

CAE 7000 Series

Level D full-flight simulator



The world leader in simulation technology, CAE has six decades of experience in creating the world's highest quality simulation products. No other company more closely replicates the experience of flight without leaving the ground.

The CAE 7000 Series full-flight simulator (FFS) is ideally suited to the most customized needs and surpasses Level D regulatory requirements. Its high fidelity and reliability have earned it recognition as the gold standard the world over. And now it has raised the bar again, with new features and options including a state-of-the-art all-electric motion system, PC-based image generators, Liquid Crystal on Silicon (LCoS) projectors and speech recognition-enabled Air Traffic Control (ATC) environment simulation.

The CAE 7000 Series stands at the high-end of the industry's only comprehensive portfolio of simulation products offering software commonality. From CAE Simfinity™ laptop/desktop systems and flight training devices through the CAE 5000 Series to the CAE 7000 Series, CAE applies the same true fidelity simulation software throughout its training suite, ensuring a seamlessly integrated training experience and a more efficient training process.

Market segments

CAE consistently offers the highest fidelity training solutions to meet the needs of all market segments. The CAE 7000 Series is a high-end customized full-flight simulator ideally suited to the training requirements of wide-body commercial aircraft, such as Airbus' A330/A340/A380 and Boeing's 747/777/787, rotary-wing aircraft and select business and regional jets. The CAE 7000 is also the FFS of choice for narrow-body applications where the simulator must be fully customized to the aircraft/fleet tail configuration.

The CAE 7000 Series can be fully customized to satisfy your training strategies. Its open architecture permits the use of OEM parts wherever required, ensuring precise replication of the aircraft for a seamless training experience.

CAE has designed and built some 750 high fidelity full-flight simulators and training devices for airlines, aircraft manufacturers and training centres around the world. With CAE's no compromise, true fidelity and reliability rates, you can count on CAE to enhance your operational safety and efficiency.





Features

CAE has built an unparalleled reputation for simulation technology leadership and, more importantly, for helping customers apply this technology to achieve greater efficiency and safety. CAE simulators reproduce with unmatched detail and accuracy the sound, visual, tactile and operational environment pilots experience in the real aircraft.

The CAE 7000 Series Level D FFS delivers all the features required for a realistic flight experience, including:

- Use of original equipment manufacturer (OEM) equipment to replicate the aircraft and create a seamless training experience
- CAE's true fidelity simulation software, based on OEM and vendor data and CAE's renowned Level D certified simulation models
- Meeting or exceeding FAA and JAA qualification requirements as well as additional international qualification standards for a Level D FFS, and meets respective training task requirements detailed in international operations and licensing documents
- Highly customizable
- High reliability with minimal downtime
- Choice of a high fidelity hydraulic or electric motion system
- Latest generation CAE Tropos-6000™ image generators using commercial-off-the-shelf (COTS) graphics processors
- Visual display system with a wide field-of-view (minimum 200° x 43°)
- Lightweight, high-resolution Liquid Crystal on Silicon (LCoS) projectors
- Speech recognition-enabled Air Traffic Control environment simulation
- System-oriented maintenance approach with integrated interface test utilities and online diagnostics
- Fully integrated instructor support tools (Lesson Plan Studio, Brief/Debrief Station) as part of CAE's Instructor Operator eStation (IOS)
- Safety protection measures meeting or exceeding international standards
- CAE global 24/7 support network

Customer benefits

As part of CAE's comprehensive suite of simulation products, the CAE 7000 Series delivers true fidelity at the high-end of a consistent training experience, along with a number of compelling benefits:

- Ultimate fidelity for pilot training
- Incorporates new technologies to enhance cost-efficiency and performance
- The highest degree of customization to train the way you fly
- Use of key OEM equipment leverages existing customer logistics supply chain, including sparing, and provides a seamless transition from FFS to line training
- Maximum training value
- Fully matches aircraft tail
- High availability
- Environmentally friendly solution
- Ease of maintenance
- Effective aids for instructors
- Safe operation
- Worldwide customer support and service

CAE is unique in its ability to offer customers the products, services and support required for a turnkey solution that can enhance operational efficiency and safety.



Desktop/Laptop



IPT



FTD

CAE Simfinity™



CAE 5000 Series



CAE 7000 Series

Featuring CAE Tropos™ visual system



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