

# Professional Simulation-Based Training

*for Airbus Helicopters AS350 B3 and EC130 T2*





*FlightSafety now offers comprehensive simulation-based training for Airbus Helicopters AS350 B3 at a new helicopter training facility in Denver, Colorado. Training takes place on a new FS1000 Level D simulator, designed and built by FlightSafety. Our highly qualified and experienced instructors, exclusive advanced-technology and integrated training systems help ensure proficiency and safety. Training is designed to meet the training needs of all AS350 B3 operators, offering pilots the resources to attain proficiency and qualification. In addition, by December 2017, we will be installing a FlightSafety Level D full flight simulator for Airbus Helicopters EC130 T2 training at the center, available for dry lease only.*

### **Innovation With One Purpose: Training Aviation Professionals for Safety and Proficiency**

FlightSafety International is the world's leading aviation training organization. The leader in experience. The leader in technological innovation. The leader in global reach. FlightSafety serves the world's aviation community providing total aviation training for pilots, maintenance technicians and other aviation professionals. We serve business, commercial, general and military aviation with training for virtually all fixed-wing aircraft and helicopters. We live, breathe and ThinkSafety.

Experienced  
Instructors,  
FS1000  
Level D  
Qualified  
Simulator

# Program Highlights

- Our Level D simulator allows night-vision goggle training for high-fidelity, low-light training scenarios.
- Using our high-fidelity graphics package, the simulator features special visual scenes and effects to give operators the most relevant training available.
- Simulation training can incorporate photo-realistic scenes such as urban landscapes, offshore oil rigs, and brownout and whiteout conditions.
- FlightSafety helped pioneer Federal Aviation Administration Level D full flight simulation for helicopters.
- These are the world's first Level D qualified full flight simulators for AS350 B3 and EC130 T2, bringing simulation training – an essential component of pilot training in every other segment of aviation – to AS350 B3 and EC130 T2 operators.
- Mission-specific training tailors scenarios to your particular operation, including parapublic and air medical as well as offshore and executive transport.



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# Program Highlights

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- Our full flight simulators meet a wide range of training objectives that can't be met in flight training devices and exceed the training parameters possible in aircraft-based instruction.
- A new National Transportation Safety Board guidance for airborne law enforcement specifically recommends integrating simulation-based training, especially to train for Inadvertent IMC events. FlightSafety's training stresses the singular importance of IIMC avoidance and survival training – instruction that can only be effectively taught in a simulator.
- FlightSafety training courses for AS350 B3:
  - Initial and recurrent pilot
  - Night Vision Goggle
  - Inadvertent IMC survival and avoidance
  - Patrol and surveillance mission profiles
  - Pilot and Tactical Flight Officer (TFO) crew training
  - Mission-specific training tailors scenarios to your particular operation, including parapublic and air medical as well as offshore and executive transport



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# Program Highlights

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- FlightSafety's new Master Aviator Program is available to Airbus Helicopters AS350 B3 operators. This program builds on your proven flying abilities with challenging training that expands your skills and prepares you to react correctly to a broad range of demanding and unexpected situations.
- FlightSafety's exclusive Advanced Pilot Courses, now available to Airbus Helicopters AS350 B3 operators, are based on analysis of actual incidents and help develop solid flying skills, swift and accurate decisions and precise crew communication. These courses include:
  - Advanced Helicopter Crew Resource Management (CRM)
  - Advanced Helicopter Surviving Inadvertent Instrument Meteorological Conditions (IMC)



# FlightSafety: Level D Qualified Simulators

Our new simulators for the Airbus Helicopters AS350 B3 and EC130 T2 at our new helicopter Learning Center of excellence in Denver, Colorado, are among the first in the world to bring Level D training to single-engine helicopter operators.

The Learning Center also features a Level D simulator for the Airbus Helicopters H135. That simulator has been in use at FlightSafety's Dallas Learning Center and was the first installed and certified simulator in Denver.

The Airbus Helicopters EC130 T2 simulator will enter service once FlightSafety completes the design, development and manufacture of the new single-engine simulator. The Center will also offer classrooms and a full complement of Customer service areas.

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FlightSafety's new FS1000 Level D qualified full flight simulator.

