

CAE at I/ITSEC 2021

Joining forces to transform training and critical operations support



I/ITSEC 2021 Exhibit Information

CAE has undergone a significant transformation this year with the acquisition of L3Harris' Military Training business, which included iconic names in simulation and training – Link and Doss Aviation.

At I/ITSEC 2021, we will showcase how the integrated and combined organizations are developing digitally immersive training and operational support solutions for the dynamic multi-domain environment – air, land, maritime, space and cyber.

The addition of L3Harris' Military Training business to CAE has created the world's leading pure play, platform agnostic simulation, training, and operational support company. Visit us to learn more about the new CAE.

Demonstrations at the CAE booth will include:

- CAE e-Series MR Prodigy Visual System
- CAE Common All-Domain Environment for Test and Training (CADETT)
- CAE Trax Academy – Rotary Wing Flight Crew Training
- CAE Immersive Maintenance Guide (IMG)
- U.S. Marine Corps Wargaming Center
- Vertical Takeoff and Landing (VTOL) Unmanned Aircraft System (UAS) Mission Trainer
- CAE Healthcare Training Solutions
- CAE's Digital Horizon – The Evolution and Transformation of Training and Critical Operations

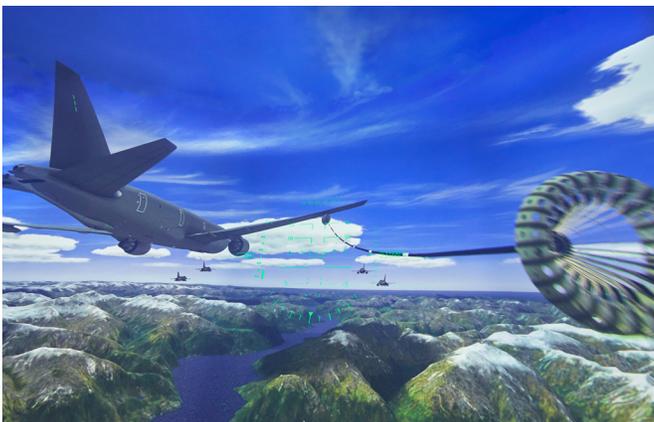
Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC)

www.iitsec.org

Orange County Convention Center,
Orlando, Florida,
November 29th – December 3rd, 2021

CAE Booth #: 1734
Company POC: **Wendy Stough**
Ph: +1 813 517-2195
Cell: +1 813 233-6409

milsim@cae.com
cae.com/defense-security



CAE e-Series MR Prodigy Visual System

Designed specifically for military fighter and fast-jet training, the CAE Medallion MR e-Series visual system includes a back-projection dome display system and high-brightness laser projectors offering unparalleled immersion and realism.

At I/ITSEC 2021, CAE will launch its newest image generator - CAE **Prodigy**, with our 225° dome display version as the showcase. High-fidelity, gaming-engine visuals drive industry-leading electronic collimation, 3D viewing and optimized night vision goggles (NVG). Visitors will be immersed in typical fast-jet training scenarios: air-to-air refueling (AAR), formation flying and low altitude flying, sitting in the cockpit in the CAE Medallion MR e-Series 225° Visual System.

To book a demonstration, please email our team - milsim@cae.com

CAE Common All-Domain Environment for Test and Training (CADETT)

To prepare for a great power competition requires a secure, on-demand, and multi-domain environment to enable effective training and mission rehearsal for the joint force. CAE's Common All-Domain Environment for Test and Training (CADETT) offers this environment for the U.S. military. CADETT is a cybersecure construct employing correlated visuals, threats, and environmental conditions to enable tactical and operational level training for the military user. Empowered by Simulator Common Architecture Requirements and Standards (SCARS) on premise equipment (OPE), our I/ITSEC 2021 CADETT demo connects:

- The air domain (CAE F-16 Mixed Reality Training Device (MRTD))
- The ground domain (CAE Joint Terminal Control Training Rehearsal System)
- The C4ISR operational level (CAE cloud-based Virtual ISR Training Aid, VISTA)



The result is a seamless, correlated, virtual battlespace providing the all-domain training audience full spectrum and realistic stimulation. Air, Ground, C4ISR now... Space, Sea, Cyber next! As the requirement for secure, networked training environment becomes the norm, CADETT represents the next revolution in military training. Join us at CAE's booth 1734 during I/ITSEC 2021 for our demonstration.

To book a demonstration, please email our team - milsim@cae.com

CAE Trax Academy – Rotary Wing Flight Crew Training

Learn, Practice, Perform

The CAE Trax Academy is a training continuum for faster, better and more efficient pilot throughput. This year we will demonstrate the evolution of the CAE Trax Academy from single pilot training to multi-crew training, and from fixed wing to rotary wing flight crew training. The demonstration will highlight the integration of courseware, technologies, and innovation to provide a cohesive and experiential learning continuum for the optimal acquisition of knowledge and development of skills.

Learn – Delivering the academic understanding of a training task or procedure through state-of-the-art training media, including high-fidelity cross platform courseware. VR-enhanced modules supported by Adaptive Learning enable a visually immersive experience for students as they Learn the training procedure.

Practice – Next, students Practice on the interactive CAE Sprint Virtual Reality (VR) trainer equipped with physical controls, supported by a virtual coach and ongoing performance assessment to develop transferrable skills, and master each maneuver. The CAE Sprint VR trainers will simulate a helicopter, including the ability to couple the two Sprint VR trainers for integrated crew training.

