

Tactical Operation Medical Manikin

TOMManikin



Photo courtesy of SCANG



NORTH AMERICAN RESCUE

Simulation

Reducing Battlefield Mortality Through Innovative Learning



Photos courtesy of South Carolina Army National Guard

North American Rescue Simulation

Executive Summary

1. The NARS executive team has more than 80 years of combined military medical experience.
2. We lead the simulation industry with innovative products that compliment field medical experiential learning.
3. Knowledge gained outside the wire = product development designed by warfighters, for warfighters.
4. We believe reducing mortality begins in the classroom coupled with realistic, believable field training.
5. “Fight as you train” is measured by lives saved.
6. To date, NARS has sold more than 1,000 TOMManikins (75%+ to DoD agencies)

North American Rescue Simulations

Headquarters LaGrange, Kentucky



CORE COMPETENCIES

- Innovative Product Design and Manufacturing
- Specializing in Combat Medical and SOF Rescue Mission Recreation
- Nimble manufacturing to accommodate customer requirements
- Buy America, Fair Trade/Berry Amendment Compliance
- Sustained Relationship Management

Noteworthy Customers



Bridging the Clinical Gap



“The fate of the wounded rests in hands of those who apply the first dressing.”

-Colonel Nicholas Senn, 1898

TOMManikin



Blast face pictured

Setting the standard for realism, durability, and ruggedization since 2008.

Engineered for Field Training!

All TOMManikins are IP68-rated = TOMM is protected from total dust ingress and long-term immersion up to a specified pressure.

TOMM has an operating temperature range of 14°F – 158°F and can be stored in temperatures of -40°F – 185°F.

New GEN 5 Control Boxes – In Production 2020



Features:

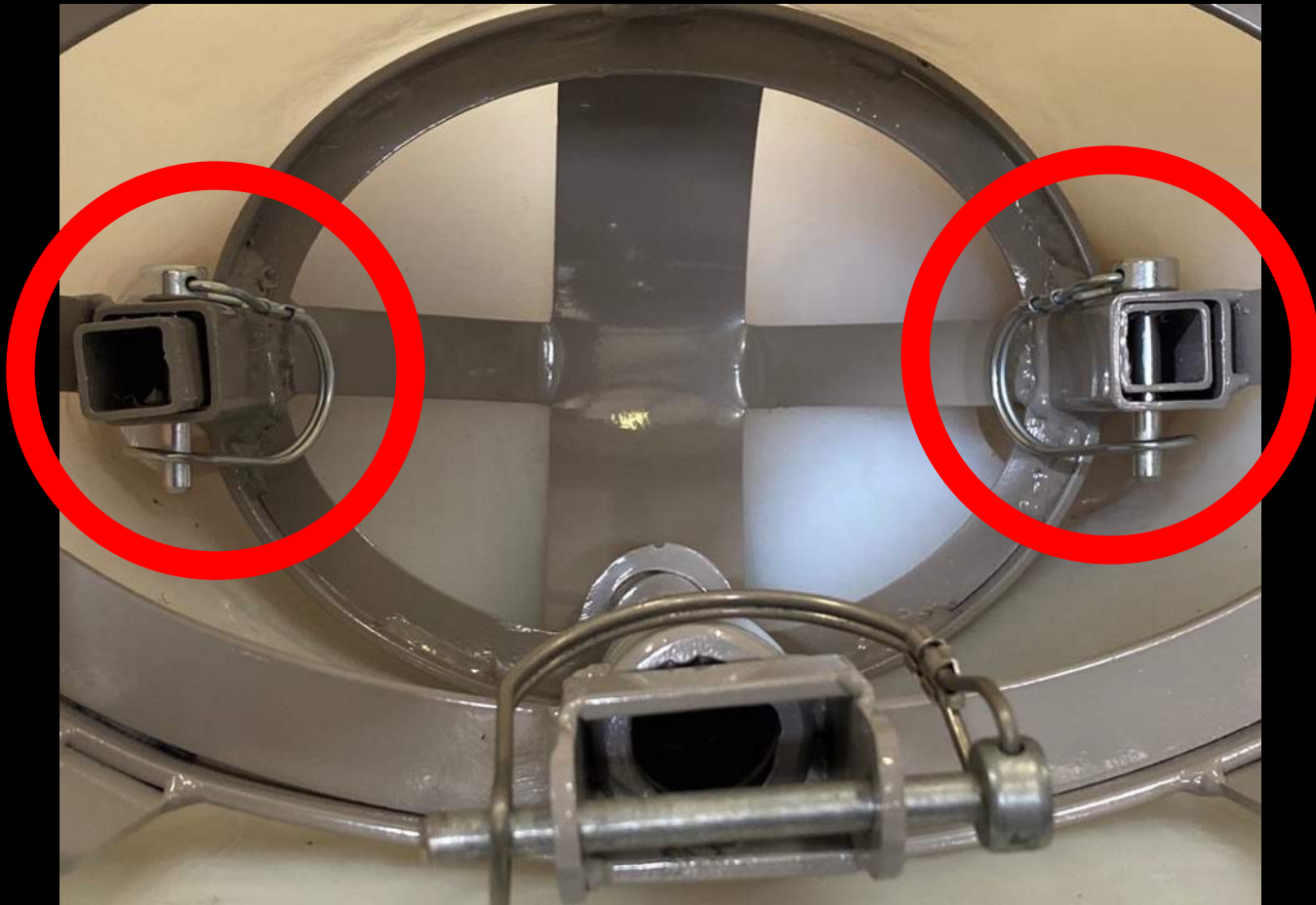
- Tray-mounted side-by-side electronics and onboard air compressor boxes
- Simplified cable management system
- Braided steel cable jacketing

Solid metal bones and joints



Unparalleled durability in the most austere environments!

GEN4+ Quick Exchange Leg Joints



- *Compatible with all Generation TOMM legs*
- *Reduces time necessary to exchange legs*



180 pounds of dead weight dragged by arms

TOMManikin Skin

- TOMM's skin is a proprietary silicone that features SoftechTM and RocktechTM construction technology.
- Skin is stable, inert, non-environmentally reactive, and non-leaching (will not break down, or become brittle, when exposed to extreme temperatures or prolonged UV exposure).
- Manufactured using a hand-laid production technique where skin tone is imbedded throughout the material.
- *Available in light, medium and dark skins tones at no additional charge*

Setting the simulation industry standard for ruggedization and field durability



Photo courtesy of Stop The Bleeding Foundation, Jonesboro, Arkansas

Available TOMManikin injuries

Faces (all interchangeable)

- Burn
- Healthy
- Open jaw fracture

Arms (all interchangeable)

- Healthy (with radial pulse, antecubital IV access, humeral IO)
- Burn
- Shrapnel
- Partial & complete amputations
- Closed fracture with palpable crepitus

Chest

- Uninjured – male or female anatomy
- GSW (with sucking chest wounds and exit wound), male or female anatomy
- Abdominal evisceration (packable)

Pelvis (all interchangeable)

- Uninjured, genderless
- Uninjured, male or female anatomy
- GSW with packable femoral entry and gluteal exit, male or female anatomy

Legs (all interchangeable)

- Uninjured
- GSW (through and through; can be used as an impaled object (*see construction site slide*)).
- Partial and complete amputations
- Tibial I/O

Note: faces, limbs, and pelvis are all interchangeable between TOMManikin platforms. This feature is a training force multiplier!

Hyper-realistic injuries



GSW & amputation legs



Packable abdominal evisceration



Inguinal GSW entry wound
with scrotal avulsion

Gunshot Wounds
Standard configuration on GSW TOMM 93-0040

Chest GSW entry



Chest GSW exit



Leg GSW entry



Leg GSW exit

Pelvic GSW entry



Pelvic GSW exit

Blast Injuries
Standard configuration on Blast TOMM 93-0036

Open Jaw Fracture Face



Shrapnel arm



Packable Bowel Evisceration



Complete leg amputation



Partial and Complete Amputation Arms

Complete Arm Amputation – Left Arm



Complete Arm Amputation – Right Arm



Partial Arm Amputation – Left Arm



Partial Arm Amputation – Right Arm



Closed Fracture & Burn Arms



Closed fracture arm with palpable crepitus

Burn Arm - Right



Burn Arm - Left





GSW leg used for impaled object



Soft tissue injury arm

Photos courtesy of Guardian Centers of Georgia

Realistic clinical interventions



TQ responsive
full amputation
leg pictured







Blast face pictured

TOMManikin can be crushed under 3 tons of pressure

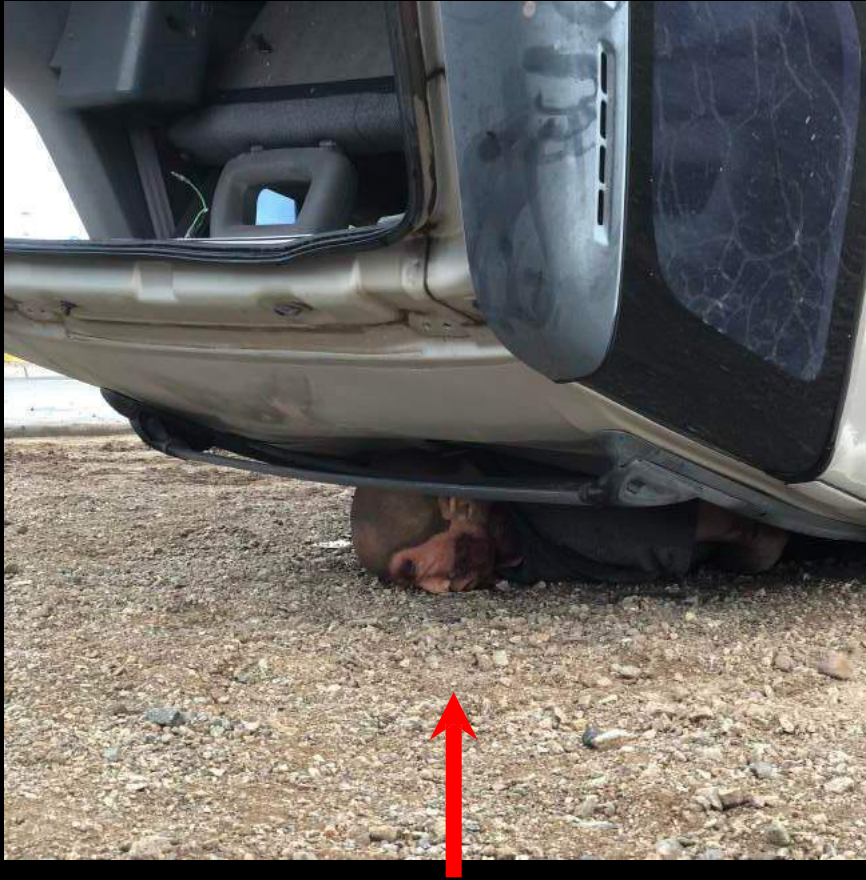


Create realistic confined space and entrapment scenarios.

