



**CONTINUUM  
OF TRAINING**

# **C**NTINUUM OF TRAINING

**MULTIPLE SIMULATORS, MANY PARTICIPANTS, ONE SCENARIO**



# CONTINUUM

The Continuum of Training 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 2View 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

Flam Trainer prepares the student for fighting fires on the front line, in a safe, controlled environment by an immersive virtual reality simulation, combined with a haptic feedback system, breathing apparatus, and heated personal protective clothing. The student’s ability to apply technique and accuracy are tested during this phase.



## 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.

# **C**NTINUUM PRODUCTS

**SIMULATION TRAINING TOOLS FOR FIRST RESPONDERS**











## DRIVING TRAINING SIMULATORS

Train the operator and officer in one simulator. The 2View Crew Driver Training Simulator provides two separate viewpoints - one for the driver and a different view, geometrically aligned for the second forward officer seat.

### Powerful Scenario Scripting Tool

- Quick-design scenario development
- Complete resource pack
- Recreate accidents for powerful lessons
- Create lesson plan groups

### 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 simulation allows one to teach, train, assess, and evaluate various emergencies. Train teams together in a controllable environment with a flexible, highly realistic simulation solution to train incident commanders and disaster management teams.

First Responders benefit from experiencing incidents in a safe, controllable, repeatable, and measurable environment. inCommand is a powerful tool that helps trainees understand concepts by experience, let's them acquire practical knowledge in a relatively short time frame, practice decision-making skills, and experience situations that rarely occur in real life. Scenario training in inCommand provides trainees with the opportunity to practice complex incidents, apply protocols, and interact in scalable scenarios.









# PUMP OPS SIMULATOR

## 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

- Modular unit built into a free-standing cabinet
- Accurate algorithms representing configurations of pumps, nozzles, hoses, elevations, etc.
- 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







# FLA/M

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# TRAINER

## FIRE CONTROL AND HOSE TRAINING

FLAIM Trainer is a safe, low-cost, and mobile training aid for firefighters, simulating a range of fire events and mimics the scenarios in an immersive 360-degree training experience. FLAIM Trainer provides each user with a realistic experience, in a virtual world, a patented force feedback system mimics a fire nozzle reaction, and a heated jacket provides the feeling of being near a fire.







# 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

## Virtual Instructor Trainee Assessment Learning System

VITALS is an interactive assessment application that records training performance and allows the instructor to forecast student behavior based on results. The instructor can then predict student input and help the student adjust their decision making. VITALS also acts as an interactive playbook for the instructor that helps guide them to train to policy instead of field practice.

### Features of VITALS

- Effective grading and review process
- Record students' every step
- Analyze performance and debrief
- Customize events to agency tolerances
- Policy verification

### AASR - After Action Scenario Review

- Re-play / Re-drive
- Synchronized live video
- Classroom review
- Real-time instructor review





# TRAINING THE CONTINUUM

## **Prepare 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 in a realistic virtual environment improves 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.



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