CAE Healthcare
2021 Products and Services Catalog

Your worldwide training partner of choice
CAE HEALTHCARE

Better healthcare for all begins with better training for all healthcare professionals.

At CAE, our goal is to provide the most advanced, realistic medical training solutions available. Our end-to-end spectrum of healthcare solutions includes patient, surgical and imaging simulation, center management, and learning modules. Whether a hospital, nursing or medical school, emergency response team, military branch, or allied health program, we offer custom healthcare training solutions in risk-free environments that will take your team to the next level of confidence, knowledge and preparedness.
“Keeping people safe is part of our company’s mission, and every employee at CAE is passionate about this noble cause.”
CAE is a global leader in safety. That doesn’t happen by accident.

CAE is a high-technology company at the leading edge of digital immersion, providing solutions to make the world a safer place. Backed by a record of more than 70 years of industry firsts, we continue to reimagine the customer experience and revolutionize training and operational support solutions in civil aviation, defense and security, and healthcare. We are the partner of choice to customers worldwide who operate in complex, high-stakes and largely regulated environments, where successful outcomes are critical. We have the broadest global presence in our industry, with approximately 10,000 employees, 160 sites, and training locations in over 35 countries. In 2009, the company leveraged its vast experience in aviation by founding CAE Healthcare, a medical simulation business with a mission to improve training and increase patient safety. Today, hospitals, medical schools, nursing schools, defense forces and societies in more than 80 countries use CAE training solutions to make healthcare safer.
At CAE, quality is engineered into everything we do. Some of the world’s finest modelers of human physiology collaborate with our experienced core of medical simulation engineers to design and build the very best simulation training tools while advancing technology and accelerating innovation. We have adopted Lean Six Sigma principles and management practices to ensure operational excellence at every phase, and have achieved ISO 9001:2015 certification. This certification is a testament to our deep commitment to only delivering the highest quality healthcare simulation products and services in the world. With customers across the globe, our dedicated regional customer service team is on call and prepared to deliver fast, reliable and personalized service, and solve the most complex challenges with high-quality solutions.
Life-like training leads to lifesaving skills.

With life-like respiratory and cardiovascular systems, and the ability to automatically generate physiological responses, our patient simulators are as close to the real thing as you can get without someone's life on the line.
HEIDI WOOD /
PRESIDENT, CAE HEALTHCARE
EXECUTIVE VICE PRESIDENT,
BUSINESS DEVELOPMENT &
GROWTH INITIATIVES FOR CAE
“It’s vital for medical professionals to receive the most realistic and advanced training possible to ensure patient safety when providing critical clinical care.”
CAE Aria™

DEVELOP CRITICAL DECISION-MAKING AND CLINICAL SKILLS RELATED TO PEDIATRIC EMERGENCIES AND PATIENT CARE

Designed to cater to a full spectrum of training requirements in pediatric care, CAE Aria presents a wide range of clinical interventions, allowing learners to practice the high demands of children's healthcare without the risk.

FEATURES

CERTIFICATION TRAINING SUPPORT /
Supports PALS, PEARS, APLS Certification training requirements.

ADVANCED AIRWAY /
Supports a variety of airway adjuncts.

NEUROLOGICAL ASSESSMENT /
Sternal rub, cyanosis and seizures.

PROCEDURAL SKILL PRACTICE /
Central venous and IO access, defibrillation and CPR, gastrostomy tube.
CAE Apollo™

RELIABILITY MEETS REALISM FOR NURSING OR PREHOSPITAL CARE

With its unique physiological model, CAE Apollo creates realistic patients with automatic behavior for an in-depth and more effective training experience. CAE Apollo offers versatility and fidelity, with tailored configurations for nursing and prehospital programs.

FEATURES

PREHOSPITAL – DIFFICULT AIRWAY /
Realistic airway accepts all airway adjuncts, with various actuators and difficult airway scenarios to challenge learners.

PREHOSPITAL – ADVANCED TRAUMA FEATURES /
On-board reservoir for venous or arterial bleeding from up to two sites simultaneously to simulate traumatic injuries.

NURSING – GASTRIC LAVAGE/GAVAGE /
Ability to administer nutritional supplements or medications to stomach or flush out stomach contents.