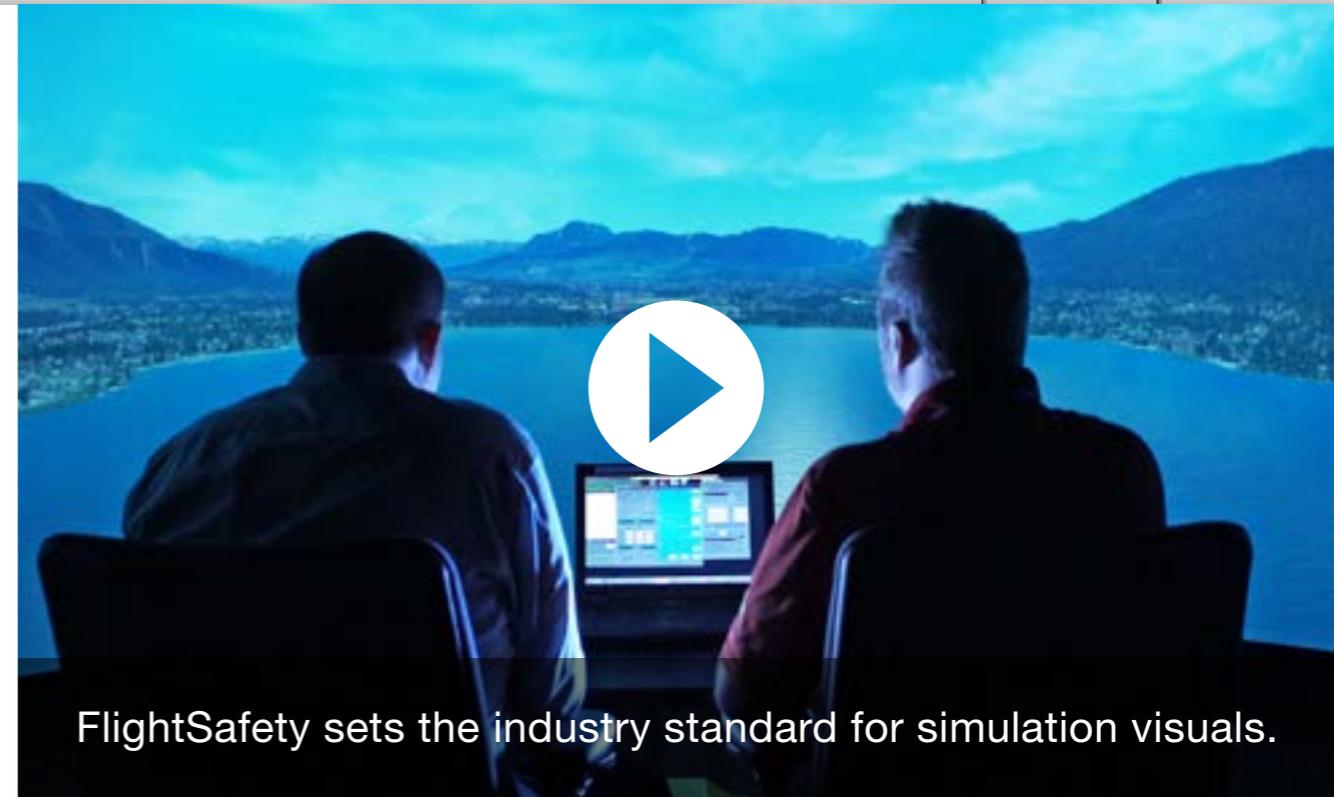
### **VITAL 1100 + CrewView = Unprecedented Fidelity**

The new simulators will be equipped with FlightSafety's industry-leading VITAL 1100 visual system and CrewView glass mirror displays and 60-inch electric motion base. The unprecedented fidelity and levels of detail offered by the VITAL 1100 visual system significantly enhance training by providing highly detailed mission specific imagery with vastly improved scene content and exceptional environmental effects. VITAL 1100 provides system resolutions that are over 12 million pixels for a typical three-channel out-the-window field of view of 200 degrees horizontally. This increase in resolution offers a substantial improvement in visual acuity.

