CAE 7000XR Series
Level D full-flight simulator
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As the world leader in simulation and modelling 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 7000XR Series full-flight simulator (FFS) is ideally suited to meet specific requirements of operators and surpass Level D regulatory requirements. Building on the high fidelity and reliability that has earned CAE recognition as the “gold standard” the world over, the CAE 7000XR Series has now raised the bar once again, with a focus on:

- A next generation instructor office
- Embedded training capabilities
- Enhanced operational infrastructure
- Optimized design for life cycle benefits

The CAE 7000XR Series stands as the new flagship of the industry’s only comprehensive portfolio of simulation products that offers software commonality. From CAE Simfinity™ laptop/desktop systems and flight training devices to the full-flight simulator, CAE applies the same true fidelity simulation software throughout its training suite, ensuring a seamlessly integrated training experience for trainees.

Designed to meet your specific needs

CAE consistently offers the highest fidelity training solutions to meet the needs of all market segments. The CAE 7000XR Series is an advanced customizable full-flight simulator ideally suited to the training requirements of wide and narrow-body commercial aircraft, such as Airbus’ A320/A330/A350/A380 and Boeing’s 737/747/777/787, regional aircraft and select business jets. The new interface architecture of the CAE 7000XR Series can support fully simulated aircraft equipment to fully customized cockpits using OEM parts to reflect an operator’s specific aircraft/fleet tail configuration.

Safety and efficiency

The CAE 7000XR Series addresses upcoming training regulatory changes and offers innovative solutions to optimize operators’ total cost of ownership requirements. CAE has designed and built more than 800 high fidelity full-flight simulators for airlines, aircraft manufacturers and training centres around the world. With CAE’s no compromise, true fidelity and high reliability rates, you can count on the CAE 7000XR Series 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 actual aircraft.

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

**Next generation instructor office**
- Enhanced ergonomic environment designed around the instructor’s needs
- Best-in-class user interface with new map and plots
- Real-time data analysis for in-cockpit remediation and student performance assessment
- Lesson plan editor to facilitate the creation, modification and testing of a training session
- Mobile connectivity for the instructor’s mobile tablet

**Embedded training capabilities**
- Advanced debriefing station leveraging CAE’s Flightscape Insight™ product
- Simulator Operations Quality Assurance (SOQA) to support training data analysis and evidence based training
- Upset Prevention and Recovery Training (UPRT) compliant with FAA and EASA regulation
- Accurate and up-to-date airport visual databases available through CAE True™ Airport web portal
- Highest resolution visual system with advanced light point modelling and scene content

**Enhanced operational infrastructure**
- Centralized and remote monitoring through the CAE Sentinel application
- Enabling preventive maintenance
- CAE OneUI™, an intuitive and smart troubleshooting tool
- Tangible lifecycle operational benefits

**Optimized design for life cycle benefits**
- A simplified interface architecture leveraging the multipurpose interface card (MPIC) technology
- 64-bit computing architecture
- Optimized sparing strategy
Customer benefits

The new CAE 7000XR Series Full-Flight Simulator provides customers a number of compelling benefits for their flight training organization. These include:

- Common design architecture that enables cost-effective solutions for all cockpit platforms and reduced lifecycle costs
- Flexibility to fully customize a FFS to train the way you fly
- Maximize safety in flight operations through use of new embedded training capabilities
- New technologies that promote more efficient simulator operations
- Ergonomic working environment for simulator instructors
- High simulator availability
- Environmentally friendly
- 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.

CAE’s comprehensive suite of solutions tailored to your training requirements

CAE Simfinity™ desktop
CAE Simfinity™ Integrated Procedures Trainer/Airbus Pilot Transition Trainer
CAE Simfinity™ Flight Training Devices
CAE 7000XR Series Full-Flight Simulators
Full-flight simulator profile

Airbus A320

Airbus A330

Airbus A350

Airbus A380

Boeing 737

Boeing 747

Boeing 777

Boeing 787

Embraer 190

Bombardier C Series