NURSING – TRACHEOSTOMY /
Site for practicing suctioning techniques, care and management of tracheostomy.
CAE Ares™

AN EMERGENCY CARE MANIKIN YOU CAN RELY ON
CAE Ares is versatile and reliable to withstand rigorous emergency care team training. Built on a modern platform and created to fulfill the requirements in advanced life support and other emergency patient management protocols, CAE Ares is durable to sustain repeated lifesaving maneuvers.

FEATURES

SYMEYES /
Blinking eyes with reactive pupils that display an array of patient symptoms and states.

LIFESAVING MEASURES /
Advanced airway for intubation and ventilation and advanced CPR performance analysis measures.

ARES LEARNING EXPERIENCE APP /
Mobile application with educational content focused on six Simulated Clinical Experiences (SCEs). Includes pre- and post-test questions, study cards on pathophysiology, assessment, management and clinical pearls.

CAE AresAR /
An engaging augmented reality solution that helps learners visualize real-time 3D holograms of human anatomy and physiology for increased immersion and interaction in life-threatening medical emergency training.
CAE Athena™

A FEMALE PATIENT SIMULATOR FOR ADVANCED HEALTHCARE TRAINING

CAE Athena delivers realism and flexibility in female patient simulation. Fully wireless and tetherless for mobile simulation and transport scenarios, with capabilities for advanced practice in airway management, ventilation and cardiovascular education, Athena allows healthcare teams to build stronger technical and non-technical patient management skills.

FEATURES

SYMEYES / Blinking eyes with reactive pupils that display an array of symptoms and conditions.

AESTHETICALLY AUTHENTIC / Realistic female proportions, anatomy and vocalization.

HIGHLY ADVANCED LUNG / Responds to mechanical ventilation and triggers a ventilator. Ventilation efficacy automatically reflected in the alveolar and blood gas concentrations.

ADVANCED CPR / AHA-compliant CPR maneuvers on a female patient with comprehensive performance analysis.
CAE HPS®

A SIMULATOR THAT BREATHTES – FOR ANESTHESIA, RESPIRATORY AND CRITICAL CARE
The only human patient simulator currently on the market that provides true respiratory gas exchange, CAE HPS interfaces with real clinical monitors and ventilators, and automatically responds to the administration of real anesthetic gases, oxygen therapy and medications.

FEATURES

AUTHENTIC BREATHING /
Realistic respiratory system that adds the ability for uptake and distribution of volatile anesthetics, direct gas exchange in the lungs, variable airway resistance, lung and chest wall compliance, and real capnography.

ADVANCED TECHNOLOGIES /
Highest fidelity that supports high stakes competency development or assessment in respiratory care and management with real monitor interface, drug recognition, thumb twitch, pericardiocentesis and peritoneal lavage.

INTEGRATED MODELED CAE PHYSIOLOGY /
Automatically determines patient responses to user intervention in real time.
CAE Juno™

UNIQUELY DESIGNED TO MEET CLINICAL COMPETENCIES
Designed to meet today’s educational requirements for nursing, the CAE Juno clinical skills manikin offers a unique combination of basic to advanced scenarios that engage and prepare learners to thrive when entering challenging hospital environments.

FEATURES

SCALABLE /
Modular configurations that are scalable to meet growing or changing educational program needs.

REAL FLUID SUPPORT /
CAE Juno offers realistic clinical skill acquisition and honing with the ability to manage real fluids for eye and ear irrigations, IV administration, IM/SQ administration, airway suctioning, gastric lavage/gavage, ostomy care, urinary catheterization and enema administration.

2-IN-1 /
Easily and fully converts from female to male with chest skin, wig and genitalia for increased realism, saving program cost and space.

MULTI-SIM CONTROL /
Allows for control of up to 10 synchronized CAE Juno units from a single instructor device.
CAE Lucina™

UNRIVALED REALISM AND VERSATILITY FOR NORMAL CHILDBIRTH AND EMERGENCY OBSTETRICAL SCENARIOS

CAE Lucina is the most advanced and easy-to-use childbirth simulator, with validated, integrated maternal-fetal physiology to train on all the stages of delivery and rare emergency obstetrical scenarios.

FEATURES

INTERVENTION DETECTION /
Objective real-time feedback helps assess learner performance in shoulder dystocia, uterine massage and CPR maneuvers.

BIRTHING MECHANISM /
Best-in-class birthing mechanism that is silent, sophisticated and reliable. The birthing fetus is free of mechanical connection points, disengages smoothly from delivery mechanism and allows for a realistic delivery.

SYMEYES /
Blinking eyes with reactive pupils that display an array of symptoms and conditions.

