MOBILE CLASS B TRAILER
For Indiana Department of Homeland Security

Prepared for:

Indiana Department of Administration
Procurement Division
402 W. Washington St., Room W468
Indianapolis, Indiana 46204
Attn: Arthur Sample

Submitted by:
Symtech Fire, LLC
P.O. Box 493
Berkeley Heights, NJ 07922
Bidder ID # 0000064514 EIN # 85-1221218

Bid# - 385-25-79463 Due May 21 @ 3:00 PM

Symtech
Live Fire Simulation Technology

May 20, 2024

Indiana Department of Administration
Procurement Division
402 W. Washington St., Room W468
Indianapolis, Indiana 46204
Attn: Arthur Sample
Submitted via online portal

SUBJECT: CONTRACT NEGOTIATED BID 385-25-79463 FOR MOBILE CLASS B TRAILER

Dear Mr. Sample:

Please find our price bid enclosed for a new Mobile Fire Simulator ST-PRO for The Indiana Department of Homeland Security.   Symtech is registered with the Secretary of State of Indiana, and is currently under contract with the Indiana Department of Homeland Security for Bid 385-24-76608

Symtech specializes in live fire simulation technologies utilizing environmentally friendly propane or natural gas. Our Live Fire Simulator Technology is fully compliant with the NFPA 1402 Standard on Facilities for Fire Training and Associated Props.

We look forward to meeting your fire training needs!

Sincerely,

Jonathan J. Hanson
Managing Director

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1.0 Introduction/Brief Company Overview

Symtech specializes in live fire simulation technologies utilizing environmentally friendly propane. Our Live Fire Simulator Technology is fully compliant with the NFPA 1402 Standard on Facilities for Fire Training and Associated Props. In addition to our LPG-fueled live fire training systems, we offer a full complement of Class "A" training props including Flashover Trainers, Fire Behavior Labs, and Container Buildings. Our service team has the expertise to service both our installations, as well as competitive installations. We also provide annual NFPA 1402 inspections for Symtech or competitive equipment.

Commitment to Excellence…

1.1 Safety

Symtech is committed to the safety of system operators and trainees alike. Our systems are fully compliant with NFPA 1402, which became a standard (*rather than a guide*) beginning in 2019. Unlike older systems, our offerings are designed from the ground up with this new Standard in mind. We utilize the highest quality components available including pilot and main burners systems, valves, and electronics.

1.2 Realism

We are committed to delivering training realism with thermal output, flame sizes, flame variability, and smoke output that leads the fire training systems industry. Environmentally friendly propane and natural gas (*indoors only*) alleviate environmental concerns, while delivering consistent training fires at the push of a button.
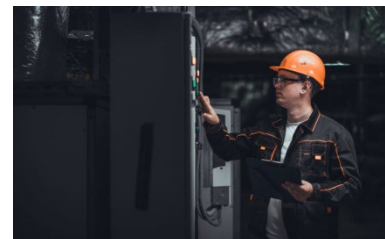
1.3 Customization

Within the parameters of the NFPA 1402 Standard, Symtech provides our customers with the customization and flexibility options they desire. This is imperative to addressing unique challenges that vary from department to department and within SOP's domestically and abroad. We pride ourselves in delivering timely custom solutions on time and under budget.

1.4 Service

Service is an essential component in what we do as a company. It is not a profit center, but rather, it is a vital element in achieving our mission of enabling AHJ's to deliver life-saving training when it's needed most. We not only stock vital system components to ensure their availability on short notice, but we also offer turnkey service and maintenance.
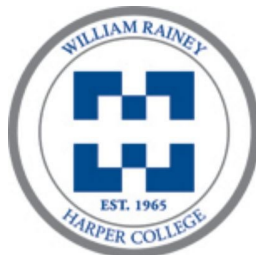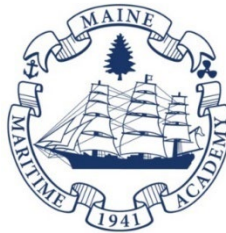
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Why Select Symtech Fire?