Perform – Skills are honed through instructor feedback informed by the cumulative performance data collected from assessment, such as CAE Rise, and monitoring biometric and gaze tracking activity to pinpoint coachable opportunities for actionable feedback.

We invite you to experience this fully immersive and digitally connected training environment as a member of a rotary wing crew in the CAE Sprint VR training devices.



Demonstrations are scheduled for the following times.

CAE Trax Academy Crew

Monday, November 29 15:30 – 16:00 Official launch	Tuesday, November 30 12:30 – 13:00 15:30 – 16:00	Wednesday, December 1 10:30 – 11:00 15:30 – 16:00	Thursday, December 2 10:30 – 11:00
--	---	--	--

CAE Trax Academy – Free play mode, CAE Sprint Trainer

Monday, November 29 16:30 – 17:30	Tuesday, November 30 13:30 – 14:30 16:30 – 17:30	Wednesday, December 1 11:30 – 12:00 13:00 – 14:30 16:30 – 17:30	Thursday, December 2 11:30 – 13:00
---	---	---	--



CAE Immersive Maintenance Guide (IMG)

CAE's Immersive Maintenance Guide is part of our +Tempo line of training products designed to enhance and accelerate maintenance training. It is constructed with detailed and interactive 3D graphics and is delivered either via tablet or in an immersive virtual reality environment through headsets. CAE IMG provides access to the same advanced courseware, which includes current technical order and Interactive Electronic Tech Manuals (IETMS) data. Benefits of CAE IMG include accelerated skills acquisition, built in performance feedback, rapid ingestion of updated technical order data, and reduced need for live assets, to name a few. CAE IMG brings effective maintenance training at the point of need and was proven on a CV-22 trial to increase student's overall proficiency and confidence by 42%.

U.S. Marine Corps Wargaming Center

CAE USA is part of the BAE Systems industry team supporting the prototype design for the U.S. Marine Corps Wargaming Center in Quantico, VA. CAE provides simulation expertise and synthetic environment development services, including weather modeling, terrain generation and three-dimensional (3D) data visualization. Along with other industry partners, BAE offers breakthrough technology and predictive analytics-based wargaming solutions that automate planning, execution, and post-game analytics. The integrated, forward-leaning prototype, Pioneer, is designed to meet the future wargaming requirements of U.S. government customers, providing automated, intelligent, and trustworthy capability across multiple domains including land, air, sea, space and cyber. Pioneer utilizes cutting edge, explainable artificial intelligence (AI) based on linguistic geometry, machine learning, and predictive analytics to deliver a truly immersive environment with critical verified, validated, and accredited analytics to provide military leaders with a competitive and information advantage.



Vertical Takeoff and Landing (VTOL) Unmanned Aircraft System (UAS) Mission Trainer

The CAE Universal high-fidelity UAS Mission Trainer now includes a VTOL vehicle option, in addition to the current Medium Altitude Long Endurance (MALE) version. Our trainer is platform-agnostic - the simulator can be tailored to simulate any specific UAS aircraft with any sensor payload suite. Leveraging the Open Geospatial Consortium Common Database (OGC CDB) architecture and commercially available technology, CAE's UAS Mission Trainer is not subject to the International Traffic in Arms Regulations (ITAR). The completely immersive synthetic environment provides capabilities for ab-initio training, basic flight operation, basic payload operation as well as mission planning and mission rehearsal. The UAS Mission Trainer includes typical payloads such as Electro Optic/Infrared/Low Light TV, Synthetic Aperture Radar (SAR), all controlled by a STANAG 4586 compliant Ground Control Station (GCS). Join us at CAE's booth 1734 during I/ITSEC 2021 for our demonstration.

Meet the medical challenges of tomorrow today with CAE Healthcare

CAE Healthcare designs and delivers educational tools that help current and future healthcare providers enhance the quality of patient care and improve patient safety. Our holistic suite of solutions includes mid- and high-fidelity patient simulators, interventional and imaging simulation, augmented and virtual reality, audiovisual debriefing solutions and learning applications.

At I/ITSEC 2021, CAE Healthcare will showcase mission-ready training solutions at CAE's Booth 1734. Stop by to learn more about:

- Our high-fidelity patient simulators, including trauma, OB and pediatric
- Task trainers ideally suited for tactical combat casualty care
- CAE VimedixAR, our ultrasound training simulator with Microsoft HoloLens module



CAE Digital Horizon – The Evolution and Transformation of Training and Critical Operations

VIDEO SHOWCASE

CAE is making significant investments in funding, people, organization, and infrastructure to develop the digital capabilities expected to revolutionize training and operations support.

This video compilation highlights ongoing work on CAE's innovation projects –Digital Twin/National Synthetic Environment (NSE), US Special Operations Command Mission Command System Common Operating Picture (MCS COP), US Marine Corps Wargaming, CAE Prodigy image generator and more – demonstrating the capabilities in development that will support the readiness of our customers.



CAE Hospitality Reception at I/ITSEC 2021

On Wednesday evening, December 1, CAE will host its Hospitality Reception from 18:30 – 20:30 at the Hyatt Regency Orlando, 9801 International Dr. Orlando, FL, 32819. This year's event highlights the founders of modeling and simulation Edwin Link, Luther Simjian and Ken Patrick by uniting Link's Chili Night with CAE's International reception. Join us and enjoy international hors d'oeuvres and drink and our famed chili in celebration of CAE's expanded global operations and the customers we serve worldwide.

 @CAE_Defence

 CAE USA

 @CAE_Defence

