

Press release | December 17, 2025

Dräger and VirtualiSurg's SimLabsXR Set to Revolutionize Global ICU Training with Immersive VR Simulation

An Immersive VR Breakthrough Delivering Scalable, High-Impact ICU Training for Critical Care Teams Worldwide

Paris, France - December 2025 - In response to the urgent global challenge of sepsis – a leading cause of death worldwide responsible for 11 million deaths annually and affecting an estimated 49 million people each year – VirtualiSurg and Dräger are preparing SimLabsXR for its international launch. This next-generation VR simulator offers multidisciplinary healthcare teams an unprecedented platform for hands-on, team-based training in intensive care.

Sepsis arises from a dysregulated host response to infection, leading to organ failure and death. Effective intervention requires speed, teamwork, and precise clinical judgment, yet traditional simulation training remains scarce, costly, and logistically limited. SimLabsXR addresses these challenges by creating a dynamic, multi-user VR environment that accurately models critical care physiology and hospital pressures, delivering realistic patient scenarios without the cost or constraints of conventional mannequins.

Built on a clinically validated physiology model, the platform reacts in real time to user decisions, allowing teams to practice triage, emergency response, and collaboration in a safe, immersive setting. Mentors can adapt scenario progression, observe remotely, and conduct debriefings, ensuring deep reflection and enhanced skill retention. Its modular design and continuous updates mean the simulator evolves alongside clinical practice and can scale to diverse educational and hospital settings worldwide.

"SimLabsXR represents a breakthrough in critical care education," said Seana Martin, Executive Vice President at VirtualiSurg. "By recreating the pressure and unpredictability of the ICU in a virtual environment, we allow clinicians to practice high-stakes decision-making safely and repeatedly, before they even step into the hospital."

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Already implemented in 5 countries, the simulator is transforming training by combining technical, relational, and emotional learning. Post-session surveys indicate strong learner engagement and high educational value, confirming the platform's ability to democratize access to vital ICU training globally. "Healthcare demands speed, clarity, and teamwork. SimLabsXR empowers teams to respond effectively to sepsis and other critical conditions, ensuring clinicians are prepared for the real-world pressures of patient care," added Mrs. Martin.

SimLabsXR is poised to reshape Critical Care education worldwide, offering a flexible, cost-effective, and immersive approach to lifesaving clinical training that complements and, in some cases, replaces traditional simulation methods.

Image material



Dräger Virtuo SimLabsXR simulation of adult in sepsis in the ICU



Dräger Virtuo SimLabsXR simulation of adult undergoing anesthesia in the OR

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Dräger. Technology for Life.

Dräger is a leading international medical and safety technology company. Our products protect, support and save lives. Founded in Lübeck, Germany in 1889, Dräger generated global sales of around EUR 3 billion in 2022. The Lübeck-based company is represented in more than 190 countries and employs more than 14,000 people worldwide. For more information, visit www.draeger.com

VirtualiSurg

Founded in Paris, France in 2017, VirtualiSurg is a world leader in the development of immersive simulations dedicated to medical and surgical training. Their mission is to improve patient outcomes by redefining knowledge-sharing and technical mastery on a global scale. The company has international operations in Paris, Montreal, Sao Paulo, Singapore and Tokyo. For more information, visit www.virtualisurg.com

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