HIGHLY ADVANCED LUNG /
Responds to mechanical ventilation and triggers a ventilator. Ventilation efficacy automatically reflected in the alveolar and blood gas concentrations.

MULTIPLE CONFIGURATIONS /
CAE Lucina’s prepartum, intrapartum, postpartum and non-gravid configurations address a wide variety of training needs in obstetrical care. Supports performing prepartum vaginal exams with static cervices and managing a Class III postpartum hemorrhage with a 1.8 liter fluid reservoir.
CAELuna™

YOUR COMPLETE SOLUTION FOR NEONATAL TRAINING
CAE Luna is the product of choice for neonatal healthcare providers who need to develop, demonstrate and maintain proficiency and competency in caring for infants. From well newborn assessment and care to advanced life support and resuscitation skills, CAE Luna provides the total training solution for making neonatal care safer.

FEATURES

ADVANCED AIRWAY /
The only infant simulator that supports laryngospasm and a tracheostomy site for practicing and honing unexpected life-threatening respiratory events.

NEONATAL PHYSIOLOGICAL MODELS /
CAE Luna’s sophisticated physiological models generate realistic and automatic neurological, cardiovascular and respiratory responses to clinical interventions and medication administrations specific to neonatal patients.

RESUSCITATION SKILLS /
In accordance with NRP and PALS guidelines, effective chest compressions result in artificial circulation, cardiac output, central and peripheral blood pressures, palpable pulses and CO₂ return, thereby providing realistic feedback on learner performance.
NEXT-GENERATION TECHNOLOGY FOR THE NEXT GENERATION
OF HEALTHCARE PROFESSIONALS

Mixed reality. Simulated equipment. Gaming. This is where healthcare education is going, and CAE is helping pioneer the way. We are harnessing the power of state-of-the-art technologies to create sophisticated learning tools that offer an immersive and interactive glimpse into the innermost workings of the human body, in turn accelerating retention and learning. This is the future of healthcare education. CAE makes it available today.
Deliver powerful simulation training from anywhere with CAE Maestro Evolve, an interactive virtual learning platform offering limitless possibilities for innovative instruction and content development via a continuous stream of new, pre-programmed scenarios, virtual patients, virtual medical equipment and teaching tools.
FEATURES

CHECKLISTS /
Captures learners’ clinical and communication skills.

MONITOR SIGNALS /
Instructor has full control to customize the Maestro simulated patient monitor signals and data.

ASSESSMENT TOOLS /
AHA-compliant CPR guidelines to CPR analysis supports assessment and feedback of learner performance.

PATIENT RECORDS /
Uploaded media files can be shared to learners during the simulation experience.

LOGS /
Real-time event logging captures interventions and patient status changes that can be used in debriefing.
CAE Maestro™

POWER MEETS SIMPLICITY IN ONE CONTEMPORARY SIMULATION PLATFORM

CAE Maestro, the latest generation of patient simulation software, features the power of CAE Physiology for model-driven simulation and is designed with a streamlined interface for instructor-driven scenarios.

Flexible checklists capture clinical skills performance as well as communication skills.

Instructor has full control to customize Maestro-simulated patient monitor signals and signs.

AHA-compliant CPR analysis supports assessment and provides feedback to learners.
Cost-effective training using simulated medical equipment, with or without a manikin.

Advanced simulation training has never been simpler. We combine enhanced SCEs with simulated medical equipment for hands-on training with (or without) a manikin.
“We close the loop between education, training and safety in healthcare.”
ENHANCE YOUR CONFIDENCE WITH MACHINE SIMULATION TRAINING

CAE SimEquip Anesthesia expertly mimics the management of a wide range of patient conditions and standard settings to allow instructors to expand the variety and complexity of Simulated Clinical Experiences (SCEs). With CAE SimEquip, healthcare professionals get the hands-on training in advanced anesthesia equipment scenarios they need to deliver effective patient care with confidence.

Available in Standalone and Maestro Add-on configurations.
FEATURES

ANESTHETIC ADMINISTRATION
• Provides the ability to virtually administer commonly used anesthetic medical gases, such as nitrous oxide and volatile fluorinated liquids (isoflurane, desflurane, sevoflurane)

PRECISE ADJUSTMENTS
• Adjust pressure and flow while providing ventilation support
• Utilize the rebreather bag at half or full squeeze

ADVANCED MONITORING
• Includes the capability to dynamically capture a patient's status
• Some of the onscreen patient monitor features include: 12-lead ECG, invasive blood pressure, temperature, CO₂ and pulse oximeter monitoring
CAESimEquip™ Ventilator

ADVANCED VENTILATOR TRAINING MADE EASY

CAE SimEquip Ventilator expertly presents a wide range of patient conditions, enabling instructors to implement multiple ventilation therapy-related scenarios. Now, healthcare professionals can get the hands-on training in advanced respiratory care they need to deliver effective patient care with confidence.