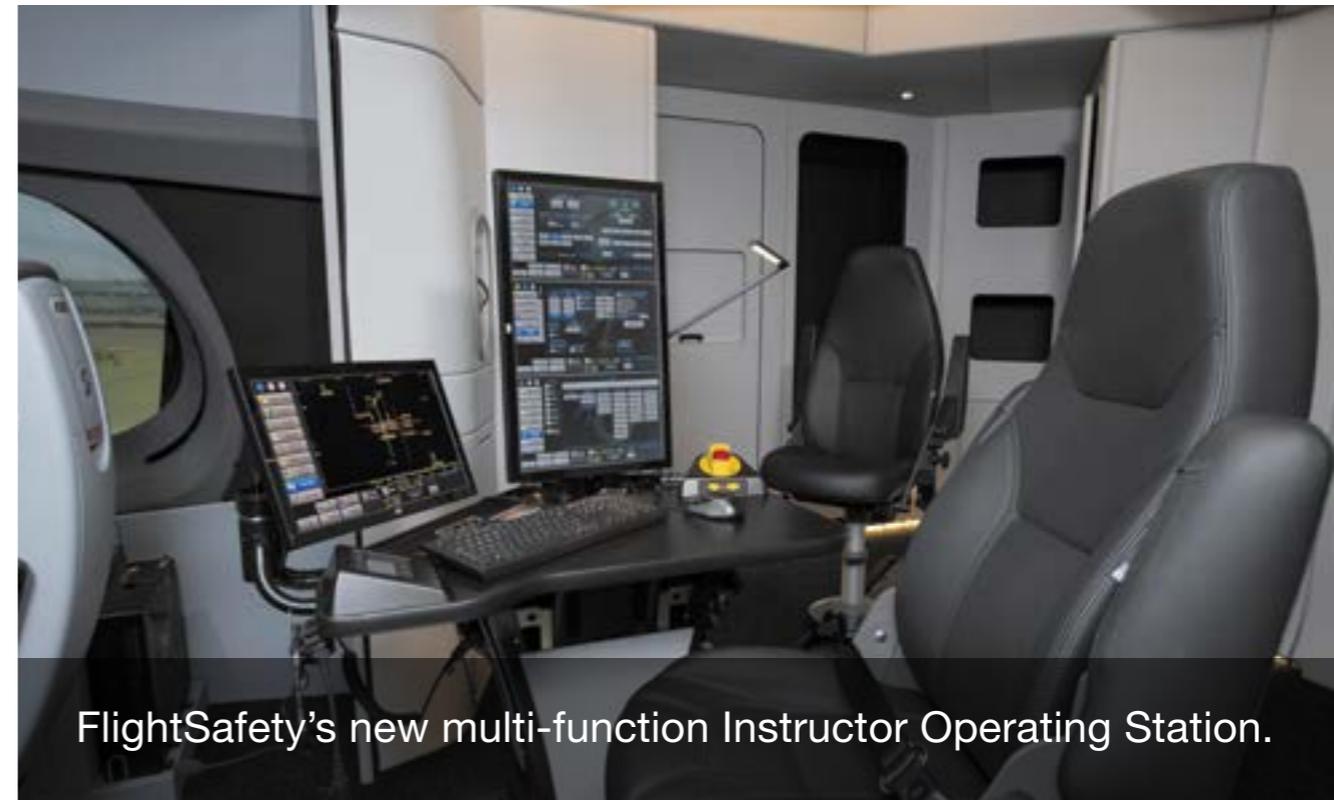
### **Multi-Function Instructor Operating Station**

FlightSafety's FS1000 simulators feature tightly integrated computer hardware and software across subsystems that allow for more accurate and higher fidelity simulation. It offers the latest multi-core 64-bit architecture and the supporting real-time tools. The FS1000 also features FlightSafety's all new multi-function Instructor Operating Station designed to enhance the effectiveness of training by providing instructors with a highly productive and efficient workspace equipped with an intuitive interface, scalable graphics, and large multi-touch displays.

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FlightSafety sets the industry standard for simulation visuals.



FlightSafety's new multi-function Instructor Operating Station.

## THE SIMULATION-BASED TRAINING ADVANTAGE

If you're still using your aircraft for training, it's time to reconsider. As airlines and corporate flight departments have known for decades, there simply is no substitute for simulation-based training. And now, taking direct and indirect costs into account, FlightSafety helicopter simulation training can save you money compared with in-flight training.