TOMM enables dramatic scenarios that extend beyond conventional exercises.



Pushing extrication scenario limits



Crushed under two cars



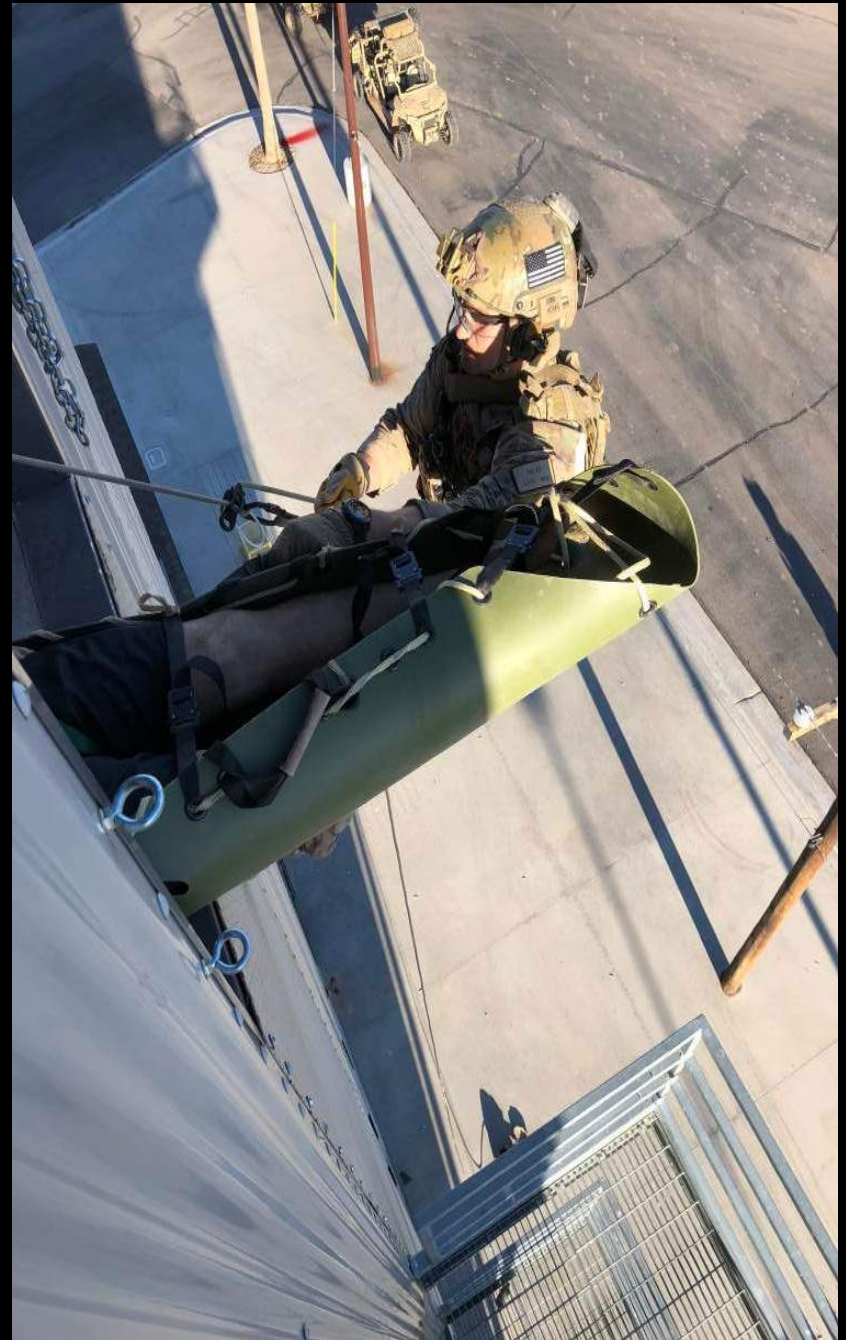
Photo courtesy of 5th CRFP, IL

TOMM's capabilities enable skill mastery that can be applied in realistic environments where responders work as teams to manage complicated rescues.



Photo courtesy of 5th CRFP, IL

Making training memorable!





Popular TOMManikin Configurations

- GSW TOMM
- Blast TOMM
- Basic TOMM
- Burn TOMM
- Confined Space TOMM
- Water TOMM
- CBRNE TOMM
- TAMI – Female version
- *Custom configurations available*

GSW TOMM



Photo courtesy of BMK Ventures

Confined Space TOMM



Photo courtesy of Guardian Center of Georgia

Blast TOMM



Photo courtesy of Southern IL EMS



Photo courtesy of FDNY

Water TOMM

Fully submersible in fresh or salt water



Photo courtesy of Sarasota County Sheriff Dive Team



Photo courtesy of Sarasota County Sheriff Dive Team



Photo courtesy of New Orleans PD & FD

CBRNE TOMM



Photo courtesy of USMC CBIRF

TAMI

Female version of GSW TOMManikin, with anatomically correct female features and voice.

Injury locations based on US Army study suggesting females who suffer penetrating injuries to chest, abdomen, pelvis have a higher mortality rates than male colleagues.

- Injuries located under breast, pubic area, and leg.
- Parallels TOMManikin's capabilities.
 - Industry-leading ruggedization
 - Interchangeable limbs
 - Medical intervention support