Available in Standalone and Maestro Add-on configurations.
FEATURES

MODE SELECTION /
• Offers both invasive and non-invasive options to accommodate advanced airways or mask ventilation
• State-of-the-art modes for various types of support (VC, PC, CPAP + PS, VSV, SIMV VC, NAVA)

DETAILED PARAMETER SELECTION /
• Selectable parameters for various levels of ventilatory support (FiO2, PC, PS, PEEP, flow trigger, tidal volume, respiratory rate)

MONITORING /
• Multiple display options, including waveforms and loops, to determine the best ventilation strategy
• Lung protective ventilation monitoring parameters, such as mean airway pressure, plateau pressure, resistance and compliance
CAESimEquip™
Transport Ventilator

THE EASY PATH TO ADVANCED SIMULATION TRAINING

The CAE SimEquip Transport Ventilator expertly enables the management of a wide range of patient conditions and standard transport ventilator settings. Now, instructors can implement multiple transport ventilation therapy Simulated Clinical Experiences (SCEs) and healthcare professionals can get the hands-on training they need to deliver effective patient care with confidence.

Available in Standalone and Maestro Add-on configurations.

FEATURES

MODE SELECTION /
• Offers both invasive and non-invasive options to accommodate advanced airways or mask ventilation
• State-of-the-art modes for various types of support (VC, PC, CPAP + PS, VSV, SIMV VC, NAVA)

DETAILED PARAMETER SELECTION /
• Selectable parameters for various levels of ventilatory support (FiO₂, PC, PS, PEEP, flow trigger, tidal volume, respiratory rate)

MONITORING /
• Multiple display options, including waveforms and loops, to determine the best ventilation strategy
CAE SimEquip™ Defibrillator

ADVANCED HANDS-ON RESUSCITATION TRAINING WITH OR WITHOUT A PATIENT SIMULATOR

CAE SimEquip Defibrillator expertly mimics the management of a wide range of patient conditions and standard settings found on conventional monitor defibrillators and automatic external defibrillators (AEDs). With CAE, instructors can expand the variety and complexity of resuscitation and ECG-related Simulated Clinical Experiences (SCEs), and healthcare professionals get the hands-on training they need to deliver effective patient care with confidence.

Available in Standalone and Maestro Add-on configurations.
FEATURES

CPR ASSISTANCE /
• AED mode delivers audible prompts to guide the learner
  • Metronome rate 100-120 beats per min
  • Compressions to ventilations ratio (guidelines compliant) 30:2, 15:2
  • Analyzes status and need for shock
  • Voice prompts for shock advised
• Defibrillator mode
  • Selectable energy for cardioversion and defibrillation (charge and energy select 2-360 joules)
  • Selectable pacing rates for sync or on demand (pacing rate 40-170 beats per minute)

ADVANCED MONITORING /
• 12-lead ECG
• Heart rate
• Respiratory rate
• NIBP
• EtCO₂
• Pulse oximetry
• Temperature
• Invasive blood pressure
Ultrasound’s ability to improve patient outcomes is largely dependent on the skill of the practitioner. Practitioner, start practicing.
MARISA BELOTE, PHD, MBA, RN / ASSOCIATE PROFESSOR/DIRECTOR OF SIMULATION, THE UNIVERSITY OF TAMPA, PHYSICIAN ASSISTANT MEDICINE PROGRAM
“With this kind of technology, the possibilities are endless.”
CAE Vimedix™ Cardiac, Abdomen

THE MOST COMPREHENSIVE AND EASY-TO-USE ULTRASOUND SIMULATOR FOR YOUR TRAINING NEEDS

CAE Vimedix is a high-fidelity simulator that facilitates the learning process for cardiac, lung, abdominal and OB-GYN ultrasound – all on one common platform. With its state-of-the-art manikin-based system and innovative software tools, CAE Vimedix accelerates the development of essential psychomotor and cognitive skills for ultrasound probe handling, image interpretation, diagnoses and clinical decision-making.