**No Comparison** Compared with simulation-based training, in-aircraft training has few advantages and many drawbacks.

- Exposes your crews to unnecessary risk
- Takes your aircraft out of revenue service
- Discourages repetition to build proficiency
- Adds wear and tear to your aircraft
- Requires pretend scenarios with imagined outcomes
- Precludes training in adverse weather or other challenging situations

**The More Effective Alternative** FlightSafety simulation-based training overcomes these shortcomings. More thorough and comprehensive, it allows crews to review and practice normal, abnormal and emergency procedures. A broad range of scenarios replicate virtually any possible situation, in every conceivable weather and environmental condition. Realistic scenarios require pilots to develop the right decisions, driving home the need to understand and follow emergency procedures. It's as important to know that certain actions take priority during a crisis as it is to make the right call when the real-life situation is deteriorating by the second.

**Save Your Aircraft for Your Mission** FlightSafety simulation-based training is the most effective training available. Use your aircraft for its intended mission and avoid the risk of training accidents.



## Simulator Profiles for Airbus Helicopters AS350 B3 Training

| Location | Year Built | Sim Level | Visual System            | Approvals | Avionics   | Additional Equipment |
|----------|------------|-----------|--------------------------|-----------|--|----------------------|
| Denver   | 2017       | D         | VITAL 1100, Glass Mirror | FAA       | Two Garmin 430W, One GMX-200, TDFM 9100, GTX-330 Transponder, MK-XXI EGPWS Computer, 7100D 11 Communications Panel | N/A                  |

## Program Details for Airbus Helicopters AS350 B3 Training

| Location   | Instructor-Led Training | Dry Lease Simulator Available | Other Equipment        |
|------------|-------------------------|-------------------------------|------------------------|
| Denver     | Yes                     | No                            | NVG Training Available |
| Shreveport | No                      | Yes                           | N/A                    |

## Simulator Profiles for Airbus Helicopters EC130 T2 Training

| Location | Year Built | Sim Level | Visual System            | Approvals | Avionics   | Additional Equipment  |
|----------|------------|-----------|--------------------------|-----------|--|---|
| Denver   | Dec 2017   | D         | VITAL 1100, Glass Mirror | FAA       | Garmin 500H Electronic Flight Display, TDFM 9100, Garmin 750 and Garmin 650 for VOR/ILS/GPS/WAAS/LPV, AA 95-1000 Audio Control Panel, GMX 200 for weather, GTX-33H Transponder | EGPWS provided by the Garmin 750, TCAS is provided by the GTS 800, HeliSas Autopilot System |

## Program Details for Airbus Helicopters EC130 T2 Training

| Location | Instructor-Led Training | Dry Lease Simulator Available | Other Equipment |
|----------|-------------------------|-------------------------------|-----------------|
| Denver   | No                      | Yes                           | NVG Compatible  |



# Inside the Most Trusted Name in Training

**Global Leadership** FlightSafety delivers more than 1.4 million hours of professional aviation training each year. We operate the world's largest aviation training network, with Learning Centers and training locations around the globe. We are honored to serve as the authorized training provider for the majority of business aircraft manufacturers.

**Expert Instructors** FlightSafety fields more than 1,800 of the industry's best instructors, each devoted to ensuring that our Customers are trained to proficiency. Each with the experience and credentials necessary to help our Customers perform at the highest levels of safety.

**Strategic Locations. Worldwide Vision.** We train to best meet our Customers' needs, wherever they may be. This is why FlightSafety's Learning Centers are strategically located adjacent to the major aircraft manufacturers or in other areas that best serve our Customers. Many centers offer training for a wide variety of aircraft types, while others are dedicated solely to the aircraft of one manufacturer.

In keeping with our role as the global leader in aviation safety, our training programs and flight simulators are qualified by international regulatory agencies, including the FAA, EASA, CAAC and Transport Canada.\*

\*Not all programs qualified by all authorities listed.



**World-Class Training. Worldwide Reach.** FlightSafety International is the world's premier professional aviation training company and supplier of flight simulators, visual systems and displays to commercial, government and military organizations. The company provides more than 1.4 million hours of training each year to pilots, technicians and other aviation professionals from 167 countries and independent territories. FlightSafety operates the world's largest fleet of advanced full flight simulators at Learning Centers and training locations in the United States, Australia, Brazil, Canada, China, France, Japan, the Netherlands, Norway, South Africa and the United Kingdom.

## ThinkSafety<sup>®</sup>

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