

# CAE 5000 Series Full-flight simulator



One size does not fit all. This understanding inspired a breakthrough simulator solution designed for specific market segments, such as airlines operating narrow-body aircraft and training schools, and also for emerging market requirements, including Multi-Crew Pilot License (MPL) and Very Light Jet (VLJ) training programs.

Introducing the CAE 5000 Series full-flight simulator (FFS). The result of 60 years of experience and significant training expertise, the CAE 5000 Series stems from in-depth consultation with customers and assessment of market and regulatory changes.

Designed to complement the CAE 7000 Series, the new CAE 5000 expands CAE's simulator portfolio and its ability to provide tailored simulator solutions for all market segments and requirements.

From laptops to the highest fidelity Level D full-flight simulator (FFS), CAE applies the same simulation software across the training continuum, assuring an integrated and efficient training experience. No other company offers so comprehensive an array of products, services and customer support. And now, with the CAE 5000 Series FFS, CAE offers customers a new, more targeted and more cost-effective choice.

## Market segments and applications

Around the world, market realities are shifting. New training regulations are being proposed and new aircraft types introduced. Cost and price pressures on airlines continue to grow, and in emerging markets, high growth is driving pilot demand far beyond traditional supply. Clearly there is a need for an innovative simulation solution.

After exhaustive customer research and close coordination with regulatory agencies worldwide, CAE designed the 5000 Series FFS specifically to address several key and emerging market segments.

### The CAE 5000 Series FFS is ideal for:

- Airlines operating narrow-body platforms, such as the Airbus A320 and Boeing 737NG, and/or regional aircraft such as the Bombardier Q400, seeking a cost-optimized training solution
- Third-party training providers requiring a cost-effective, FFS that exceeds regulatory requirements for type-rating and recurrent training as well as for new MPL training requirements
- Business aviation training including the emerging VLJ segment





## Features

There's no sacrifice here. The CAE 5000 Series is designed to enhance market accessibility without compromising quality. Its standardized, modular design leverages CAE's unsurpassed simulation experience while introducing a range of new features, manufacturing processes and technologies, including:

- CAE's true fidelity simulation software based on original equipment manufacturer (OEM) and vendor data and CAE's renowned Level D certified simulation models
- Exceeding Federal Aviation Administration (FAA) and European Aviation Safety Agency (EASA) as well as additional international Level D qualification requirements and will also meet respective training task requirements detailed in international operations and licensing documents
- Ergonomically designed exterior and interior, including a roomy Instructor Operator Station (IOS) and Non Simulated Area (NSA), based on extensive human factors analysis
- Latest generation CAE Tropos-6000™ system employing commercial-off-the-shelf (COTS) graphics processors and lightweight, high-resolution Liquid Crystal on Silicon (LCoS) projectors
- High-fidelity, all-electric motion and control loading systems with 42" or 60" stroke
- Composite components to reduce weight and manufacturing times
- Modular building-block design and optimized deployment strategy
- Safety protection measures meeting or exceeding international standards
- Simplified and unique lifecycle management program, including online access to documentation, spare parts pooling, training, service bulletins and other essential information

## Customer Benefits

For targeted markets and applications, a long list of benefits make a compelling case for the CAE 5000 Series FFS. Taking its place within CAE's comprehensive simulation lineup, it will provide the true fidelity and consistent training experience unique to CAE's turnkey training solutions. The benefits of choosing the CAE 5000 Series include:

- Maximum training value
- Lower acquisition costs
- Significantly reduced lifecycle costs
- Reduced lead times
- Ease of maintainability
- Effective ergonomic working area for instructors and observers
- Environment-friendly solution with reduced facility requirements
- Safe operation
- Aesthetic exterior and interior design
- Best-in-industry global after-sales support



Desktop/Laptop



IPT



FTD

CAE Simfinity™



CAE 5000 Series



CAE 7000 Series

Featuring CAE Tropos™ visual system



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