



Knowledge-based company

Aras mixed reality

Interactive Immersive Simulators by XR & AI

Registration number: 6599

For more information, scan

the code below.



+984135251221

info@mr-vr.ir

www.mr-vr.ir

mr-vr.ir

MEDICAL EQUIPMENT DEVELOPMENT CENTER,
HEALTH SCIENCE AND TECHNOLOGY PARK, TABRIZ, IRAN

About us

Aras Mixed Reality is a knowledge-based company located in the Health Science and Technology Park of Tabriz University of Medical Sciences and develops various training and operational simulators. Aras draws on the knowledge of various experts in the fields of medicine and technology, including physicians, electrical and control engineers, software and hardware engineers, educational technologists, graphic, animation, and game designers. Aras utilizes various technologies, such as mixed reality, artificial intelligence, image processing, and robotics, to provide a new experience of extended reality by pushing the boundaries of knowledge.



XR learners are...



4X

More focused than their E-Learning peers



3.7%

Emotionally connected than classroom learners



275%

More confident to apply skills learned after training

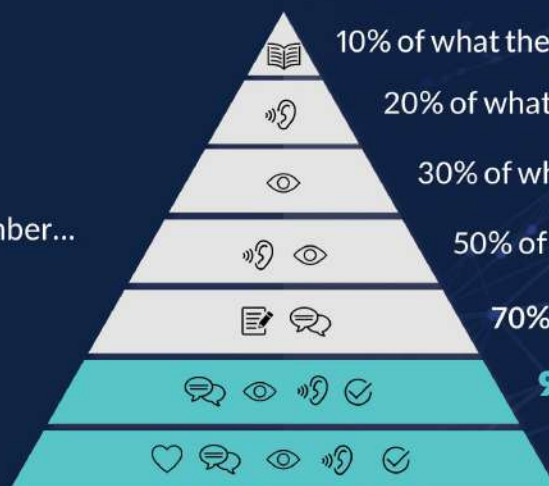


4X

Faster to train than in the classroom



Human beings remember...



10% of what they read

20% of what they hear

30% of what they see

50% of what they see and hear

70% of what they say and write

90% of what they do

95% of what they do and feel



Technology



Extended
reality
(VR+AR+MR)



Robotic



Image
Processing



Artificial
intelligence





Our simulator features

- AI-powered personalization
- Use of XR (VR, AR, and MR) technology
- Visually attractive environment
- Intelligent and fully interactive self-training environment
- Three educational, training, and testing environments
- Reconstruction of environmental stresses and emotions
- different environments with corresponding stresses 9
- Personalization and definition of different scenarios
- Matching the virtual model and the physical model
- Recognition of hand movements, and tracking fingers with 1 cm accuracy
- Ability to interact intelligently with different parts of the patient

Validation

- Approval of the simulation committee of the Ministries of Health
- Knowledge-based approval from the Presidential Vice President for Science and Technology
- Patent approval in 197 countries
- Pre-hospital emergency confirmation
- Red Crescent approval
- Approval of training, research, and clinical skills assessment centers (Skill-lab)
- Approval of University of Medical Sciences
- Approval of medical, nursing and paramedical faculties

AHA 2020

The entire lifecycle of our products, including design, development, production, and after-sales service across mechanical, electrical, and software aspects, comply with ISO 9001, ISO 13485, ISO 14971, F2901, IEC 60601 (certificates taken), and ISO 62366, ISO 15223, ISO 9241, ISO 780, IEC 62304, IEC 60950, IEC 60529, IEC 60878, and IEC 60068 (certificates pending).





Our simulator package includes

- 1-year warranty
- 5-years after-sales service
- A VR-supported computer device
- Virtual reality glasses
- Simulator engine
- Tracker
- Mannequin
- Microprocessor

Aras Mixed reality's product package

- Adult cardiopulmonary resuscitation simulator
- Pregnant mother cardiopulmonary resuscitation simulator
- Baby cardiopulmonary resuscitation simulator
- Child cardiopulmonary resuscitation simulator
- Drowning cardiopulmonary resuscitation simulator
- Trauma cardiopulmonary resuscitation simulator
- Electrocuted person cardiopulmonary resuscitation simulator
- Advanced cardiac life support simulator
- Accident scene management simulator
- Birth process management simulator (vaginal delivery, cesarean delivery, breech birth, shoulder dystocia, pain management, postpartum hemorrhage, dilation, and curettage)
- Health simulator of a pregnant mother, fetus, and baby
- Airway management simulator
- Patient examination simulator

