FAAC VR EXPERIENCE

CONTINUUM OF TRAINING

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ENHANCED VR EXPERIENCE

MULTIPLE SIMULATIONS
MANY PARTICIPANTS
ONE SCENARIO

CONTINUUM

FAAC's Continuum of Training through its VR Experience is a multi-disciplinary, multiple participant capability for First Responder training that maximizes the use of FAAC simulators and tools, resulting in incremental "simple-to-complex" content-focused student learning. Each of the following training platforms is connected by a single scenario that plays-out as in the field.

DRIVE

Be part of the solution by arriving at the scene safely. Driver training simulators, like the Dual Crew Trainer help identify the individual skills which will be required for the successful, safe operation of vehicles by First Responders. Training in this phase isolates individual skills within single events, coupled with proper judgment and decision making repetition and recurrence to establish a "conditioned reaction" of fundamental skills.

COMMAND

inCommand prepares the commander for decision making in scene management. This phase will also train other roles for preparation training for a full-scale incident. The simulation allows emergency crews to experience the event as they would in real life. They assess the situation and determine the best response strategy, implement it, and then observe the consequences of their decisions.

OPERATE

Pump Ops trains firefighters on the safe operation of a pump engine. A "Sequential system" or "Sequential approach" to multi-faceted tasks are required for safe operation. Training in this phase involves an understanding of the "real" situation, such as hose configuration, managing water sources, water flow, friction coefficients, and radio communication.

SUPPRESS

Combined Live and Virtual/Augmented reality training gives the next generation of Firefighter invaluable experience that is missing in the field today. All while maintaining a safe, controlled training environment. The future is here.

RESCUE

Rescue is a primary objective at critical scenes. Response engages the student and develops their competencies through practice while preparing the student to have a controlled response to a crisis or medical situation. The simulator uses interactive video to take a student through the scenario, and their actions trigger outcomes that would result.

CONTINUUM PRODUCTS

SIMULATION TRAINING TOOLS FOR FIRST RESPONDERS

ER DRIVE

FAAC

FIRE DRIVER TRAINING SIMULATOR

DRIVING TRAINING SIMULATORS

Train the operator and officer in one simulator. The Dual Crew Training Simulator provides a continuous view point to provide a common, non-distorted image to both operator and officer, unique within the industry.

Powerful Scenario Based Instruction

- Comprehensive suite of simple to complex scenarios
- Repeatable and consistent objectives
- Student review and assessment tool set
- Policy programmable

Components of Driving Station

- Authentic or generic dash and components
- Authentic Placement and operation of actual controls
- True-feel Steering force feedback
- Advanced graphics technology
- Actual motion displacement 3-DOF

Single and custom cab configurations available for Fire & EMS

inCommand

INCIDENT MANAGEMENT TRAINING

inCommand, powered by the XVR's On-Scene, is an off-the-shelf interactive 3D incident command and control simulation for tactical and procedural level training. The trainee experiences the event through practical application by training in an immersive realistic virtual environment, without the dangers, costs, and time associated with traditional in-field training. Maximize the learning within a controlled and predictable setting through repeatable scenarios, controlled by programmable events, with the agility of dynamic instructor input.

Let the trainee experience it for themselves, through the consequences of their actions, allowing them to retain those "soft-skills" for those high-pressure, low frequency, situations. For all levels of experience, levels of training, simple to complex, inCommand meets the challenge.

PumpOps SIMULATOR PATENTED

PUMP OPERATION TRAINING

Pump Ops allows reinforcement of hands-on pump operation training for new and existing pump operators in a disciplined, cost-efficient, and safe environment, preventing injuries to the trainees and damage to the equipment. Reduce your environmental impact by not using gallons of water or harmful foam. With Pump Ops, you can train in any weather and keep units in service, and reduce support personnel.

System Features

- Life-Size/Full-Size modular unit built into a free-standing cabinet
- Accurate algorithms representing configurations of pumps, nozzles, hoses, elevations, for both water and Foam (A & B) sources
- Multiple pumps, nozzle, hose configurations
- The “inner” workings of the panel are simulated through software - no pumps, valves, or water
- Active student assessment forms
- A mixture of authentic components and LCD displays
- Optional Transportation Kit

