

CIVIL AVIATION

CAE Prodigy Image generator



Envisioning the
future of flight

Introducing the latest gaming-based technology visuals to CAE simulators

The CAE Prodigy image generator integrates CAE's latest gaming-engine-based technology combined with synthetic environment solutions to deliver stunningly realistic graphics via extraordinarily true-to-life visual images. Using Commercial-Off-The-Shelf (COTS) projection technology, CAE continues to lead the way in immersive training for civil applications. Designed to be flexible and scalable, this solution is compatible with directed projection, head-mounted display and collimated display.



CAE leads the industry in the adoption of new technologies for digital immersion

- First major simulator provider to embrace gaming technology
- CAE's simulation and training experience is key in customizing and integrating Game engines into professional simulators
- CAE Prodigy enables reuse of already developed content and scenarios while unlocking the potential for significant improvements



Powered by gaming engine technologies

- Based on the world's most advanced real-time 3D creation tool.
- High-fidelity gaming-engine generated graphics provide an extremely realistic environment.



True-to life visual images

- Enhanced lighting with shadows, reflections and specular effects.
- Ability to support increased scene density covering larger areas in cities and airport zones.



COTS-based construction

- Flexible and adaptable due to COTS-based construction.
- Provides an upgrade path for any currently fielded FFSS.

Leading the way in immersive training, delivering stunningly realistic graphics via extraordinarily true-to-life visual images for the ultimate interactive training



Advanced Air Mobility

CAE Prodigy will also be available on the CAE 700MXR Flight Simulator and will be enhanced in urban areas with higher imagery resolution and AI-generated geo-typical 3D content. Additionally, smaller geo-specific regions within the larger urban geo-typical areas will be seamlessly integrated to provide exact world replicas during critical phases of flight.



About CAE

At CAE, we equip people in critical roles with the expertise and solutions to create a safer world. As a technology company, we digitalize the physical world, deploying software-based simulation training and critical operations support solutions. Above all else, we empower pilots, cabin crew, airlines, and defence and security forces to perform at their best every day and when the stakes are the highest. Around the globe, we're everywhere customers need us to be with more than 13,000 employees in approximately 250 sites and training locations in over 40 countries. CAE represents more than 75 years of industry firsts—the highest-fidelity flight and mission simulators as well as training programs powered by digital technologies. We embed sustainability in everything we do.

Today and tomorrow, we'll make sure our customers are ready for the moments that matter.

www.cae.com