- Symtech offers the only system **designed from the ground** up precisely **to the new NFPA 1402 Standard** on Facilities for Fire Training and Associated Props. We meet every aspect of the Standard without exception.

- **Unparalleled Design, Engineering & Project Team** with experience from all major industry players. There is no stronger personnel team in the industry!

- Continuous family experience in fire training systems **dating back to 1979 (over 40 years!)… longer than any other supplier!**

- All products proudly **100% Made in the USA**

- **Unparalleled Interior/Structural Fire Simulator** features list. Next generation extension options with our ST-PRO Platform.

- **Experts in Value Engineering**. We consistently delivery cutting-edge solutions to maximize your training value for your set budget.

- **World-Class Outdoor & Industrial Props**. Competitor A has pilot proving and Wireless controls, but only single stage (vapor OR liquid fires). Competitor B has two-stage vapor and liquid fires, but no pilot proving and Wireless is an expensive option. What if one company had it all? That's Symtech.

- **Fully Integrated Sound Systems** for increased realism. Developed for Bentonville Fire Department and FDNY for their newest live fire training simulators. Now standard on all installations!

- **The Most Reliable Pilot and Burner System Money Can Buy**. Maximize fire ground efficiency with our proven, reliable ionization method for pilot proving. Eliminate waiting / cool-down periods and maintenance associated with less reliable thermocouple and ultra-violet mini-peeper proving systems.

- **Next Gen Wireless Controls**. With "G-shock" detection, built-in e-stop and "deadman," and wireless recharging all standard

- Symtech was **selected as the default supplier of Gas Fired Props to Fire Facilities, Inc**. Symtech was selected based on a combination of technical features, cost effectiveness and system reliability. Symtech now boasts the only system signed and approved in writing for installation in Fire Facilities, Inc. Training Towers. This includes agreed and documented methodologies regarding penetration openings, thermocouple tie-ins, and more. This ensures a fully integrated, seamless solution.

- **Low-Cost Service**. Our service exists to maximize _your_ value not ours! We pride ourselves in keeping service low-cost, reliable, and on-time.

- **Major Customers and Academies are Selecting Symtech** including FDNY, Dallas, Bentonville, Maine Maritime Academy, Sarasota County and many more!

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Symtech
Live Fire Simulation Technology

MAJOR CUSTOMERS AND ACADEMIES CONTINUE TO SELECT SYMTECH
BASED ON TECHNICAL MERITS, SYSTEM FEATURES, SERVICEABILITY, AFFORDABLE MAINTENANCE, AND EXPERIENCE!

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Item	Description	Price (USD)
1	**Mobile Structural Fire Simulator ST-PRO** **Mobile Training Trailer** ▪ Two-Story 53-ft Mobile Training Unit w/ Smooth Exterior Finish ▪ IDHS Graphics Package ▪ US-DOT Compliant Trailer Chassis ▪ Forward Landing Gear ▪ Dual Rear Axles with Aluminum Wheels ▪ Observation Viewing Window ▪ 240-Gal On-Board LPG Supply System ▪ 12kW Triple-Fuel On-Board Power Generator ▪ Bar Grating Roof Deck w/ Safety Rails and Vertical Ladder ▪ Pitched Roof Ventilation Prop w/ 4'x8' Chopout Area and Attic Truss Prop ▪ 36" x 36" Confined Space Rooftop Hatch ▪ Sprinkler and Standpipe System ▪ Low light / high temperature camera system ▪ Marine Quick Acting Water Tight Door ▪ Marine 'doggie door' opening with cover ▪ Marine porthole ▪ Interior "Basement" Staircase ▪ (2) Training Doors and (2) Training Windows ▪ (7) Movable Walls and (1) Movable Door ▪ Exterior Lighting ▪ Rear Exterior Staircase to Roof **Live Fire Training Equipment** ▪ (2) Durable LPG Live Fire Simulator Burn Platforms ▪ Fixed Kitchen Stove Prop ▪ Interchangeable Burn Prop w/ Interchangeable Bed, Clothes Dryer, and Boiler mockups ▪ (1) Ceiling Rollover Fire Simulator ▪ Stainless Steel Pilot Ignition Systems (using Highly Reliable Ionization Method) ▪ Designed For Maintenance (DFM) ▪ 2,300° Thermal Lining System ▪ 70,000 CFM Integrated Smoke Generation System (2 output ports) ▪ Fully Integrated Sound Generation System **Industrial Controls** ▪ Touchpanel Operator Interface ▪ PLC-Computer Controls & Wireless Remote ▪ Variable Flame Control ▪ Audible Fault Alarm ▪ Data Recording **Safety Systems** ▪ 3rd Party Certification by an OSHA-recognized NRTL ▪ Monitored & Interlocked Fail-safe Pilot	593,600

