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Maverick Simulation Solutions launches ‘SIDDH’, India’s advanced high-fidelity critical care adult patient simulator

18 February 2026 | News

SIDDH integrates advanced lung simulation, AI-powered ultrasound, and real-time clinical feedback

Maverick Simulation Solutions, a leading manufacturer of advanced medical simulators, launched SIDDH at their corporate office in Dwarka, New Delhi. Developed and manufactured in India, SIDDH is a next-generation high-fidelity critical care adult patient simulator created to transform hands-on clinical training across medical colleges, teaching hospitals, and healthcare institutions.

As a life-size, 65 kg full-body adult simulator, SIDDH is engineered to replicate real-world critical care scenarios with physiological accuracy.

By integrating advanced lung simulation technology, AI-powered ultrasound capabilities, and real-time physiological response systems, SIDDH delivers a safe, immersive, and clinically realistic training environment. It enables doctors, nurses, paramedics, and medical students to practise complex procedures, manage emergencies, and make critical decisions with confidence before stepping into real patient settings.

Speaking on the launch, Anuj Chahal, Founder of Maverick Simulation Solutions, said, “The global medical simulation industry is witnessing rapid growth as healthcare systems increasingly recognise the importance of safe, technology-driven training. In India, this need is even more urgent as the number of medical colleges and healthcare institutions continues to expand. However, access to high-fidelity simulators has traditionally depended on expensive imports. With SIDDH, we are proud to introduce a truly Make in India solution that matches global standards while being designed specifically for Indian healthcare realities.”

SIDDH enables training across a wide range of critical care scenarios, including cardiac emergencies, respiratory distress, trauma, and complex airway management. It features realistic anatomy, advanced lung simulation, and real-time arterial blood gas feedback that dynamically responds to learner interventions.

The platform also integrates an AI-powered ultrasound module with over 1,000 clinical cases, precise probe tracking, intelligent scoring, and adaptive guidance. Optional modules support communication training, structured assessments, team-based simulations, and cloud-based performance analytics for institutions.