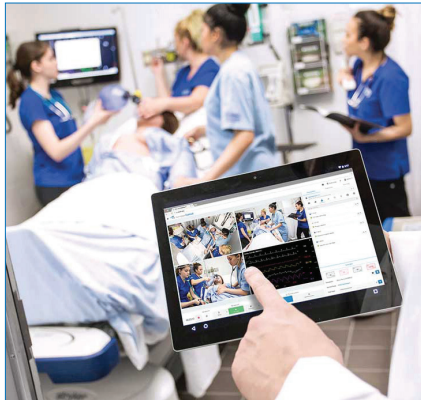




CAE Healthcare

Making  
Healthcare Safer

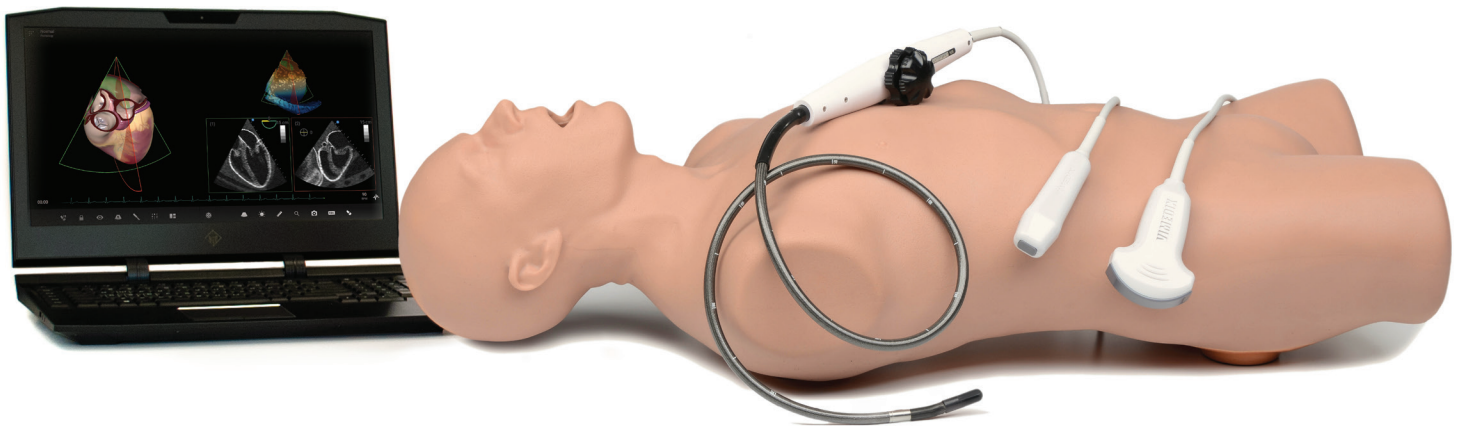


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# CAEVimedix

The most  
comprehensive  
ultrasound  
simulator



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, diagnosis and clinical decision-making.

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# Features



## Common Platform

Toggle between cardiac, pulmonary, abdominal and Ob/Gyn modalities with ease for a comprehensive and seamless ultrasound learning experience.



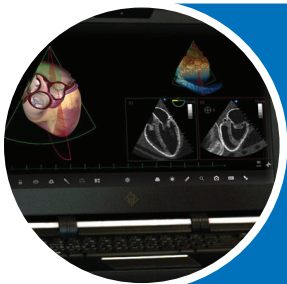
## Self-Directed Content

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.



## Augmented Reality

Through immersive training with the Microsoft HoloLens2, CAE Vimedix leaps to life with CAE VimedixAR to accelerate learning and retention of ultrasound scanning, imaging and diagnosis.

For more information, please visit [caehealthcare.com/products](https://caehealthcare.com/products)

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## CAE Blue Phantom

Realistic and Durable  
Ultrasound Training  
Models

CAE Blue Phantom is the world leader in ultrasound training models with over 175 products. The Blue Phantom product portfolio contains low, mid, and high-fidelity task trainers covering a variety of specialties including but not limited to: Anesthesia, Cardiology, Emergency Medicine, Pediatrics, Pulmonology, and Obstetrics and Gynecology. Designed and fabricated with our patented technology, ultrasound-guided procedural training has never felt so realistic.