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- Fail-safe Valves
- Infrared (IR) Gas Detection System
- Temperature Monitoring System
- Integrated Ventilation / Exhaust System
- Full Compliance with the Latest Edition of NFPA 1402 (*2019 ed.*)

Additional Items Included
- Rear Exterior Staircase to Roof (in lieu of vertical ladder)
- 36"x36" Confined Space Rooftop Hatch
- Forcible Entry & Wall Breach Wall
- Standpipe & Sprinkler System
- Fully Integrated Sound System
- Low Light / High temp Camera System (3 Cameras)
- Marine Quick-Acting Watertight Door (QAWTD)
- Marine "Doggie Door" Opening w/ Cover
- Marine Porthole
- Quiet Diesel Generator
- Aluminum Wheels
- Freight
- Graphic Allowance for IDHS branding on trailer
- Steel Sign Boards
- Exterior Lighting

Logistics & Support
- Initial 5 Gallon supply of smoke fluid
- 8-hour Operation & Maintenance Training Course, up to (10) Students as required
- Electronic Operation & Maintenance Manuals
- Technical Phone Support for the Life of the Product
- Delivery to Indiana

Terms & Conditions:
Prices valid through 180 days of submittal
Manufacturing Lead Time: 240 Days.
Payment Terms: 30% on Order, 20% on Completion of Design Drawings, 30% on Shipment, 20% on Completion.
Net 10 days.
1-Year Industry Standard Warranty. Unlimited Technical Phone Support for the Life of the Product.
Subject to Symtech Standard Terms & Conditions.

Inclusions:
Burn Room Equipment Control Rack
Main Touchpanel Interface
Ventilation Fan incl. Control Electronics
NFPA-Compliant Safety Systems
Initial (5) Gallon Supply of Smoke Fluid.
3-Day Operator's Training Course
Propane fill for training.

Exclusions:
Payment/performance bond, taxes, duties, permits, local licenses and any misc. fees, if applicable.
Propane fill for training.

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3.0   Graphical Representation of Offer

3.1   Training Objectives

Training Objectives: System training capabilities include, but are not limited to:
- Flashover recognition and tactics for suppression
- Direct and indirect fire attack
- Interior fire attack
- Exterior fire attack
- Extension fire control
- Search and rescue in low or limited visibility environments
- Tactics and strategies
- Fire suppression techniques
- Class A/B/C/K fire types
- Flow path management
- Hydraulic ventilation
- Overhaul
- Scene assessment
- Situational awareness

3.2 Trailer Details

The overall length of the trailer shall be 53' with the height and width in compliance with Indiana Department of Transportation. The chassis shall be compliant with Department of Transportation (DOT) requirements including all DOT required lighting and markings.

All DOT lighting shall be LED lighting. Reflective markings shall extend along the bottom of the chassis running the full length of both sides of the chassis and along the full width of the rear of the chassis.

The trailer shall also include two speed landing jacks along with manual back up and front to back and side to side level indicators.