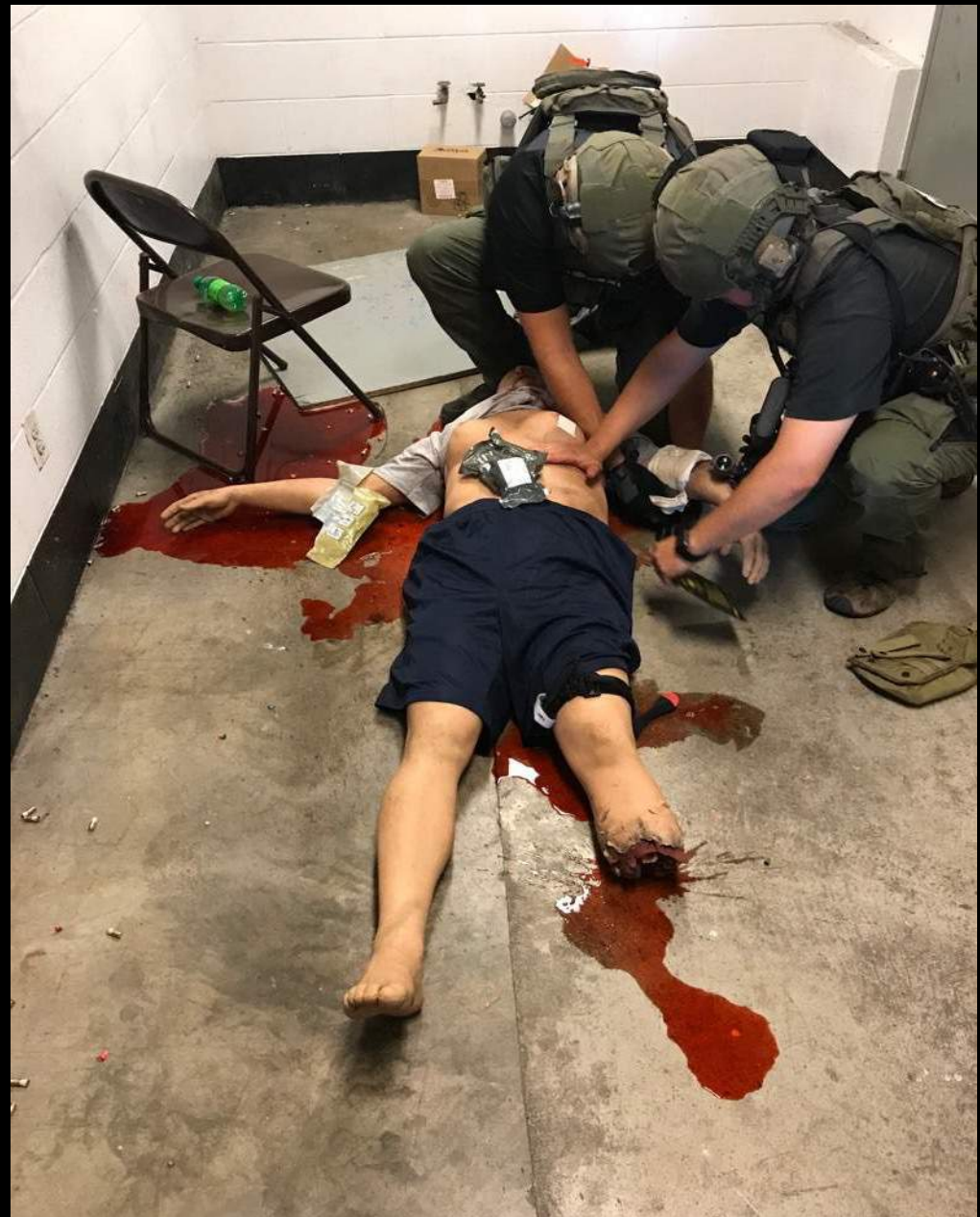


Photo courtesy of Louisville SWAT

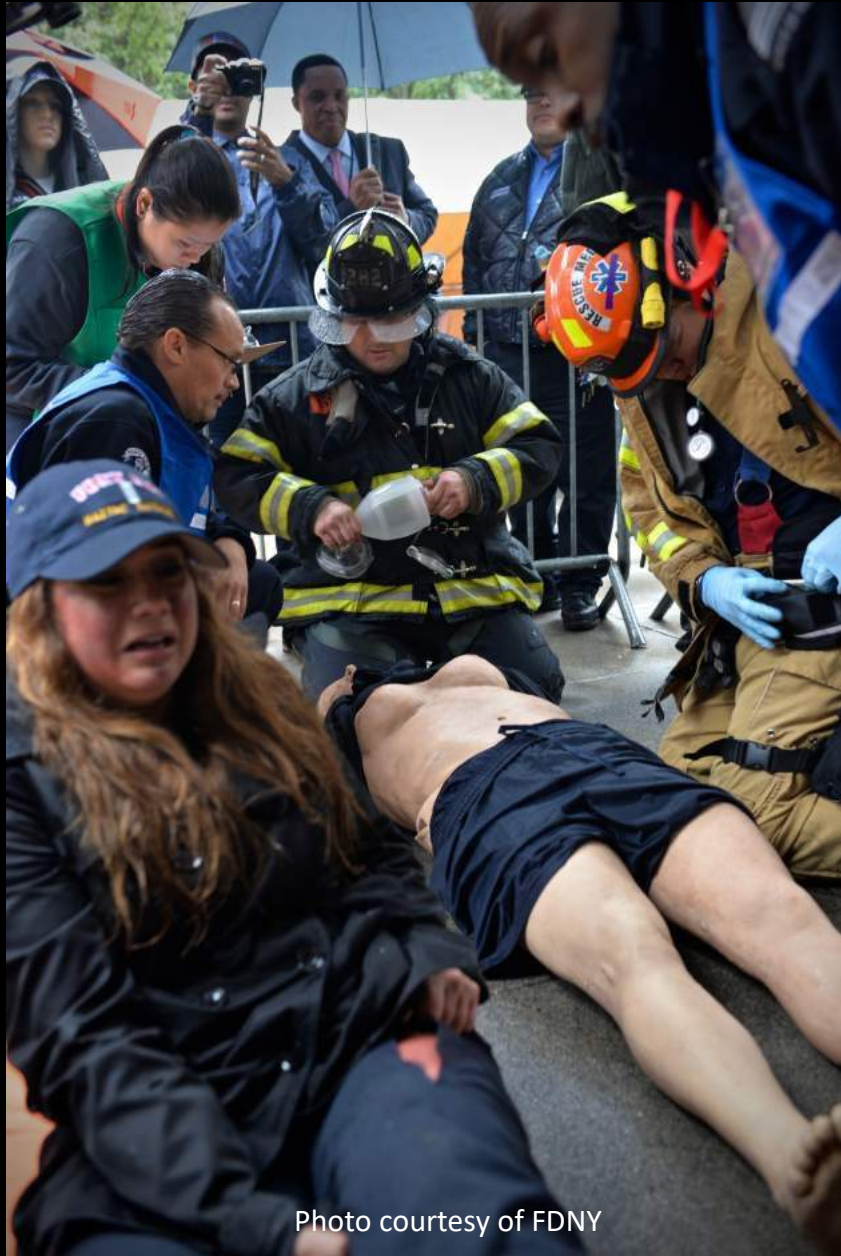
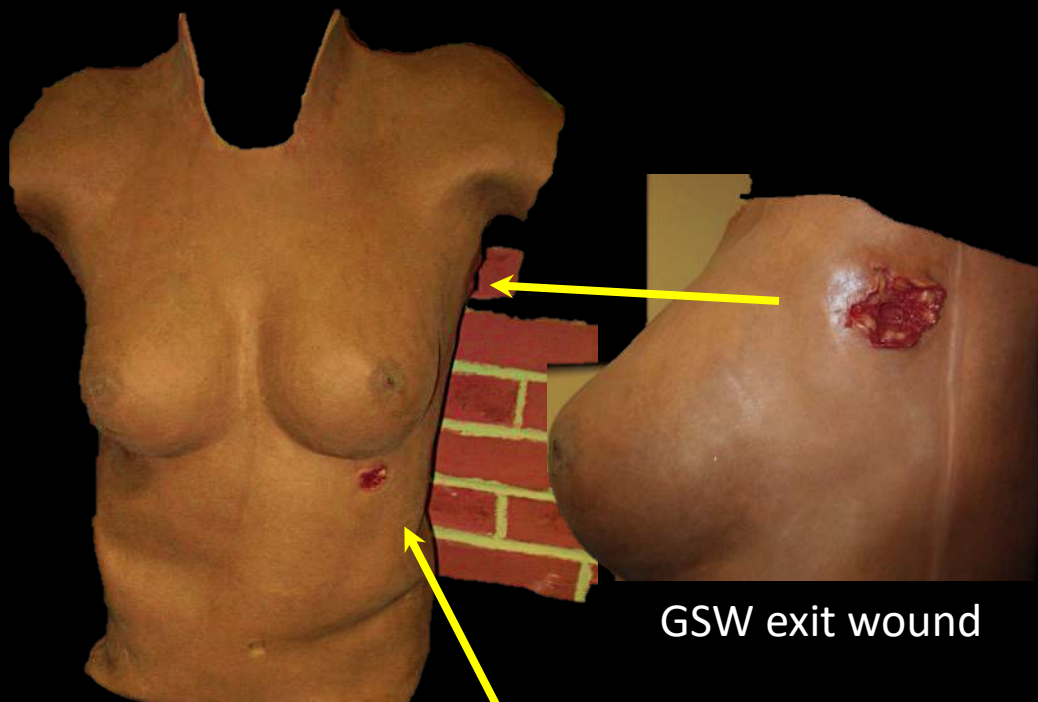


Photo courtesy of FDNY



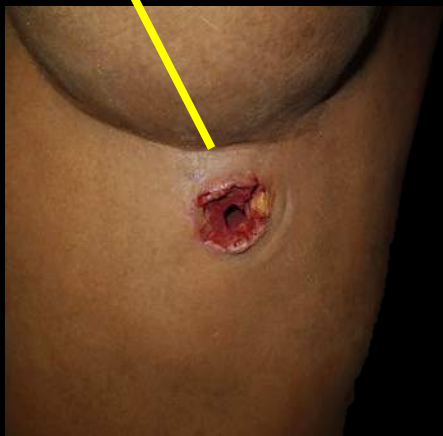
Examples of dark skin tone TAMI



GSW exit wound



Packable pelvic
GSW entry wound



GSW entry wound



GSW exit wound
(Left gluteus)

Simulator Communications

- Features proprietary communication link that requires NO Wi-Fi, Bluetooth, or LAN connections.
- Simultaneous long-range communications with numerous NARS devices.
- NO interference risk with telemetry, avionics, or weapon systems.



MILSPEC Rated

Operating: -20°C to 60°C (-4°F to 140°F) MIL-STD-810G, Method 501.5 Procedure II

Storage: -40°C to 70°C (-40°F to 158°F) MIL-STD-810G, Method 501.5/502.5 Procedure I

Drop / Shock: 26 drops from 1.2 m (4 ft) MIL-STD-810G, Method 516.6 Procedure IV

Vibration: MIL-STD-810G, Method 514.6 Procedures I, II

Sand / Dust: IP65, IEC 60529

Water: IP65, IEC 60529

Humidity: 0 ~ 95% (non-condensing) MIL-STD-810G, Method 507.5

Altitude: 4572 m (15,000 ft) MIL-STD-810G, Method 500.5 Procedure I

K9 Manikin 255 12.5V 54%
Version 1.4.3.0

Disarmed

★ Scenario Preset
Default

Breathing
Left Lung: Off
Right Lung: Off
Tension Pneumothorax: Off

Slow Normal Fast

Bleeding
Upper Bleeding: Off
Lower Bleeding: Off
Carotid Pulse: Off
Radial Pulse: Off

Pulse
70 BPM
Regular Irregular

Audio Control Stop

Volume: 100 Track Selection: TRACK 1

Getting Audio Tracks

Combat Application Tourniquet

Student: Tom
Evaluator: ITTS
Date: 01/01/18 Pass

LOAD SAVE VIEW

- Removed the C-A-T from the carrying pouch.
 - Slide the wounded extremity through the loop of the Self-Adhering Band or wrap around extremity.
 - Positioned the C-A-T above simulated wound site; left at least 2 inches of uninjured skin between the C-A-T and the wound site.
 - Twisted the Windlass Rod until the distal pulse was no longer palpable.
 - Locked the rod in place with the Windlass Clip.
 - Grasped the Windlass Strap, pulled it tight and adhered it to the Velcro on the Windlass Clip.
 - Verbalized using a marker to draw a "T" on the casualty's forehead and recorded the date and time the C-A-T was applied.
- Critical Criteria**
- Did not place the C-A-T 2-3 inches above the wound.
 - Did not twist the Windlass Rod sufficiently to control the bleeding.
 - Did not secure the CAT properly for an arm/leg wound.

