We chose EMS in part because of the ability to automate things like self-scheduling and their inventory feature, so we can spend more time teaching. Also, EMS has a great reputation for customer support.

— Sara Manning, MS, RN, CHSE
Simulation Coordinator, School of Health Professions, Utica College
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Education Management Solutions (EMS) is an industry leader in simulation-based solutions for healthcare training environments – ranging from clinical simulation management software and hardware to counselor education and case authoring and learner-based training tools. Working alongside subject matter experts, we serve as the driving force behind numerous consumer-centered innovations that continue to move the clinical simulation market forward with breakthrough technologies.

We understand that clinical simulation is no longer a nice-to-have, but rather a learning necessity – and without the proper tools it can be overwhelming to manage. Our SIMULATIONIQ Enterprise solution is the only clinical simulation management operating platform that delivers unmatched performance for standardized patient- and mannequin-based training, and brings all the programs, people, and processes into a single, simplified view that saves time, improves clinical outcomes, and provides peace of mind.

When we use the phrase industry leader, we mean it. Operating out of our world headquarters in Exton, Pennsylvania, we were founded in 1994 and boast over 20 years of experience providing state-of-the-art technology for clinical education and training environments.

As we continue to expand our product offering to meet the evolving needs of our customers, we’re experiencing unprecedented success. We’re turning heads both within the industry and in the mainstream business community. We’ve been named to the Inc. 5000 list of the fastest-growing private companies in the USA, and garnered accolades on Deloitte Technology’s Fast 50 and Fast 500 lists as a leading technology company in Greater Philadelphia and North America respectively, as well as one of the Top 100 companies in the Philadelphia-New Jersey-Delaware region.

**KEY ACHIEVEMENTS**

- **Inc. 5000** — recognized as one of the fastest-growing private companies in the USA.
- **Deloitte Technology Fast 500** — recognized as one of the fastest-growing technology companies in North America.
- **Deloitte Technology Fast 50** — recognized as one of the fastest-growing technology companies in Greater Philadelphia.
- **Philadelphia 100** — recognized as one of the fastest-growing companies in the Philadelphia, New Jersey, and Delaware region.

**LEADERSHIP**

- **First** to design and market clinical skills training and assessment software.
- **First** to provide an integrated digital audio and video system for clinical skills training and assessment.
- **First** to provide streaming of simulation-related video and checklists on multi-platform mobile devices.
An unparalleled number of innovations make our software the benchmark by which all others are judged. The SIMULATIONiQ solution is the preferred choice for a growing international community of clinical simulation management customers, including Centra Health, The National Board of Osteopathic Medical Examiners, University of Hawaii, Samuel Merritt University, Loyola University, and the University of South Florida CAMLS.

SIMULATIONiQ™

As a leader of simulation-based solutions for healthcare training environments, EMS brings you SIMULATIONIQ. Whether you’re running a single simulation event, or thousands, SIMULATIONIQ uses the latest web-based technologies to simply and seamlessly capture, organize and analyze the full spectrum of your simulation efforts.

- Visibility
- Usability
- Marketability
- Adaptability
- Scalability
- Measurement
- ROI

THE RESULTS ARE TANGIBLE. EXPERIENCE GREATER:

Calendar & scheduling
- Enhanced navigation
- Advanced search
- Expanded integration
- Automated tools
- Scenario development
- Checklist generation
- Automated paging (optional)
- Mobile device integration
- Student / faculty portfolio

Individual / team evaluation
- Scoring, reports & statistics
- Outcome benchmarking
- Simulation assessment
- Video bookmarking & debriefing
- QA analysis
- SP case training
- Survey analysis
- Electronic Health Record

A-V (analog, HD & IP)
- Notes / paper documents
- Individual / team performance
- Inventory & usage
- Simulation log files
- Multi-format simulation
- Mannequin’s vital signs
- Diverse mannequin integration
- Video streaming & storing
- Live data transmitter / receiver

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EMS’s clinical simulation management solution adds a new dimension to our teaching, not only because it allows us to promote reflective learning, but also because it will help us link our assessment methods to the actual learning experiences of the students.

Celeste Villanueva, EdD, CRNA, FNAP
Assistant Academic Vice President
Director, Health Sciences Simulation Center
Samuel Merritt University
SIMULATIONIQ Enterprise is a robust simulation management and audio-video solution that expedites the management of your clinical simulation center by integrating all the data - offering a smarter simulation experience resulting in better outcomes.