During transportation, the propane storage cylinders should not go over the limit that requires a Hazardous Materials endorsement. The location and ventilation flow of the storage cylinders shall be designed to prevent buildup of propane in the enclosed space. All cylinders shall be able to be serviced via a bulk propane delivery service without having to be removed.

3.3 Onboard Electrical Systems

The Mobile Class B Training Unit shall have an electrical system integrated into the unit. This system shall have the ability to operate all the electrical components required at any one time. The electrical generation equipment shall utilize the on-board propane as its fuel source. Provisions shall be included that allow users to connect to 240 V shore power allowing components to operate without the need to run the generator.

3.4 Trailer Exterior

The exterior of the Mobile Class B Training unit shall be painted Indiana state flag blue. The windows shall be painted yellow to also match the Indiana state flag.

Two (2) 4'(High) x 8'(Wide) painted steel signboards shall be provided. These signboards shall be displayed prominently on each side of the unit. Each signboard shall include the Indiana Fire & Public Safety Academy seal and the text "Mobile Class B Training Unit". Two (2) 3'(High) x 2'(Wide) painted steel signboards shall be provided. The signboards shall be displayed prominently on each end of the unit. The signboard will include the seal of the Indiana Fire & Public Safety Academy.

Exterior lighting shall be placed on the corners of the unit to supplement poor natural lighting.

3.5 Mobile Class B Trailer Overview

1.   Mobile Training Trailer

- •   Two-Story 53-ft Mobile Training Unit w/ Smooth Exterior Finish
- •   US-DOT Compliant Trailer Chassis
- •   Forward Landing Gear
- •   Dual Rear Axles with Steel Wheels
- •   Observation Viewing Window
- •   240-Gal On-Board LPG Supply System
- •   12kW Triple-Fuel On-Board Power Generator
- •   Bar Grating Roof Deck w/ Safety Rails and Vertical Ladder
- •   Pitched Roof Ventilation Prop w/ 4'x8' Chopout Area and Attic Truss Prop
- •   Interior "Basement" Staircase
- •   (2) Training Doors and (2) Training Windows
- •   (7) Movable Walls and (1) Movable Door

2.   Live Fire Training Equipment:

- •   (2) Durable LPG Live Fire Simulator Burn Platforms
- •   Fixed Kitchen Stove Prop
- •   Interchangeable Burn Prop w/ Interchangeable Bed, Clothes Dryer, and Boiler mockups
- •   (1) Ceiling Rollover Fire Simulator
- •   Stainless Steel Pilot Ignition Systems (using Highly Reliable Ionization Method)
- •   Designed For Maintenance (DFM)
- •   2,300° Thermal Lining System
- •   70,000 CFM Integrated Smoke Generation System (2 output ports)
- •   Fully Integrated Sound Generation System

3.   Industrial Controls:

- •   Touch panel Operator Interface
- •   PLC-Computer Controls & Wireless Remote
- •   Variable Flame Control

- Audible Fault Alarm
- Data Recording

4. Safety Systems:

- 3rd Party Certification by an OSHA-recognized NRTL
- Monitored & Interlocked Fail-safe Pilot
- Fail-safe Valves
- Infrared (IR) Gas Detection System
- Temperature Monitoring System
- Integrated Ventilation / Exhaust System
- Full Compliance with the Latest Edition of NFPA 1402 (2019 ed.)

5. Logistics & Support:

- 8-hour Operation & Maintenance Training Course, up to (10) Students
- Electronic Operation & Maintenance Manuals
- Technical Phone Support for the Life of the Product

6. Additional Items Included

- Rear Exterior Staircase to Roof (in lieu of vertical ladder)
- 36"x36" Confined Space Rooftop Hatch
- Forcible Entry & Wall Breach Wall
- Standpipe & Sprinkler System
- Fully Integrated Sound System
- Low Light / High temp Camera System (3 Cameras)
- Marine Quick-Acting Watertight Door (QAWTD)
- Marine "Doggie Door" Opening w/ Cover
- Marine Porthole
- Quiet Diesel Generator
- Aluminum Wheels
- Freight
- Graphic Allowance for IDHS branding on trailer.