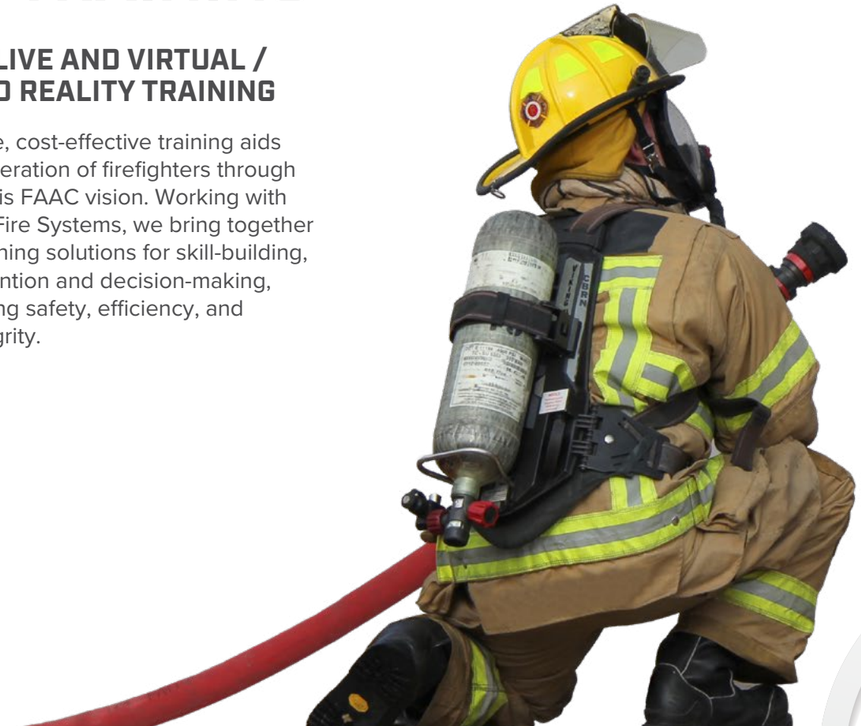
Top Mount Pump Ops
configuration
shown may vary

Side Mount Pump Ops
configuration
shown may vary

NEXT GENERATION HOSE TRAINING

COMBINED LIVE AND VIRTUAL / AUGMENTED REALITY TRAINING

Maintaining safe, cost-effective training aids for the next generation of firefighters through VR/AR systems is FAAC vision. Working with leaders in Live-Fire Systems, we bring together the ultimate training solutions for skill-building, knowledge-retention and decision-making, whilst maintaining safety, efficiency, and equipment integrity.



RESPONSE
SITUATIONAL SIMULATOR

RESCUE SITUATION TRAINING

The Response simulator immerses the student into a life-like rescue situational environment working their way through emotionally vivid, branching scenarios to expand their experiential knowledge base. They develop traditional core competencies (procedural, EMS, and medical “soft- skills”), as well as hone their situational awareness and vital decision-making skills.

Response is instructor controlled, with advanced debriefing and scenario developmental tools. Any scenario can be made more intense and challenging (or eased off) at any time, even while running. Afterward, effective debriefing makes it possible to mine each session for every teachable moment and opportunity for improvement.

Powerful Scenario Scripting Tool

- HD Quality Branching Training Scenario Library
- Advance Trainee Action Capture
- Low Light / Flashlight Training
- Optional Scenario Development Software Application

VITALS®

Self-Led and Virtual Instructor

Faced with less training hours, instructor turnover, increasing cost and student technology expectations? Through FAAC VR-L courseware implemented on its 100 and 500 series driver training simulators throughput is increased – Student Self-Led; Training consistency through standardization – Virtual Instructor (VI); and lower costs – less hardware.

FAAC's Self-Led courseware imbeds your lecture into an immersive VR based simulation, resulting in higher training quality, increased knowledge retention and improved student progression. FAAC's VI brings Instructor Standardization and eliminated bias – a well-trained instructor is an invaluable asset, especially when faced with high turnover.

FAAC's VR Experience is most effective when used with actual controls and the student is imbedded in an immersive environment. FAAC's Self-Led/VI course-ware provides basic vehicle skill isolation, EVO procedures and policy understanding, cockpit-workflow and scene-management and safety.

TRAINING THE CONTINUUM

Prepare Next-Generation Firefighters And Emergency Responders for Any Situation

If we want responders to be ready to act under stress, we need to train under stress—real, complex stresses: bad roads, bad weather, bad mains water pressure, panicked drivers, and confused victims.

Training the next generation of Firefighters requires realistic augmented and virtual environments. Improve operational preparedness without the dangers, costs, and time associated with traditional live training. Our fire training simulations are built from the ground up to serve as a foundation for the most realistic training scenarios possible. We are dedicated to the highest fidelity in modeling and simulation technology. Ready to start training? We're prepared to develop your optimal training solution—one that meets your objectives on your terms.

Instructor Development

FAAC's industry-leading Instructor Development Program goes well beyond teaching your instructors on how to use the simulator. Built from years of hands-on practical application training, FAAC transfers that knowledge to your team through its Simulator Instructor Training Courses. The program is designed for both the beginner and the seasoned instructor. Advanced courses offer the integration of your policies and further curriculum development.

FAAC

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