Performance Evaluation

** Evaluations are saved to the instructor tablet. Easily exported as HTML document via USB or email.

Sample exported student evaluation

Combat Application Tourniquet

Student: Mike Pass Fail

Initial Evaluation Re-Evaluation

Evaluator: Tom Date: 02/07/19 9:37:42

<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Removed the C-A-T from the carrying pouch.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Slide the wounded extremity through the loop of the Self-Adhering Band or wrap around extremity.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Positioned the C-A-T above simulated wound site; left at least 2 inches of uninjured skin between the C-A-T and the wound site.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Twisted the Windlass Rod until the distal pulse was no longer palpable.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Locked the rod in place with the Windlass Clip.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Grasped the Windlass Strap, pulled it tight and adhered it to the Velcro on the Windlass Clip.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Verbalized using a marker to draw a "T" on the casualty's forehead and recorded the date and time the C-A-T was applied.
Critical Criteria		
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Did not place the C-A-T 2-3 inches above the wound.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Did not twist the Windlass Rod sufficiently to control the bleeding.
<input checked="" type="radio"/> Pass	<input type="radio"/> Fail	Did not secure the CAT properly for an arm/leg wound.

**** Custom student evaluations added at no additional charge**

Now with Scenario and Preset Builder software included!

Scenario:

Preset

Preset Name

Duration Sec

Bleeding Rate Pulse Strength

Use Air Compressor

Breathing

Left Lung Right Lung Tension Pneumothorax

Bleeding Upper Bleeding Lower Bleeding

Carotid Pulse Radial Pulse

Pulse

Pulse Beats Per Minute (BPM) **50**

Audio Control

Volume Track Selection

POX

Blood Saturation **0%**

BPC

Systolic **0**

Diastolic **0**


CAP

ETCO2 **0**

Capnograph

Additions

Glucose **0**



What's included when you purchase a TOMManikin

- Accessory Kit
 - 2 NiMH rechargeable batteries (5-amp & 10-amp) with independent chargers
 - T-handle wrench
 - Replacement connectors
 - 5-pack of surgical airway neck skins (35 op sites)
 - 8 oz. concentrated sim blood
 - NARS mil spec-rated tablet
- 2 3-wheeled transport and storage bags designed for TOMM
- NAR IFAK
- Velcro uniform (blouse and trousers)
 - Digital pattern
 - Sand color scheme
 - Blouse features Velcro sleeves and lateral seams
 - Trousers feature Velcro inseam and lateral seams
 - Button fly



Simulation Enhancements

*** All NARS devices are capable of simultaneous control
via a single NARS instructor tablet*

TOMMANIKIN MOULAGE KIT

Fully compatible with TOMManikin or worn by human role player.

Includes: bleed system, 8.8 oz simulated blood concentrate, extra tubing, connectors, hard case, and the following wounds: Thigh Laceration, GSW Through Hand, GSW Leg, Neck Wound, Broken Jaw w/ Laceration, Open Scalp Wound, Blast Face with hard bone (mask)

Open scalp wound



Laceration to scalp with exposed bone.

Thigh wound



A wearable wound simulation that represents a deep laceration exposing fat and muscle tissue



Neck injury exposing fat and muscle. Supplied with bleeding system. Wrap-around device with hook and loop fasteners

Blast face with hard bone



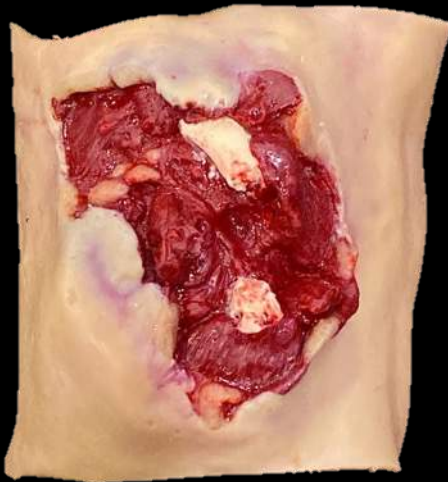
Full face mask with third degree burns, swelling, with bleeding system. Wrap-around with hook and loop fastener

Broken jaw with laceration



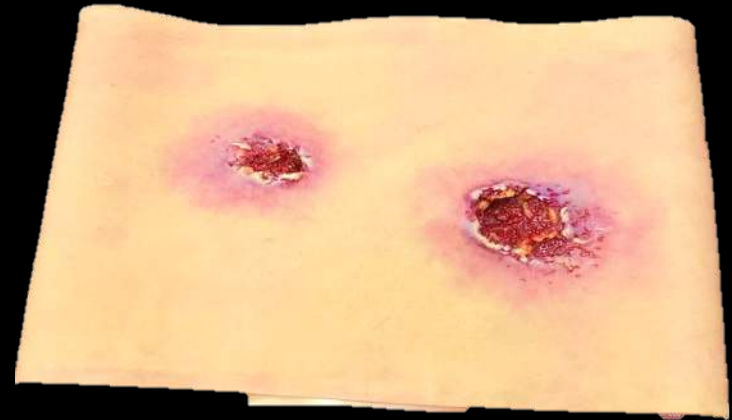
Half-mask allows for unobstructed breathing through nose. Wound shows bone, muscle and fat tissues. Supplied with bleeding system. Wrap-around with hook and loop fastener

GSW to hand (Rt)



A through-and-through gunshot to the right palm exposing fat, muscle, bone and tendons. It bleeds from both the entry and exit wounds. It wraps around an actor or manikin. Attaches with hook and loop fastening.

GSW to leg



A through and through gunshot wound exposing fat and muscle tissues. Bleeds from entry and exit. Wrap around device with hook and loop fastener

***Manual bleeding system and
non-staining simulated blood liquid concentrate***



This 2-Liter simulated blood supply reservoir with manual pump is designed to attach to any NARS bleeding wearable wound simulation, Wound in a Box™, part task trainer, or worn by human role player.



8 oz. concentrated simulation blood.
Non-staining

Wearable Wounds

- 100% SILICONE CONSTRUCTION
- HOOK & LOOP WRAP AROUND CLOSURE
- APPLICATION/REMOVAL IN MINUTES
- DESIGNED FOR USE ON TOMMANIKIN AND HUMAN ROLE PLAYERS

Examples of Wearable Wounds



Packable evisceration



GSW through hand



Large thigh laceration



Burn arm

Sticky Wearable Wounds

*100% silicone construction
can be reused multiple times*

*Designed for use on TOMManikin and
human role players*

Examples of Sticky Wounds



Laceration



Electrical Burn



GSW entry wound



Thermal Burn



Chemical Burn

Patient Monitoring suite (PMS)

The NARS Capnograph Simulator is designed to be used as a mainstream carbon dioxide monitor that can be connected in-line with a mask or tube. Simulator displays include carbon dioxide partial pressure, respiratory rate and CO2 waveform.



The NARS Pulse Oximeter Simulator utilizes the widely used finger-style probe for monitoring blood oxygen saturation. Simulator display includes Heart Rate, SpO2 and SpO2 waveforms.



The NARS NIBP Monitor Simulator is designed to replicate a portable NIBP monitor. This simulator allows medical responders to gather vital signs without instructor intervention. Onboard controls allow various modes of operation. Display includes systolic & diastolic pressures (mmHg) and heart rate.



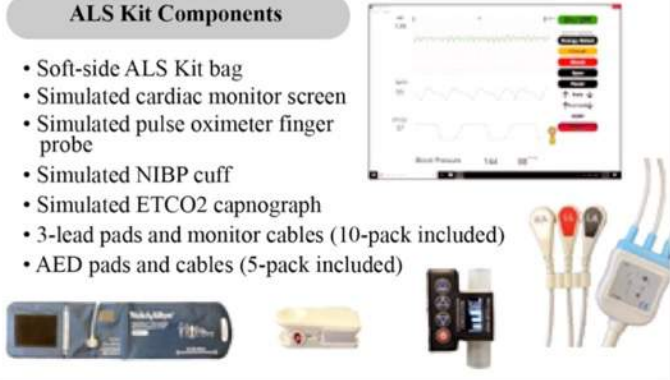
The Advanced Life Support (ALS) Kit devices are controlled by the Instructor Tablet via Bluetooth.

- These devices are used to simulate various vital signs for advanced life support monitoring and simulation.
- A set of simulators for use in all phases of patient care for any human (role-player), or any patient simulator, includes simulated cardiac monitor screen, NARS Patient Monitoring Suite (Pulse oximeter, NIBP cuff, ETCO2 capnograph), durable ALS bag with 3-lead monitor cables and AED pad cables and simulated cardiac monitor screen tablet.
- The ALS Kit supports on-the-fly, dynamic cardiac rhythms, B/P, ETCO2, SpO2, all controlled from the instructor tablet.
- Waveforms include ECG Lead II, ETCO2 & SpO2



ALS Kit Components

- Soft-side ALS Kit bag
- Simulated cardiac monitor screen
- Simulated pulse oximeter finger probe
- Simulated NIBP cuff
- Simulated ETCO2 capnograph
- 3-lead pads and monitor cables (10-pack included)
- AED pads and cables (5-pack included)



Introducing rapid immersion augmented reality training



Helmet not included

The Virtual Patient Interactive Trainer (VPIT) is an augmented reality training system paired with the instructor tablet that enhances the visual presentation of patient conditions.

The VPIT is remotely controlled by the instructor tablet using Advanced Remote software. It highlights patient visual cues that are hard to replicate in traditional training (e.g., altered mental status, respiratory distress, the progression of shock, and tissue swelling).

VPIT's rapid delivery of training session scenarios and real-time data capture makes TCCC training more efficient. Rapid immersion helps students develop fast recognition skills and mentally rehearse the activities/interventions that will be needed in a real-world environment.

Gaze tracking technology captures students' focus points, particularly useful in debriefings.