System Overview

Code Compliance

- ➢ NFPA 54 – National Fuel Gas Code
- ➢ NFPA 58 – LP Gas Code
- ➢ NFPA 1402 – Standard on Facilities for Fire Training and Associated Props (2019 edition)
- ➢ NFPA 1403 – Standard on Live Fire Training Evolutions (2018 edition)

Burner Design

Capable of burning with both wet and dry burn pans will allow CDN Coast Guard to utilize in all climates.

Wireless Control Pendant

- Controls Flame ON/OFF, Flame Height, Smoke ad Manual Exhaust (if desired)
- Interactive LED's for System Status
- Operator Presence/"Deadman" Feature
- E-Stop Included
- G-Force Shock Detection
- Wireless Re-Charging (no batteries!)

Safety Systems

- Industrial PLC-Computer Controls
- Safe Start Check & Constant Monitoring of all Devices
- Monitored & Interlocked - Pilot Ignition System
- Interlocked Gas Safety Shutoff Valves - Main Burners
- Industrial Flame/Combustion Safeguards Controls
- Infrared (IR) Gas Detection System
- High Temperature Monitoring System
- Integrated Ventilation / Exhaust System
- Hard-wired Emergency Stop Switches
- Touch-panel Operator Interface Controls
- Wireless Controls with Operator "Deadman" Switch
- Audible Fault Alarm

3.6   Flame Control Panels (FCP's)

All Symtech Structural Fire Simulator ST and ST-PRO systems utilize a Flame Control Panel (FCP) with 15" full color touchpanel. Each FCP controls up to three (3) burn room equipment sets inclusive of main prop control, smoke, ventilation, safety instrumentation, and all flashovers and fire extensions.

3.7   System Features and Components

A. The system includes a programmable logic controller (PLC) for each prop equipment room. The PLC monitors all safety devices and operational controls while recording and archiving message logs and event data. The PLC is programmed to place the system in fail safe shut down in the event of safety device activation, manual E-stop depressed or system inaccuracy.

B. The burn props are constructed of corrosion resistant steel. The props are factory tested prior to delivery. Each burner includes an inextinguishable pilot and burner system. The Owner may choose between steel, Cor-Ten, or Stainless for their mockups. A Stainless steel water containment assembly is included inside each prop. Stainless is not recommended for the prop facades due to its poor thermal properties with direct flame impingement.

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Stove Fire Simulator ST   *Stove Fire Simulator ST—PRO*

Interchangeable Platform w/ Clothes Dryer Prop   *Interchangeable Platform w/ Boiler/Water Heater Prop*

The system includes a smoke generation machine capable of up to 70,000 cfm distribution minimum. The smoke generation system is operated from the wireless or HMI (Human-Machine Interface) touch panel screen. The unit provides the operator the ability to vary discharge duration and intervals between cycles from the main control unit without the use of any external equipment.

Dedicated 70,00 cfm Smoke Machine
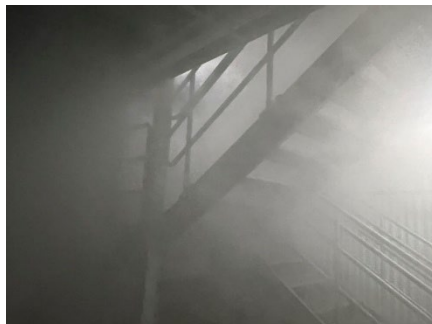
Symtech smoke systems do not require propellants such as nitrogen.

C. The system includes a drawn-sample gas detection unit that is based on infrared absorption principle. Catalytic bead and/or static (non-drawn sample) type gas detection units are not

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recommended. The sensor is temperature compensated and able to operate within an ambient temperature range of -40°F to 150°F and within ambient humidity conditions of 0 to 100%. Optics and electronics are hermetically sealed.