A case of Takotsubo cardiomyopathy Continuous Wave Doppler
FEATURES

COMMON PLATFORM /
Cardiac, pulmonary, abdominal and OB-GYN modalities share one user interface for a comprehensive and seamless ultrasound learning experience for remote learning and hands-on practice.

SELF-DIRECTED CONTENT /
With a range of self-directed instructional content such as Target Cut Planes, students can learn basic ultrasonographic principles without an instructor present, and tailor their user experience for optimal learning.

VALIDATED PERFORMANCE METRICS /
Integrated performance metrics, validated in peer-reviewed scientific publications, allow students to continuously develop their psychomotor and cognitive skills for optimal ultrasound scanning.

3D/4D CARDIAC ULTRASOUND /
CAE Vimedix is the only ultrasound simulator to offer volumetric scanning in real time, with detailed and intricate views of the heart in both normal and diseased states, allowing for advanced cardiac assessment and diagnosis.
ACCELERATE THE LEARNING PROCESS AND GAIN PROFICIENCY WITH OB-GYN ULTRASOUND EXAMS

The Vimedix OB-GYN ultrasound simulator teaches trainees to perform and interpret ultrasound exams in the first and second trimesters of pregnancy.

FEATURES

TRANSABDOMINAL AND TRANSVAGINAL /
Learn to perform both transabdominal and transvaginal ultrasound exams using a curvilinear probe and an endovaginal probe, respectively.

AUGMENTED REALITY /
Learn basic anatomy with 2D augmented reality and understand the relationship between the transducer beam and the ultrasound image.

REAL-TIME IMAGES /
High-resolution, real-time images of a fetus at 8, 12 and 20 weeks.

VIRTUAL INSTRUCTOR /
Learn on your own and compare your obstetrics measurements and calculations to those performed by a clinical expert.
Fetal Cranial Anatomy

Gastrochisis (20 weeks)
CAE Blue Phantom™
Ultrasound Training

THE MOST REALISTIC AND DURABLE ULTRASOUND TRAINING PRODUCTS FOR HANDS-ON TRAINING

CAE Blue Phantom is the world leader in ultrasound training models, with more than 175 base products and accessories. The Blue Phantom product portfolio contains low-, mid- and high-fidelity task trainers covering a variety of specialties, including: regional anesthesia, cardiology, emergency medicine, vascular access, musculoskeletal, interventional, obstetrics and gynecology. Designed and fabricated with our patented technology, ultrasound-guided procedural training has never felt so realistic.
FEATURES

SIMULEX™ TISSUE /
Each Blue Phantom model is designed and fabricated with our patented technology – the Simulex™ tissue – to replicate the acoustic properties of human tissue.

DURABILITY /
Thanks to the self-healing properties of our Simulex tissue, each Blue Phantom model guarantees at least 1,000 simulation attempts, backed by a one-year warranty.

COMPATIBILITY /
CAE Blue Phantom products can be used with any diagnostic ultrasound system.
We redesigned our femoral model to provide a more realistic training experience for placing femoral lines and practicing nerve blocks.

**FEATURES**

- Anatomy based on digital human files.
- Innovative pumping system simulates arterial pulsation and vein compressibility.
- Expanded nerve anatomy.
- Superior reliability and durability.
CAE BluePhantom™
Midscapular Thoracentesis Ultrasound Training

Gain experience and confidence with needle insertion and aspirating pleural effusions with this hands-on training model. The ultra-durable, self-healing tissue offers a long life, providing a low cost of ownership.

FEATURES

• Excellent imaging characteristics using any ultrasound imaging system.

• Extremely realistic: model contains structures, including the chest wall superficial tissue, sixth, seventh, eighth, and ninth ribs and intercostal spaces, pleural cavity with lung and atelectatic lung, diaphragm, and superior aspect of the spleen.

• Users learn to avoid accessory structures, such as the spleen, diaphragm and lung.

• Positive fluid flow offers users immediate feedback when pleural effusion fluid is accurately accessed.
A new model of surgical education where virtual reality, haptics and real patient cases pave the way.