V-PIT™

VIRTUAL PATIENT
IMMERSIVE TRAINER



MASTER TCCC SKILLS

SIMULATED EXPERIENCE

VPIT

SHORT CONDITION

#15 Burned 1 Leg Burn

Full and partial thickness burn to right leg with severe bleeding

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#16 Burned Inguinal

Full and partial thickness burn to inguinal area with severe bleeding

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#17 Advanced Burns Head & Neck

Partial and full thickness burns to face and neck with impending swelling and airway distress

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#18 Shock Patient

A patient with an external injury progressing through shock

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#19 Shock Patient + External Bleeding

A patient with an external injury progressing through shock

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



AIRWAY FACE AND NECK BURNS

#15 Burns Face & Neck

Partial and full thickness burns on face and neck. Swelling of airway as time progresses.

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#24 Burns Face, Neck & 1 Arm

Partial and full thickness burns on face, neck and left arm. Swelling of airway as time progresses.

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#25 Burns Face, Neck & 2 Arm

Partial and full thickness burns on face, neck and right arm. Swelling of airway as time progresses.

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#44 Burns Face, Neck, 1 Arm & 2 Arm

Partial and full thickness burns on face, neck and both arms. Swelling of airway as time progresses.

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



AIRWAY FACE AND NECK BURNS WITH FLAIL CHEST

#18 Burns Face & Neck + Flail Chest

Partial and full thickness burns on face, neck. Swelling of airway as time progresses. Flail chest with paradoxical motion and breathing as time progresses.

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#28 Burns Face, Neck & 1 Arm + Flail Chest

Partial and full thickness burns on face, neck and left arm. Swelling of airway as time progresses. Flail chest with paradoxical motion and breathing as time progresses.

Anticipated Configuration: 100% abdomen | 100% chest | 100% head



#28 Burns Face, Neck & 2 Arm + Flail Chest

Partial and full thickness burns on face, neck and both arms. Swelling of airway as time progresses. Flail chest with paradoxical motion and breathing as time progresses.

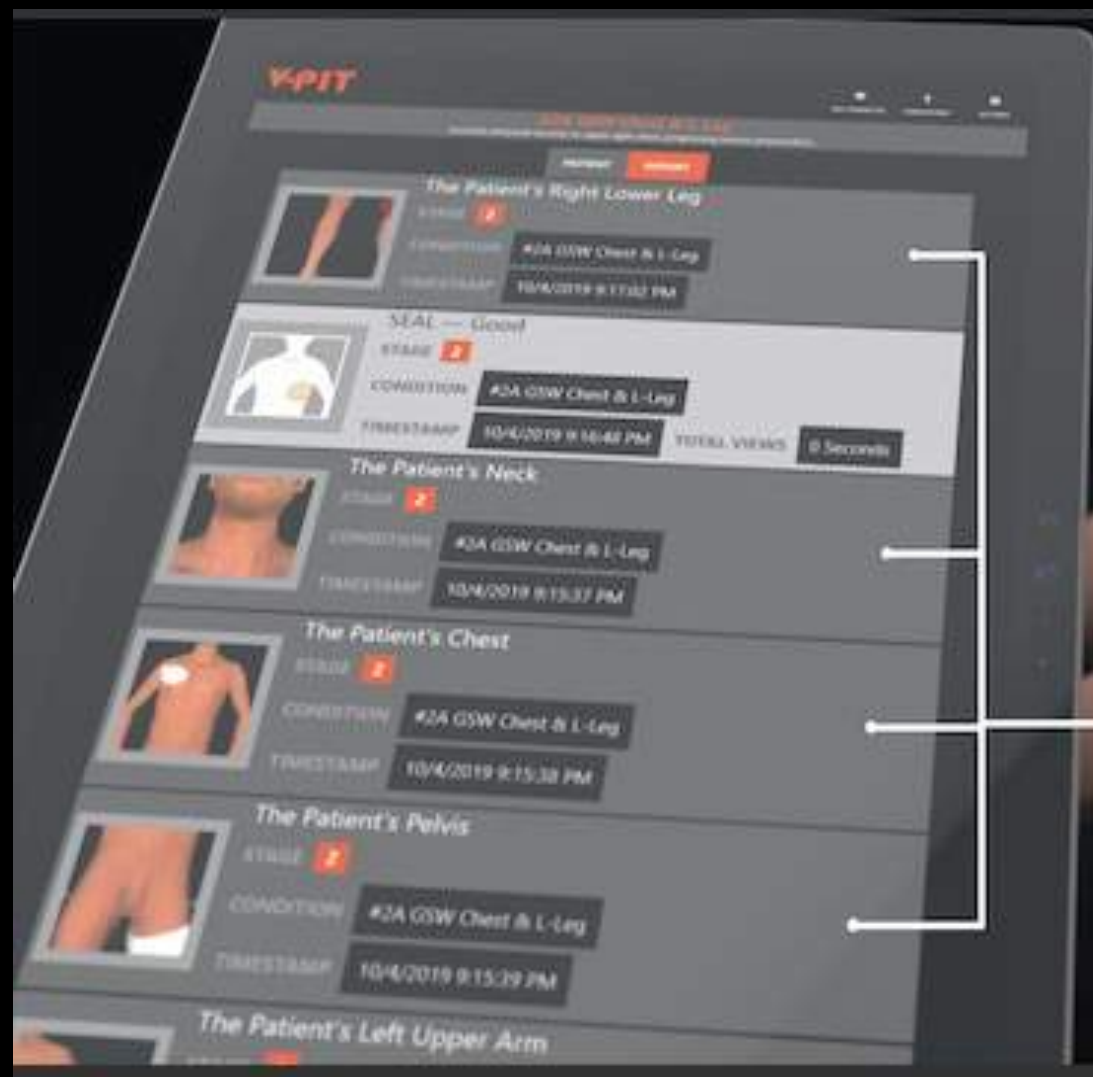
Anticipated Configuration: 100% abdomen | 100% chest | 100% head



60+

INJURY COMBINATIONS



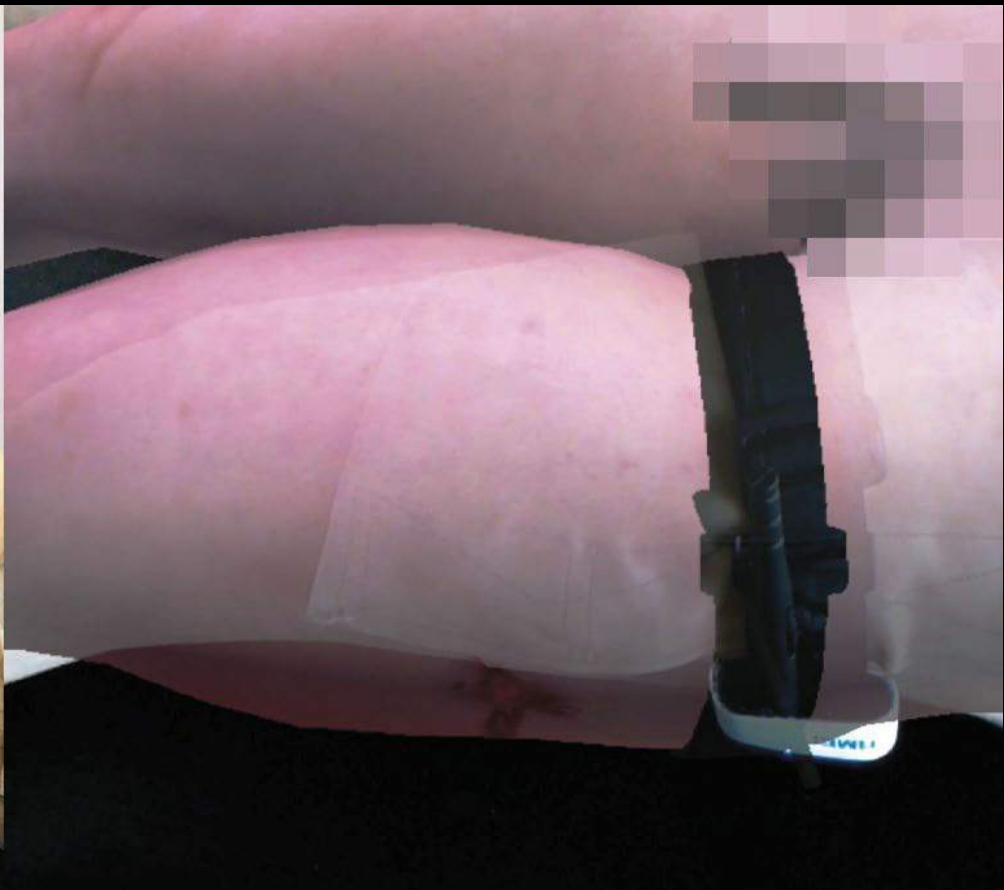


**REAL-TIME
REPORTS**

Patented
Tracking
Technology

VPIT and TOMManikin

- The trainee wears the headset throughout the training session
- When interventions need to be applied, the virtual patient can be removed from the trainee's view to ensure safe and effective practice

