

Healthcare Innovation- APEX EMS Academy Launches Immersive Sim Lab in SoCal

Announcing the Immersive Simulation Lab Experience to Enhance EMS Education

NORTH HOLLYWOOD, CA, UNITED STATES, September 2, 2025 /EINPresswire.com/ -- LifeLine EMS is proud to announce the opening of the Immersive Simulation Lab in collaboration with the

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Danielle Thomas

newly established APEX EMS Academy, an advanced training facility dedicated to elevating Emergency Medical Education. This Simulation Lab represents a major advancement in Southern California, preparing today's EMS providers for the realities of patient care and transport by integrating industry-leading technology from

Echo Healthcare's Immersive Interactive platform, iSimulate's REALITi 360, and high-fidelity solutions from 3B Scientific and Lifecast Body Simulation.

The Immersive Interactive environment, powered by Echo Healthcare, transforms classrooms into multisensory, interactive spaces. Unlike traditional VR headsets, the system surrounds learners with life-like scenarios that engage multiple senses, including sight, sound, touch, vibration, and even smell. With a robust library of cases and the ability to create custom content, instructors can replicate everything from high-acuity medical emergencies to community health encounters. Controlled via an intuitive tablet, the platform enables real-time scenario adjustments, multi-room training, and dynamic team-based exercises that mirror the intensity of real-world emergencies.

Complementing this environment, APEX EMS Academy incorporates iSimulate's REALITi 360, a mobile simulation ecosystem that replicates the look, sound, and function of real patient monitors, defibrillators, and clinical devices. With features such as CPR feedback, integrated video, advanced charting, and remote access, REALITi 360 enhances realism and reinforces decision-making in a safe learning space. When paired with high-fidelity manikins from 3B Scientific and hyper-realistic Lifecast Body Simulation models, learners gain hands-on practice with critical skills such as airway management, CPR, ventilation, ECG interpretation, and IV/IO access. Together, these technologies create a complete ecosystem for experiential learning, ensuring providers develop both technical expertise and cognitive readiness in high-pressure environments.

Simulation-based education is widely recognized as one of the most effective ways to prepare

confident, competent EMS providers. At APEX EMS Academy, structured scenarios will reflect the challenges of real-world calls, from chaotic patient assessments to advanced interventions during critical care transports. Each exercise is followed by structured debriefing, allowing learners to reflect, analyze, and apply lessons that drive skill mastery, teamwork, and long-term retention.

The APEX Immersive Simulation Lab is also designed to benefit the broader community. LifeLine EMS will partner with schools and nonprofit organizations to adapt the space for youth programs and community education. Students from elementary through middle school will have opportunities to explore science and health topics interactively, whether learning about marine life or engaging in STEM-based activities that inspire curiosity and future career interests.

“EMS Simulation done well is a game changer,” said Danielle Thomas, Chief Operating Officer of LifeLine EMS. “The outcomes depend on how scenarios are designed, executed, and debriefed, and now we have the tools to deliver that excellence. This lab allows us to take education to the next level, ensuring our providers, students, and community members learn in the most realistic and impactful way possible.”

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