

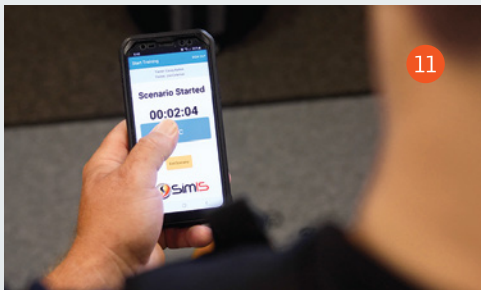
ADRT

Autonomous De-escalation Robotic Trainer

SimIS Autonomous De-Escalation Robotic Trainer (ADRT) encompasses a hybrid training design using human-like robots as the basis for mimicking real-life scenarios which our law enforcement police and officers face.

The goal of ADRT is to provide an interactive training experience which previously has only been accomplished with human actors, while exceeding the capabilities of pre-programmed videos which limit conversation, an essential element of de-escalation. ADRT accomplishes this training by having participants interact directly with the robotic trainers.

Through artificial intelligence, machine learning, and implementing known behaviors associated with real-life scenarios, ADRT utilizes sensors which allow complete interaction with the trainee including dialogue, body language, and physical movements. ADRT scenarios are updated to meet the ever-changing needs of law enforcement and our community.



- 01 Realistic mannequin is interchangeable with different genders and clothing
- 02 Integrated display for face rendering, expressions, and lipsync
- 03 Integrated speakers to simulate speech
- 04 Microphone & dialogue system for carrying on conversations with trainee
- 05 Internal sensors determine when pushed
- 06 Mechanical arms with various poses
- 07 State-of-the-art robotic software controls motion, Artificial Intelligence generates human-like behaviors
- 08 Integrated batteries and charging port for 4-hour runtime
- 09 Caster wheel design for moving indoors
- 10 Robotic sensors for advanced movement
- 11 Mobile App to run scenarios and for remote control and feedback