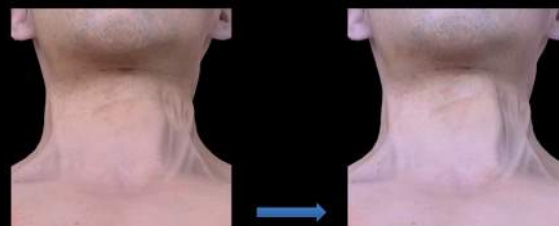


Samples of student-worn VPIT views

Visualizing Progressive Shock Stages



Progression of Jugular Vein Distention and Tracheal Deviation



V-PIT™ PACKAGE

VIRTUAL PATIENT
IMMERSIVE TRAINER



Microsoft Surface
with V-PIT Preloaded
& Pretested



Microsoft HoloLens 2

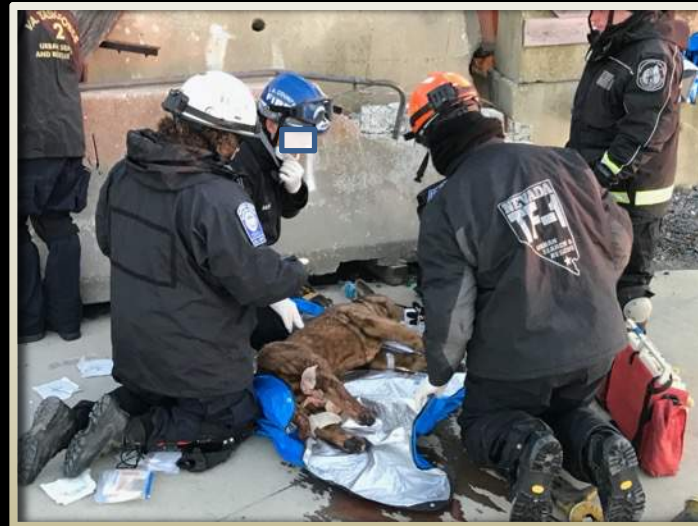


Curricula Support
based on 2019 TCCC Guidelines



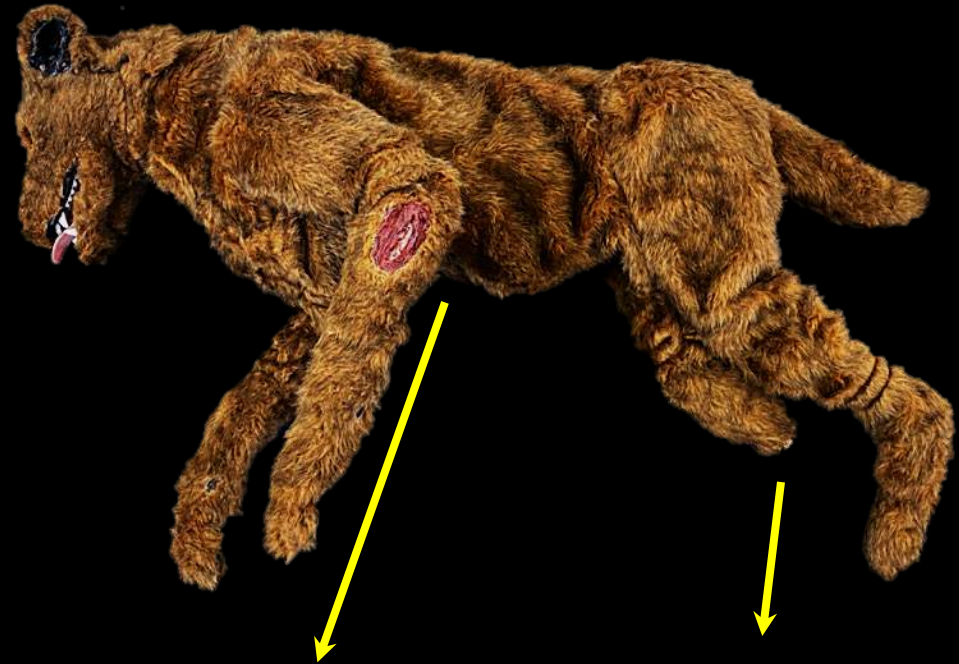
NORTH AMERICAN RESCUE
Simulation

Meeting the needs of working dog field medicine



K9 Trauma simulator

- Expanded joint range of motion
- CPR chest
- 5 interchangeable limbs with various injuries
- Improved airway
- Barks, bleeds & breathes
- 1L onboard blood capacity
- Wireless operation via NARS tablet



Advanced airway management



Open laceration



Complete amputation

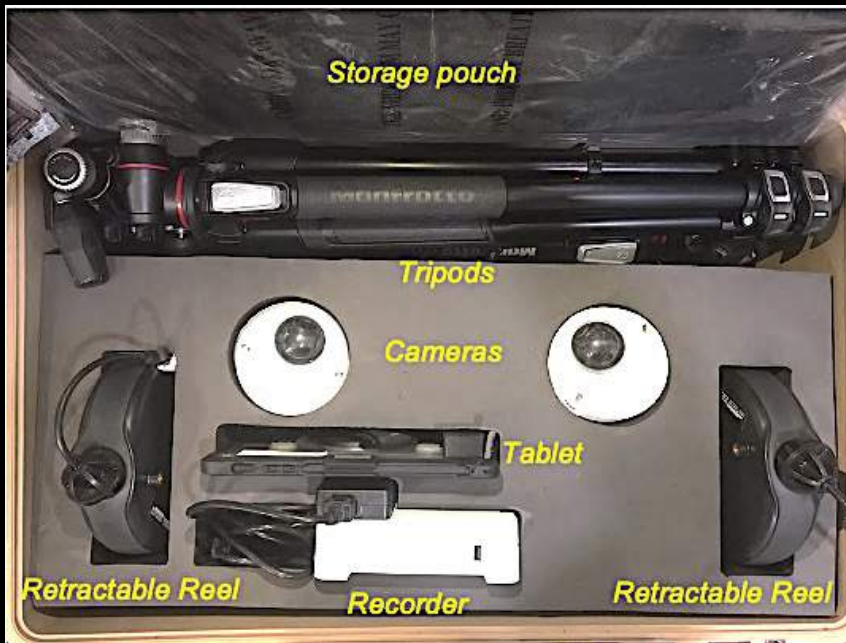


NARS simulation accessories

Compressed air blast sim

- *Safe for indoor/outdoor use*
- *Housed in all-weather case*
- *Onboard compressor*
- *Multiple 'blasts' from single charge*
- *Onboard rechargeable battery*
 - *Battery is commercially available*
- *Remotely controlled by NARS tablet*
- *Test student's situational awareness with an unmarked/unattended case*
- *Can be safely x-rayed by EOD members*





Mobile Feedback System

- *Dual HD cameras*
- *2 Professional tripods w/ camera mounts*
- *4TB data recorder*
- *2 25' retractable cord reels*
- *Wheeled Pelican case*
- *Includes student-wearable stress monitor*

Mobile Feedback System Camera – The NARS video management system—coupled with TOMManikin’s physiologic trending capture and student performance scoring—equips training personnel with comprehensive student performance metrics useful in After Action Reviews and program assessment. This comprehensive system enables multi-angle video capture, control room evaluator annotations, trending physiologic data, and time stamp record of interventions provided

CASEVAC Simulators

CV-22



H-60



Options include ICS Kit with headsets, cameras with video capture, litter stanchions, FRIES bar, blackout drapes.

MH6 Little Bird



MH-6 Little Bird - Water



Water TOMM pictured inside Little Bird

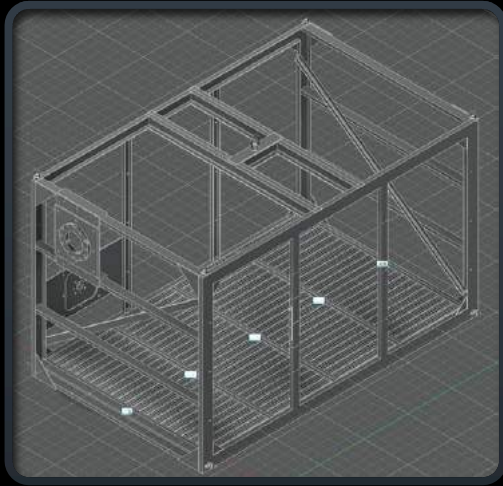
NARS Salvage Vehicles





US Navy Mobile Diving and Salvage Unit ONE





Preparing for shipment

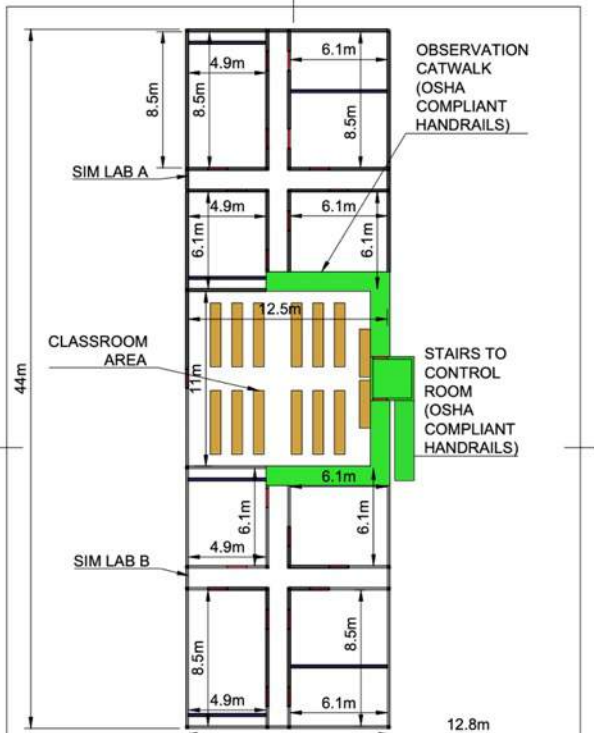
Custom Navy Diver Salvage Training Box

Simulation training centers

Engineering custom turnkey training solutions that feature


- Structures
- Trauma simulators
- Patient vital sign simulators
- Vehicle simulators
- Dynamic multi-angle video capture
- Special environmental effects
- Live student stress monitoring

Simulation training centers



Engineering custom scalable experiential learning environments from concept design through installation and onsite training.

Simultaneous integration of multiple NARS products and devices, create environmentally realistic scenario settings. From care in the streets/POI care, mass-casualty triage, prolonged field care and complex medical/surgical case management, our solutions provide the capability to train personnel in a safe, reproducible, environment.

Dept.	Technical reference	Created by Eli Heintzman 2/27/2020	Approved by
		Document type PROVISIONAL	Document status PENDING
	Title CMSL INTEGRATED CLASSROOM OVERVIEW		DWG No. 1
	Rev. 1	Date of issue 02/27/2020	Sheet 1/2

Simulation center elements

- Portable, reusable, training systems that enhance the realism of combat medical training without heavy demand on personnel.
- Enhances stress inoculation capabilities while training personnel proper methods of administering medical aid to occupants from the interior of any structure or within the parameters of a training exercise.
- NARS proprietary software enables simultaneous control of all devices from a single tablet.