Our minimally invasive interventional simulators give surgery residents the opportunity to gain proficiency and technical skills in a risk-free environment. This is the place to make mistakes and learn.
CHRISTINE PARK, MD, FASA, FSSH
DIRECTOR OF SIMULATION AND INTEGRATIVE LEARNING INSTITUTE, UNIVERSITY OF ILLINOIS
“We simply can’t have patient safety without simulation.”
CAE EndoVR™

ALL-IN-ONE TRAINING FOR ENDOSCOPY AND BRONCHOSCOPY

CAE EndoVR is the all-in-one simulator for both gastrointestinal and bronchial training. This interventional simulator offers learning modules for bronchoscopy, EBUS-TBNA, upper GI, and lower GI to give learners a comprehensive set of cases for their simulation-based learning. Customize curriculum to match learner needs. Capture metrics, set parameter levels and upload supplemental multimedia content to get the most out of your CAE EndoVR simulation solution.

FEATURES

CURRICULUM MANAGEMENT AND PERFORMANCE REPORTING /
Instructors can capture metrics, set parameter levels and efficiently upload supplemental multimedia content to maximize learning. Upon a learner’s completion of each module, a performance report that includes a full evaluation of the learner’s performance is compiled for after-action review.

REAL PATIENT DATA /
Real patient cases with anatomic variations, complications and physiological models allow learners to gain confidence and experience as they develop gastrointestinal and bronchoscopic procedure proficiencies.

HAPTIC FEEDBACK /
CAE EndoVR delivers realistic haptic technology that accurately replicates the use of a scope during procedures, enabling learners to “get a real feel” for gastrointestinal tract and bronchial endoscopy assessments.

COMING SOON

Endoscopic Ultrasound (EUS) and Endoscopic Submucosal Dissections (ESD)
CAE LapVR™

IMMERSIVE, HIGH-FIDELITY SIMULATION FOR LAPAROSCOPIC SURGICAL TRAINING

Practice, learn and improve minimally invasive surgical (MIS) skills, from basic to advanced laparoscopic procedures, with CAE LapVR surgical simulator for laparoscopy training. CAE LapVR gives learners the opportunity to develop proficiency in techniques such as suturing, knot tying and loop ligation as well as frequently performed laparoscopic surgeries like gallbladder removal and tubal occlusion, before ever touching a real patient.

FEATURES

COMPREHENSIVE TRAINING MODULES /
CAE LapVR includes a combination of essential and procedural skill-based tasks with varying degrees of difficulty to help learners practice and gain proficiency. Complementary content includes basic Minimally Invasive Surgery (MIS) skills, such as: camera navigation, peg transfer, cutting, clipping and needle driving. Advanced tasks include: adhesiolysis, running the bowel, suturing, knot tying and loop ligation.

REAL PATIENT DATA /
With lessons derived from real patient data, learners gain confidence and experience as they develop proficiency in laparoscopic procedures.

MODERNIZED PLATFORM /
In addition to a user-friendly platform, the CAE LapVR surgical simulator is height adjustable, compact, lightweight and easy to store. Learners can also effectively develop visual-spatial dexterity with both dominant and non-dominant hands.

COMING SOON
OB-GYN Procedures: Hysterectomy, Salpingectomy and Tubal Ligation
INCREASE ENDOVASCULAR PROFICIENCY WITH EASE

CAE Healthcare’s newly redesigned CathLabVR endovascular simulator is a highly portable system that allows residents and physicians to practice endovascular procedures anywhere, anytime. Learners navigate diverse virtual 3D anatomies with cardiac and vascular abnormalities as they develop proficiency within a safe learning environment.

FEATURES

MODULARITY, PORTABILITY, DURABILITY / The new CAE CathLabVR is redesigned with flexibility and portability in mind. With its compact modular design, this on-the-go simulator can even travel with you on an airplane.

REAL PATIENT DATA / Real patient cases, modeling varying anatomies, complications and physiologies, allow learners to gain confidence and experience as they develop proficiencies.

METRICS AND USER MANAGEMENT / Advanced performance metrics let instructors easily customize case parameters to match each learner’s performance level. At the completion of each case, learners can be debriefed with evidence-based metrics and outcome measurements.
CAE NeuroVR™

THE MOST ADVANCED NEUROSURGERY SIMULATOR FOR ENHANCED RISK-FREE TRAINING

CAE NeuroVR enables neurosurgeons and residents to practice and develop expert skills in open cranial and endoscopic brain surgery within an immersive virtual reality training environment. With training modules that replicate realistic instruments, imaging and open neurological procedures, CAE NeuroVR allows for risk-free, self-directed practice resulting in reduced medical errors and better patient outcomes.