SIMULATIONIQ ENTERPRISE ENABLES

• Distributed enterprise network - links various simulation resources together by a central command center.
• Internet Protocol (IP) and High Definition (HD) audio-video capture.
• Video bookmarking for debriefing and research.
• Immediate playback of video.
• Live or recorded video viewing from one or more rooms.
• Multiple simulator integration and capture of vital signs and events.
• Checklist creation, scoring, and statistical report generation.
• Automatic scheduling of rooms, participants, and simulators.
• An integrated calendar showing both SP and simulation events.
• Automatic paging announcements (optional).
• Scenario session creation and management.
• Student portfolio development to manage schedules, calendars, and activities.
• Simulated EHR (optional).

BENEFITS

• Helps learners practice patient interaction.
• Assists learners in attaining diagnostic and procedural competence to improve patient care.
• Helps refine communication skills.
• Facilitates confidence development for lifesaving decision-making.
• Helps reduce rates of error and adverse events.
• Raises the bar in medical, nursing, and allied health professions education.
• Allows participants to track their progress and completion of the cases and scenarios assigned to a course.
• Supports Interprofessional simulation training.
Maximize the return on investment (ROI) of your simulation center with EMS’ suite of innovative companion apps.

The companion apps integrate with iOS and Android devices to deliver mobility and enhance your key workflows.

Fundamentally, EMS has integrity...is innovative...and most importantly, EMS is very collaborative, and works with our team in a seamless manner.

Dale Berg, MD
Professor of Medicine
Co-Director of the Rector Clinical Skills and Simulation Center
Thomas Jefferson University
SimCheckIN™
Tablet-based participant check-in system that enables fast and efficient session/event check-in and flexible data collection, reporting, and analysis.

DashboardKPI™
Review comprehensive KPIs (key performance indicators), monitor trends, and generate a variety of charts on simulation activities.

VideoCAPTURE™
Record, play back, bookmark, and annotate videos on a mobile device, then automatically upload to SIMULATIONIQ Enterprise for video management within cases, scenarios, and sessions.

SimINVENTORY™
Simply and easily manage simulation center inventory from the palm of your hand.

SimBROWSER™
Web based application to view live and recorded videos via a computer, tablet, or hand-held device, from any or all of the following solutions within your institution:

- SIMULATIONIQ Portable
- SIMULATIONIQ Mobile
- SIMULATIONIQ One Room
FULLY INTEGRATED STANDARDIZED PATIENT & SIMULATION CENTER

CLINICAL EXAM ROOM

CONTROL STATION

POST-ENCOUNTER SOAP NOTE STATIONS
SIMULATIONiQ™ One Room is a powerful recording and debriefing solution for clinical simulation management in one-room environments.

With SIMULATIONiQ One Room you have the ability to access the features of an Enterprise solution: SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise installed at your location. SIMULATIONiQ One Room supports both standardized patient and high-fidelity simulator-based medical simulation and nursing simulation training programs.

**SIMULATIONiQ ONE ROOM ENABLES**

- Audio and video capture
- Immediate debriefing after recording
- Bookmarking and annotation on live recording or during playback
- Integration with supported mannequins
- Integration with SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise installed at your location
- Up to 100 hours of video storage (250GB)

- Video and data export to an external hard drive or USB drive
- Additional Storage (add-on)
- Paging announcement package (optional)
- SimBROWSER™: Secure, permission-based web application to view your live and recorded videos from a computer, tablet or hand held device

EMS really puts a concerted effort into making sure that the customer is satisfied with the product...I would most definitely go with EMS again.

Heather O’Quinn, MSN, RN
Southside Virginia Community College
SIMULATIONiQ ONE ROOM
STANDARD OUT-OF-THE-BOX COMPONENTS

• One touch-enabled all-in-one computer
• Pre-installed software to manage and record 2 camera views
• 2 PTZ cameras installed
• 2 wall microphones
• Cables and accessories
• Instructional guide

SIMULATION ROOM

CONTROL ROOM

MANNEQUIN

HD Camera 1

HD Camera 2

Mic 1

Mic 2

Mannequin’s Vital Signs Monitor

All In One Computer
SIMULATIONiQ Portable™ is a powerful data capture and debrief solution that enables high-fidelity data collection and performance evaluation for on-the-go training environments.

SIMULATIONiQ Portable is equipped with a one touch-enabled laptop and two wireless PTZ cameras on wheels, and is used for in-situ medical simulation and nursing simulation training environments. It can be used as a standalone unit or networked with the SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise installed at your location.