Smoke Generator



Our smoke machines produce some of the highest output in the business with controlled and settable bursts of smoke for setting different levels of applicable vision restrictions.

Fire suppression system safe even with heavy dense fog.

Control is fully integrated into the NARS control system and can be set to on, off, or settable intervals.

Can be integrated into NARS scenario software

Sensory Control Unit System components



Wind simulator

- Wireless AC control
- 3-speed output (2600-4000 CFM)
- 1HP
- Power: 10-10.8 amp
- Voltage: 115-120
- Weight: 38.5 lbs
- Power cord length: 25'

Sound System

Sim center is equipped with multiple powered speakers to generate unique background and environment sounds.

System is fully integrated into the NARS control system software and the operator need only push a button to change the environment from quiet wilderness to explosive crash site for any of the rooms at any time.





LED lights

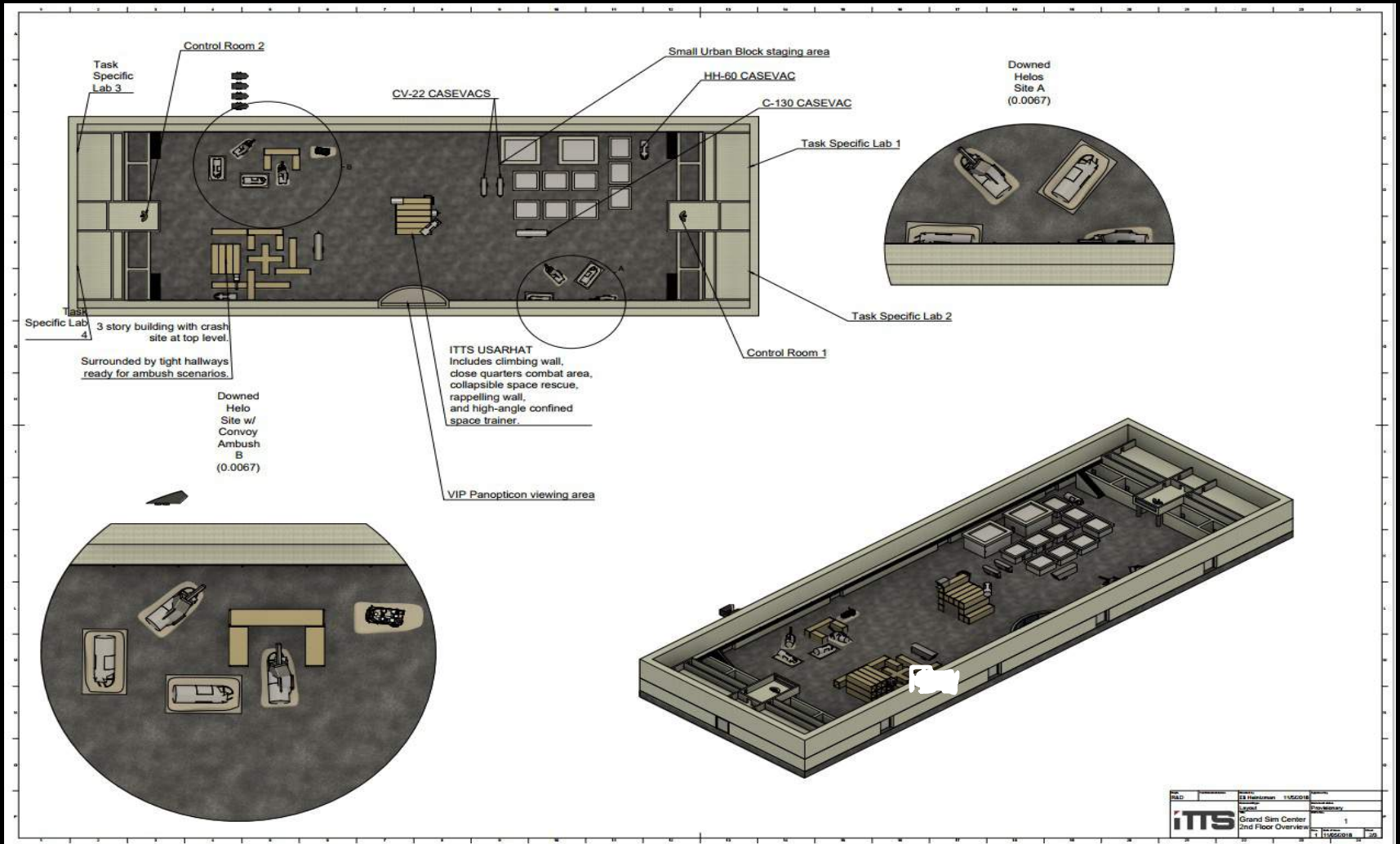
Brilliant strobe lights with configurable strobe patterns, and levels of intensity, help generate the in-field immersion of each scenario.



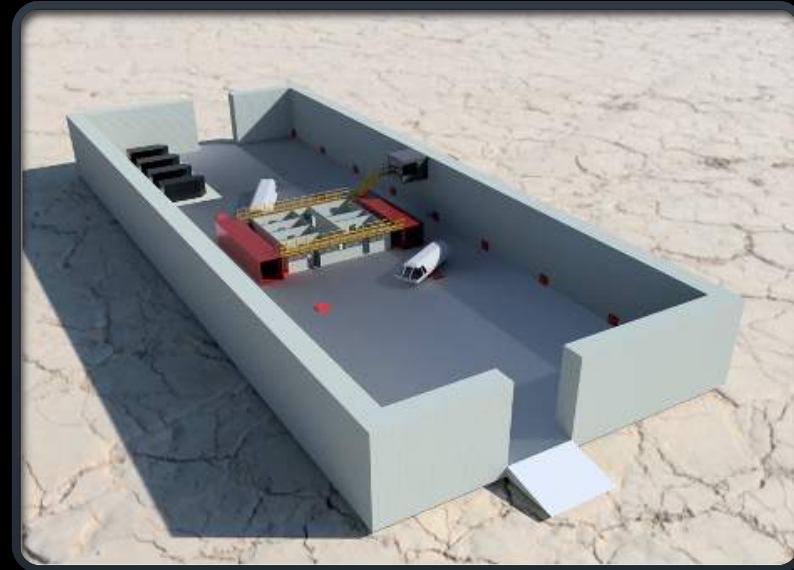
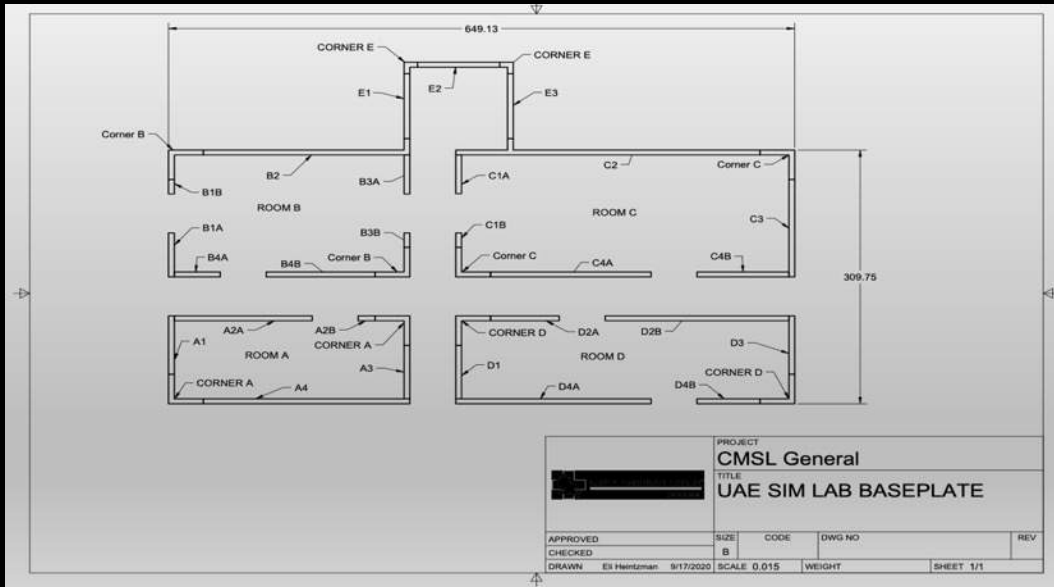
Grand Simulation Center Saudi Arabia

Conceptual project that includes multiple crash sites, urban and rural settings and CASEVAC capabilities.

Includes master control suite with VIP observation area and 4 classrooms.



UAE Simulation Center



Initial conceptual drawing

UAE Simulation Center during assembly

Loudspeaker mounted



Individual room view from observation deck



Ground-level view with overhead camera mounted

Faux brick wall installation



Center hallway entrance

Simulation Control Room



(In assembly) View from catwalk

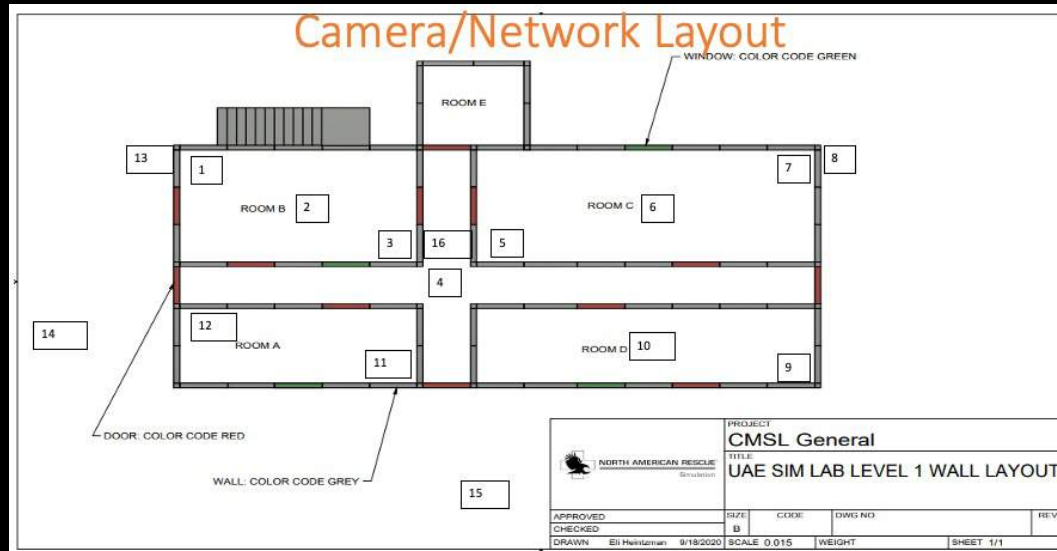


Multiple servers to capture video and student performance evaluations



Multiple video screens enable simultaneous control of sim center components and live multi-camera views of sim center areas of operation.