FEATURES

ENHANCED REALISM /
Develop expert skills due to CAE NeuroVR’s enhanced realism, which includes realistic sounds, tactile feedback and life-like representation of brain tissue, blood vessels and tumors.

CURRICULUM AND PERFORMANCE REPORTING /
Neurosurgeons and residents have access to an extensive range of exercises for comprehensive training. With integrated performance feedback metrics, self-directed learning with targeted proficiency goals has never been easier or more complete.

REAL PATIENT DATA /
Using real patient data, learners gain confidence and experience as they develop proficiency in neurological procedures.
Surgical Cut Suits and Trauma Training

PREPARING CLINICIANS FOR TRAUMATIC INJURY MANAGEMENT AND MASS CASUALTY CARE

CAE Healthcare is the worldwide distributor for Strategic Operations (STOPS) Inc. medical products for simulation-based education in traumatic events, point-of-injury triage, treatment en route, and transition of care and surgical intervention. Through Hyper-Realistic® cut suits and task trainers, medical and non-medical personnel learn to safely manage severe patient trauma scenarios by experiencing the realistic look, feel, behaviors and smells of extreme medical events.
FEATURES

SURGICAL CUT SUIT /
The human-worn Partial Task Surgical Simulator (a.k.a “Cut Suit”) allows first responders and physicians to gain proficiency while safely practicing real procedures associated with severe traumatic events.

BPS (BLOOD PUMPING SYSTEM) /
An innovation in patient-worn bleeding simulation, BPS is a hyper-realistic medical training system designed to simulate human arterial and venous hemorrhage in conjunction with the simulated human injury products.

EMERGENCY MEDICAL SERVICES/TACTICAL COMBAT CASUALTY CARE (EMS/TCCC) CUT SUIT /
Realistically prepare medical teams to treat and manage the three primary causes of death (uncontrollable hemorrhage, airway compromise and tension pneumothorax) on the battlefield at the point of injury, following emergency assessment and during subsequent treatment.

6-IN-1 TRAINER /
Combining multiple task trainers within one unit, the 6-in-1 trainer eliminates the need for multiple products. Practice procedural and tactical interventions, such as Nasopharyngeal Airway (NPA) adjunct insertion, clearing of upper airway obstructions, surgical airway, needle thoracentesis, sternal intraosseous catheter insertion and proximal humerus intraosseous catheter insertion.

REALISM /
Hyper-Realistic® and human-worn, these medical products for simulated-based training provide both medical and non-medical personnel with the utmost realistic trauma scenarios from look to feel, and even smell.

CUSTOMIZABLE AND DURABLE /
Cut Suits are customizable and repairable by the user, which allows for custom training over multiple uses.
Never miss a single teachable moment.

Elevate your clinical training experience with CAE LearningSpace, offering end-to-end simulation management for in-person and remote training programs.
JARED STAAB, DO, MA
ASSOCIATE PROFESSOR,
PROGRAM DIRECTOR,
CRITICAL CARE ANESTHESIOLOGY,
UNIVERSITY OF KANSAS MEDICAL CENTER
“You have a company devoted to people, patients, healthcare personnel and patient safety. When something is designed on a foundation as strong as that, it’s a novel concept.”
CAE LearningSpace™

A COMPREHENSIVE AND HASSLE-FREE SOLUTION FOR SIMULATION MANAGEMENT

Gain a 360-degree view of your simulation training environment, learner performance and educational outcomes. CAE LearningSpace is a proven center management solution for performance improvement in training environments, with effective video-driven performance assessment. Capture stunning HD recording in real time, allowing facilitators to debrief anytime and anywhere to improve technical and non-technical skills and facilitate self-reflection.

FEATURES

WEB-BASED / Record, annotate and assess in any room, on any device and from anywhere. Eliminate downtime with remote system monitoring, troubleshooting, regular backups and software updates.

SECURE / Protect privacy and data with centralized authentication of all users, password sign-on and encryption of all captured data and recording.

CENTER MANAGEMENT / A host of center management solutions, such as Inventory Management, make it easier for you to focus on delivering high-quality training.

SCALABLE / With universal hardware configurations available on one scalable platform, CAE LearningSpace grows with your center. Add rooms, features and linked simulation centers as your program grows.