**SIMULATIONiQ PORTABLE ENABLES**

- Audio and video capture
- Immediate debriefing after recording
- Bookmarking and annotation on live recording or during playback
- Integration with supported mannequins
- Integration with SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise installed at your location
- Video and data export to an external hard drive or USB drive
- Up to 100 hours of video storage (250GB)
- Multi-room viewing with SimBROWSER™, a secure, permission-based web application to view your live and recorded videos from a computer, tablet or hand held device connected to your institution’s network.

**SIMULATIONiQ PORTABLE STANDARD OUT-OF-THE-BOX COMPONENTS**

- One touch-enabled Windows 8 laptop
- 2 Wireless PTZ cameras
- 2 Camera tripods
- 2 Omnidirectional microphones
- Cables and accessories
- Instructional guide
- Backpack

Laptop table not included

Backpack for laptop and cables
SIMULATIONiQ™ Mobile enables cloud or on-site integration with a fully functional simulation management platform (SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise). SIMULATIONiQ Mobile recorded videos can be automatically uploaded to SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise, which provides case/scenario management, session scheduling, EHR, statistical data analysis, inventory management, and more.

SIMULATIONiQ MOBILE IS AVAILABLE IN 2 VARIATIONS WITH AN ADD-ON FOR MULTI-ROOM VIEWING

SIMULATIONiQ Mobile: A complete standalone video capture-to-debrief solution.

- Capture audio & video, and immediately debrief after recording
- Bookmark and annotate live recording or during playback
- Export video and data to a thumb drive
- Store up to 200 hours of video (250GB storage)
- Ability to integrate with SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise installed at your location

SIMULATIONiQ Mobile V: A complete standalone video capture-to-debrief solution with simulator integration.

- All SIMULATIONiQ Mobile features plus integration with supported simulators
- Capture simulator’s vital signs and events in real time
- Ability to integrate with SIMULATIONiQ Enterprise Cloud or SIMULATIONiQ Enterprise installed at your location
- Multi-room viewing with SimBROWSER™, a secure, permission-based web application to view your live and recorded videos from a computer, tablet or hand held device connected to your institution’s network

SIMULATIONiQ MOBILE STANDARD OUT-OF-THE-CASE COMPONENTS

- One touch-enabled Windows 8 laptop
- Two High Definition 720 pixel cameras with built-in microphone and power supply
- 2 battery packs
- Cables and accessories
- Two flexible portable tripods
- Carrying case (21” X 15” X 8”)
- Instructional guide
- Optional backpack

SIMULATIONiQ Mobile requires no installation. All components are contained in an easy pack ‘n go custom carrying case with optional backpack.
What is SIMULATIONIQ™ IPE and how can it meet your needs?
SIMULATIONIQ IPE is a standalone, web-based, virtual patient, Interprofessional team training platform that replicates different disciplines working together on a common case/scenario or case series. It can be accessed from anywhere, anytime, and on any mobile device connected to the internet. Learners can practice synchronously or asynchronously. SIMULATIONIQ IPE can be used to augment your site-based IPE program.
SIMULATIONIQ IPE saves time, lowers cost, allows collaboration across distances, enables learners to practice together frequently, helps with accreditation requirements, streamlines scheduling, and much more.

**SIMULATIONIQ IPE ENABLES**

- Engagement with learners from anywhere, anytime, and on any mobile device
- Live communication via video conference, chat, and discussion forum
- Learning objectives linked to IPE competencies
- Evaluation of learner performance and reporting options
- Creation of individual cases and case series
- Creation of assignments and team assignments
- Synchronous and asynchronous practice

With EMS’ innovative technology, learners develop the skills and confidence they need to effectively avoid miscommunication and misdiagnosis, and enhance coordination of care. **SIMULATIONIQ IPE** — the key to lowering medical errors.
**SIMULATIONiQ Counseling** brings together all of your counseling program’s data and systems into a single, simplified view that saves time, improves clinical outcomes and delivers peace of mind. It uses the latest technologies to **capture, organize, and analyze** the full spectrum of your counselor training efforts. SIMULATIONiQ Counseling is a fully integrated, audio-video enabled counselor education solution. SIMULATIONiQ Counseling provides secure data management and skill assessment tools, enabling learners and supervisors to efficiently access key data points and maximize educational benefits.

