown, New Jersey, USA and has been now moved to the new facility on the Philadelphia campus. It is fully operational under a Level-D level of qualification by ENAC and FAA.

The introduction of this advanced AW139 FFS with Level D capability, developed with OEM data package to guarantee the highest level of fidelity and safety, offers also unprecedented realism in performing helicopter-specific mission training as it was built on approved flight dynamics and performance models.

This asset will support the AW139 fleet rapidly growing across this region, performing a variety of roles including offshore and passenger transport, VIP/corporate transport, law enforcement, EMS/SAR, disaster relief, firefighting, coast guard duties and represents a further step in the continued enhancement and expansion of support and training services we offer to our customers.

The academy also houses an AW169/AW609 simulator and both have been jointly developed by Leonardo and CAE. Operated by Rotorsim, another joint project with Leonardo and CAE, the simulators provide realistic, hands-on training.



# Leonardo Helicopters Training Academy in the US



Proud to provide best in class  
training to our Customers





## ONE location

A unique location that allows for a 360° Leonardo Helicopter experience that includes training, customer support and flight line.



## 10 State-of-the-art multimedia classrooms

Equipped with the latest technology and devices to provide students an unparalleled training experience that includes six briefing/debriefing rooms and classrooms, all with the latest integrative technology.



## 3 Full Flight Simulators (AW139 and AW169/AW609 roll on/roll off)

Each FFS - developed with OEM data package - features unprecedented realism to allow helicopter-specific mission training, guaranteeing the highest level of fidelity and safety. And each is complimented with a range of training solutions, including Virtual Interactive Procedural Trainer and Virtual Enhanced Training Devices.



## Multiple maintenance simulators (AW119Kx-AW139)

Maintenance technicians can get hands-on training using an exact replica of their helicopters and systems. And as the products evolve, so will the maintenance trainers.



## The Only OEM with internal capability of:

Designing, developing, delivering, qualifying, supporting and operating helicopter training systems.



OUR MOBILE APP – STAY TUNED!



AW TeamUP

SCAN THE QR CODE TO DISCOVER OUR TRAINING COURSES:



Our Training Courses

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