DISTANCE LEARNING / Manage delivery of your simulation training with Standardized Patients (SPs) and for Objective Structured Clinical Examination (OSCE) encounters, manikin-based sessions, lectures and presentations all on one platform. Engage with students through livestreaming, video uploads of lectures and student sessions from any device.
CAE LearningSpace™ Enterprise Lite

VIRTUAL, HARDWARE-FREE SIMULATION CENTER MANAGEMENT

LearningSpace Enterprise Lite is CAE’s hardware-free, cloud-based software-only simulation management solution, providing end-to-end tools for remote, virtual simulation trainings. Helping you manage virtual OSCEs and SP encounters, CAE LearningSpace Enterprise Lite helps you securely schedule, record, annotate and assess remote simulation trainings.

BEST-IN-CLASS CUSTOMER SERVICE / Reliable and knowledgeable support, with rapid troubleshooting and resolution for reduced downtime.

COMPREHENSIVE PROJECT MANAGEMENT / From initial consultation through system design, implementation and training, one dedicated team will help you meet your educational objectives, budget and timeline. Whether your goal is to increase pass rates, prove ROI for your simulation center or ensure maximum efficiency with limited staff, we are the best team to offer a custom simulation management platform.
CAE LearningSpace™ Experience

A SIMPLIFIED SYSTEM FOR INTELLIGENT CAPTURE AND DEBRIEF

CAE LearningSpace Experience is a simple solution for debrief, easily adaptable in fast-paced healthcare environments where standards and practices are rapidly evolving. The user-friendly system allows clinical teams of all levels to hit the ground running as they practice new safety protocols and gain instant feedback.
CAELearningSpace™ Essentials

A STREAMLINED SYSTEM THAT EXCEEDS EXPECTATIONS

CAE LearningSpace Essentials is a streamlined center management system designed for nursing or allied health programs, with easy scheduling, integrated patient simulator curriculum and checklists for standardized assessment and evaluation. Get started quickly with a system that includes all the proven benefits of LearningSpace for more effective simulation and video-enhanced improvement.

CAELearningSpace™ Enterprise

A PROVEN SOLUTION FOR EFFECTIVE CLINICAL SIMULATION CENTER MANAGEMENT

CAE LearningSpace Enterprise is CAE Healthcare’s proven simulation center management system, with a nearly 20-year track record and a community of experienced users around the world. Our most robust clinical simulation management platform, LearningSpace Enterprise offers an enriched end-user experience, including audiovisual capture and debrief, centralized SP management, advanced scheduling and rich reporting to manage all aspects of healthcare learning.
Peer consultations, training and support available on-call.
Just like you.

You're in good hands with our team of registered nurses, surgeons, general practitioners and specialists, who provide peer-to-peer support and will guide you every step of the way.
“Simulation technology allows practice and coordination of teams to execute complex skill sets when the stakes are high.”
HELPING TO IMPROVE PATIENT SAFETY AND OUTCOMES

The CAE Healthcare Academy is your partner for education, consultation, support and turnkey solutions in your learning environment. Members of the Academy provide ongoing “train the trainer” services for simulation-based education and also offer consulting and professional services to improve the effectiveness and efficiency of healthcare learning environments.
FEATURES

EDUCATION SOLUTIONS /
AEC Healthcare offers healthcare organizations evidence-based, clinical education solutions to help improve
patient safety and outcomes.

PRODUCT EDUCATION /
Training for Life™ courses, customer on-site courses, educational webinars, product videos and essentials
of simulation.

CONTINUING EDUCATION /
Adaptive and self-directed learning, simulation webinars, CAE ICCU e-Learning.

CUSTOMER SUPPORT /
Clinicians available 12 hours per day Monday through Friday to answer questions regarding physiology,
programming, facilitation, best practices, and more.

TAILORED SOLUTIONS /
AEC Healthcare offers customized professional services and consultation on a variety of simulation-based topics:
• Simulation center design/start-up
• Curriculum integration
• Program infrastructure
• Faculty development
• Debriefing
• Short-term staffing needs
• Customized development of Simulated Clinical
• Experiences (SCEs)
• Sustainability
• Training Needs Analysis (TNA)
• Accreditation support
The bottom line:
CAE simulators save lives.

CAE Healthcare is proud to be your training partner of choice in providing realistic, state-of-the-art training tools, consultation, support and turnkey solutions that produce top medical professionals who are more prepared than ever to meet the life and death challenges of their jobs. Better tools.

CAE Healthcare offers simulation-based patient, imaging, interventional and learning solutions to improve patient safety and outcomes. Our leading-edge products and learning modules provide risk-free practice and professional development to physicians, nurses, EMS responders, military medics, students and allied health professionals around the world.

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