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# 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.



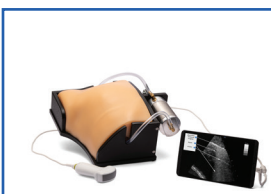
## Durability

Due to the self-healing properties of our Simulex™ tissue, each Blue Phantom model guarantees at least one thousand simulation attempts, backed by a one-year warranty.



## Compatibility

CAE Blue Phantom products can be used with any ultrasound system capable of imaging the human tissue.



COVID 19 Ultrasound Lung Simulator



Regional Anesthesia and Ultrasound Central Line Training Model



FAST Exam Real Time Ultrasound Training Model



Regional Anesthesia Ultrasound Training Block Model

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CAE Blue Phantom model supports up to 25,000 attempts at simulated vascular access

**>> Read our independent durability study <<**

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## Training Smarter with Mixed Reality Solutions

CAE Healthcare integrates the advanced holographic technology of Microsoft's HoloLens 2 into our vast portfolio of training solutions to enhance healthcare learning with intelligent and intuitive interactivity.

Through the mixed reality environment, users can easily visualize, manipulate, elevate, and walk around dynamic holograms to obtain a deeper understanding of physiology and anatomical interrelatedness.

This accelerates learning, improves retention and helps to make healthcare safer.



# Take your training programs to the next level with CAE Healthcare's suite of mixed reality training solutions powered by Microsoft HoloLens 2

CAE Healthcare offers the only suite of augmented reality training solutions for healthcare, ranging from emergency care and ultrasonography, to child-birthing procedures.



**CAE AresAR:** Accelerate the learning experience in emergency care training with AresAR, a pre-briefing tool that offers training in ALS, ACLS and six frequently encountered emergency scenarios - Sepsis, Ischemic CVA, Myocardial Infarction, Pulmonary Embolism, Tension Pneumothorax, Closed Head Injury.



**CAE VimedixAR:** Intuitively develop mastery of psychomotor skills and safely manage cardiac, pulmonary, abdominal and Ob/Gyn ultrasonography with VimedixAR, providing immersive training in ultrasound scanning, imaging and diagnosis with interactive holograms that improve knowledge in how the ultrasound beam cuts through anatomy.



**CAE LucinaAR:** Offering real-time, interactive 3-D holograms of anatomy, LucinaAR prepares clinical teams to safely manage a range of delivery scenarios, including normal birth, breech, shoulder dystocia, instrumental interventions, and postpartum hemorrhage.



**Industry Solutions:** Leveraging a diverse portfolio of simulators, a superior physiology engine, and pioneering innovations, CAE Healthcare collaborates with global healthcare companies and societies to develop state-of-the-art custom training solutions for their product and service offerings. Together, we create ground-breaking solutions to make healthcare safer and improve patient outcomes, from diagnosis and treatment, through recovery.



CAELearningSpace

A comprehensive  
solution for  
simulation education  
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.

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# Features



## Center Management

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



## Distance Learning capabilities

Manage the virtual delivery of your simulation training – Standardized Patient/OSCE encounters, telehealth training, manikin-based sessions, lectures and presentations – all on one platform.



## Standardized Patient Management

Robust set of tools to manage Standardized Patient's availability, scheduling, training, performance assessment, and inter-rater reliability.



## Scenario Authoring

Scenario Authoring and Simulator Control provides all the tools you need to build and design your Simulated Clinical Experience (SCE) for curriculum alignment.



## Record & Debrief

Capture HD recording in real-time, allowing facilitators to debrief anywhere to improve technical and non-technical skills and facilitate self-reflection.

For more information, please visit [caehealthcare.com/products](https://caehealthcare.com/products)

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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 the care of infants safer.

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# 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 CO<sub>2</sub> return, thereby providing realistic feedback on learner performance.

For more information, please visit [caehealthcare.com/products](https://caehealthcare.com/products)

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