**SIMULATIONiQ COUNSELING ENABLES**

- Audio-video session recording that’s safe and secure with full encryption from start to end.
- Management and tracking of client data including treatment plan, progress notes, and visitation history.
- Ability to map organizational or CACREP standards to checklists and graded feedback.
- Scheduling, tracking, or appointments.
- Bookmarking and annotation on live or recorded session videos.
- Standardized reports based on individual and group performance.
- Evaluation of counselors’ performance via faculty, peers, and self-evaluation checklists.

**BENEFITS**

- Tracks student learning outcomes electronically.
- Offers flexible electronic scoring of rubrics and checklists.
- Generates student learning data for systematic program evaluation.
- Ties classroom activities, video sessions, and more to CACREP standards.
- Presents a “comprehensive assessment plan” in compliance with CACREP standards.
- Creates snapshots or benchmarks of learners’ work.
CUSTOMER SUPPORT

• PROJECT MANAGEMENT
EMS project managers “own” each project completely, from the receipt of a purchase order to the completion of the project. EMS works closely with the customer to ensure that all expectations are met. EMS can also effectively coordinate with multiple vendors and departments to ensure timely completion of projects.

• ENGINEERING
Most simulation centers require custom configuration and design services. EMS engineers work closely with customers to ensure that the entire solution meets the customer’s needs and budget.

• INSTALLATION
EMS works with customers to ensure timely and complete installation of its products. Even when EMS uses a customer’s preferred sub-contractors, EMS takes full responsibility for the project when EMS is the prime contractor.

• ENHANCEMENTS
EMS provides billable services to customers who may need to conduct certain tasks in their environment but may not have the scope or resources to complete them in-house. An EMS sales manager can discuss these and other unique needs.
EMS’ Education Services team provides training and customer support for simulation and standardized patient environments. The team manages planned education and coaching activities at customer sites and the EMS Institute in Exton, PA, conducts training webinars, and provides exemplary customer support.

- **TRAINING**
  The EMS training team offers best-in-class learner experiences through interactive on-site training sessions and routine webinars for continuing education. Training is customized to meet the unique needs of your institution.

- **TOTALCAREIQ**
  EMS support is the best in the industry. The total solution purchased from EMS is fully supported, including software and hardware. No more dealing with multiple vendors to resolve problems or obtain service for defective hardware. Users can contact EMS by phone, e-mail, and through its portal on the web.

- **PUBLIC WEBINARS**
  The team moderates a monthly educational webinar series. Experts in the field of medical simulation, healthcare, education and counseling share their expertise to provide world class presentations attended by educators from around the globe.
PROFESSIONAL SERVICES

Our years of experience and technological leadership enable us to deliver our cost-effective White Glove Service that allows your center to operate at maximum efficiency, so that instructors can focus on what they do best: educate.

White Glove Service

EMS works with customers to help define their simulation centers—the physical space, rooms, and functionality they’ll need to provide simulation sessions.

SimCrew™

Staffing crises can come without warning. And sometimes you just need some extra support. SimCrew™ is here to help! Allow EMS to utilize our years of experience and technological leadership to deliver SMEs to cost-effectively manage your clinical simulation center without interruption to your ongoing program. We’re there when you need us with:

• Experienced Simulation Technicians
• Certified Instructors and Education Facilitators
• Daily or weekly staffing support

JumpStart!

With JumpStart!, you’re one step ahead and always simulation-ready. Allow us to be your go-to source for simulation-related program planning, consulting, operational management, curriculum and engineering design, and implementation.

WORKFLOW ARCHITECTURE:

• Analysis of simulation curriculum against training objectives and national standards
• Workflow recommendations to increase outcomes and analyze metrics

CURRICULUM DEVELOPMENT:

• Blended learning? Adding simulation? No problem!
• Simulation scenario sessions to augment online or traditional courses

TURNKEY IMPLEMENTATION:

• Configuration and data input of scenarios, cases, learners, SPs, and instructor databases
• Scenario session set-up
• Creation and automation of reports and inventory management

Innovation of Things™

To be competitive in the new healthcare economy, customers turn to EMS’ expertise for product development partnerships and innovative custom application development.
SIMULATIONiQ solutions fully integrate with skills evaluation software and audio-video systems and support multiple training environments. SIMULATIONiQ offers modular out-of-the-box and enterprise-wide tailored solutions for every training program and budget. Contact us today to learn more.
SMARTER SIMULATION.
BETTER OUTCOMES.