Multiple cameras to capture scenario performance



AXIS Q6075-E – PTZ Network Camera



AXIS P3717-PLE Network Camera



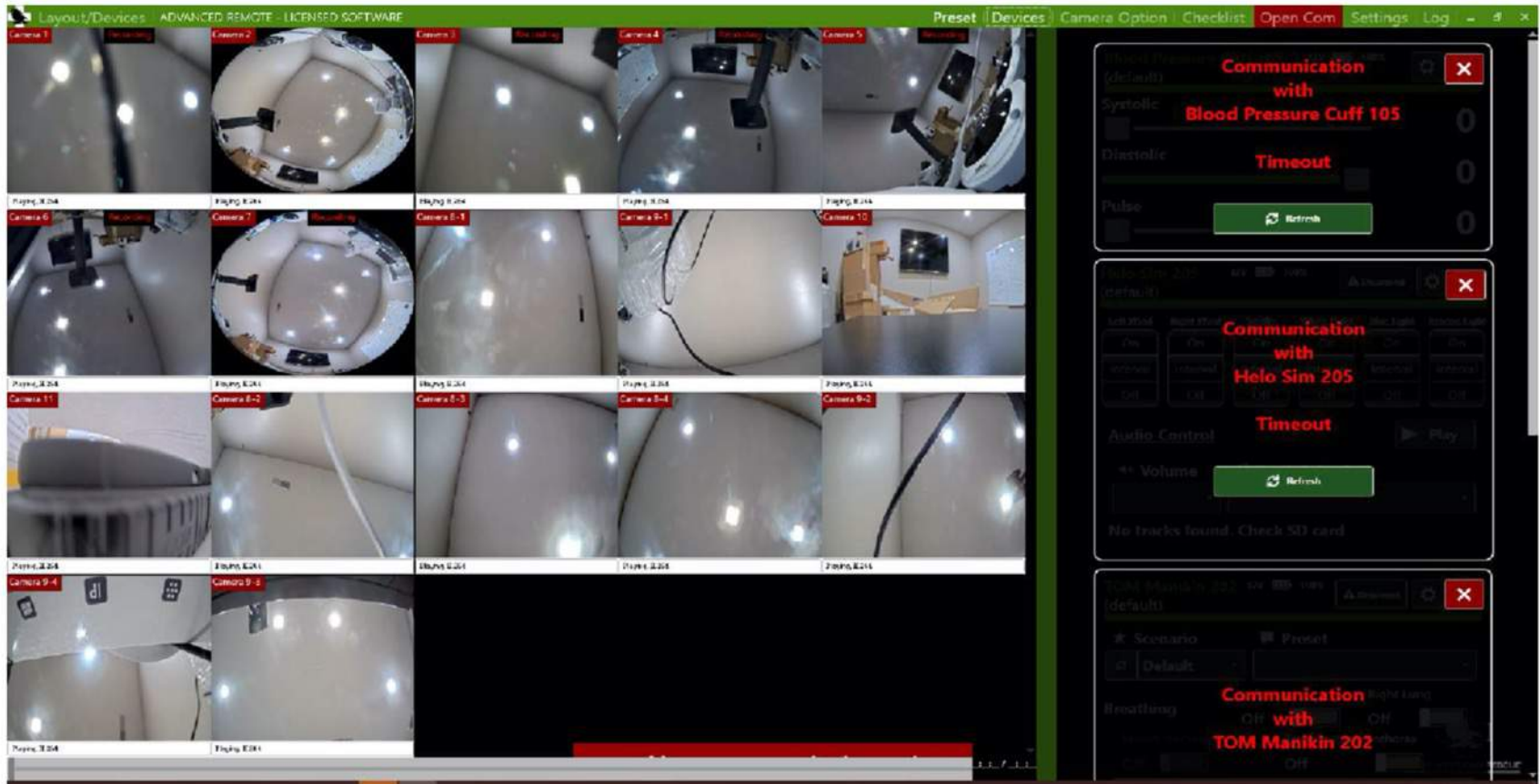
AXIS M1065-LW Network Camera



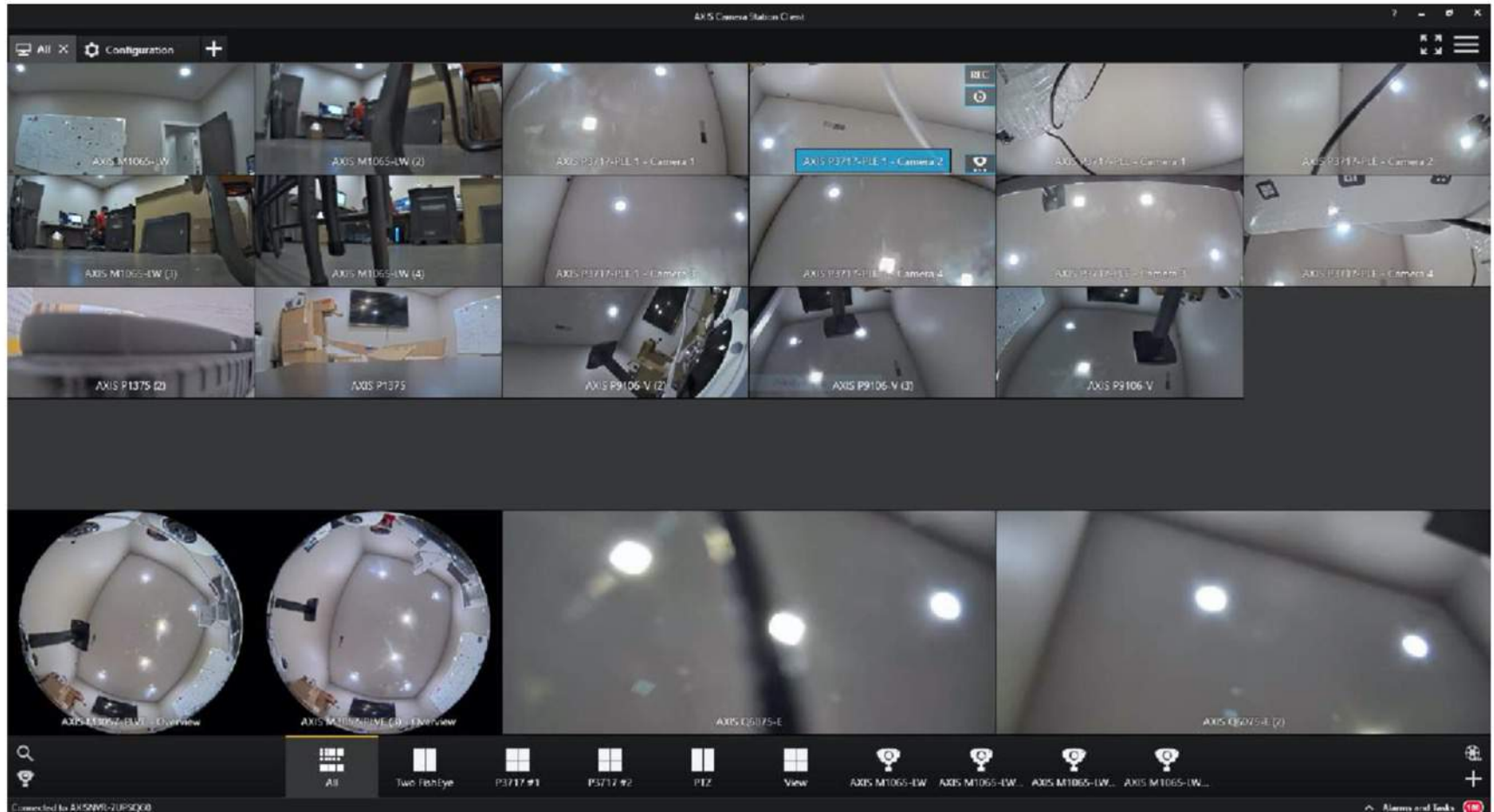
AXIS P9106-V Network Camera



Sim Room Camera Interface 1 – Alienware Dual Monitor



Sim Room Camera View 2 – Dell 55" Monitor



Customer Support

NARS offers flexible customer support options:

- Onsite visits / New Equipment Training *(required)*
- Telephone and video conferencing support
- Online training videos, resource page, and warranty registration.
- Flexible extended warranty options available

NARS Equipment Sustainment Levels

Modular design enables rapid repair/replacement in the field by end-users.

Technical support via:

1. Telephone/Video consultation (*Skype/Zoom/Facetime/etc.*)
2. Replacement part exchange
3. Onsite Technician visit

Future Upgrade Capabilities

TOMManikin's features and capabilities continue to be refined and improved. Historically, NARS has maintained upgradable continuity from our earliest TOMMs through current production.

Innovative experience
where it matters most



NORTH AMERICAN RESCUE®

Simulation