1. The gas detection units verify a safe atmosphere within the burn room prior to and during all burn operations. The system verifies a safe atmosphere prior to system operation. These units are interlocked with additional safety features.
2. The gas concentration levels are constantly displayed on the HMI (Human-Machine Interface) touch panel screen.
3. The system is preset to a 10% LEL warning level and 25% LEL alarm and shut down. A purge cycle activates automatically. The gas monitoring unit features are interlocked to gas delivery
   and exhaust fan systems. An audible and visual alarm is activated during all elevated LEL conditions.
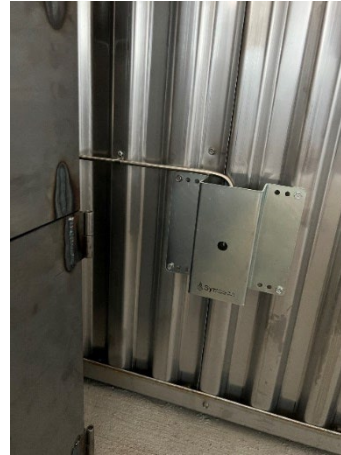
D. Constant temperature monitoring exists whenever power is supplied to the system. Temperature sensors are located 60 inches above the finish floor level and initiate warning and automatic compartment ventilation at predetermined levels within the High Limit Temperature Controller.

1. Training room temperature activation occurs when the room temperature reaches 450°F 60-inches above the floor level. The system activates the ventilation system and display on the HMI (Human-Machine Interface) touch panel screen displays a color indicator that represents to the operator that an over temperature shut down is approaching.
2. Training room temperature shutdown occurs when the room temperature reaches 500°F 60-inches above the floor level. The systems activate an emergency shutdown. All gas delivery system functions and smoke machine operation then ceases. A full cycle purge then activates automatically through interlocks in the safety system and provides compartment ventilation until the temperature is reduced below the warning point.

E. The system includes an exhaust ventilation system. The exhaust system is designed to remove heat and by products of combustion from the training environment. The system design provides for a compartment air exchange every 60 seconds. The system is programmed such that upon start-up of the equipment, the facility begins to exchange air and establish a safe training environment. Upon a system safety fault (over temperature, high gas level, system malfunction status) or manual activation of an emergency stop, automatic activation of the exhaust system initiates. The

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purge cycle continues until predetermined safety levels have been reached and reset. Safety reset parameters ensure that a complete air exchange is provided prior to reactivation of the training equipment. This system includes variable speed fan controls. The ventilation system is interlocked with the fire generation control system so that a failure of the ventilation system inhibits the operation of the main burners of the related burn props in the space that the ventilation system serves. The exhaust ventilation system is monitored for operation using an airflow sensor or other method of ensuring that a failure of the exhaust ventilation system is sensed by the fire generation control system.

F. The system includes forced combustion air for each training fire. Combustion air shall be brought in from outside of the burn room. Combustion airflow or pressure is proven and interlocked with the safety shutoff valves so that fuel gas cannot be admitted prior to establishment of combustion air and so that the gas is shut off in the event of combustion air failure

G. The system includes a high gas pressure sensor that is interlocked into the trainer control system and results in an automatic safety shutdown if high gas pressure is detected.

H. Independent constant monitoring of flame propagation at each pilot burner is supplied using a highly reliable ionization method. Thermocouple pilot proving is not recommended due to cool-down waiting periods. UV sensors are not recommended due to carbon built up and maintenance requirements. The pilot burner is designed to be inextinguishable. In the event that there is a failure of adequate pilot flame production, the fuel delivery system and all inline safety valves, close. Display status messaging activate on the HMI (Human-Machine Interface) touch panel screen. Pilot verification is completed through an ionization method (using flame rod technology). The system does not rely on thermocouple or ultraviolet sensors for pilot flame verification.

I. Optional rollover simulators (if included) are piloted independently for safety and independent operation using the same highly reliable ionization method. Rollovers may be in a burn room or in an adjacent hallway. Some manufacturers refer to these as "Flashover" simulators. The effect simulates a ceiling rollover, the predecessor even to a Flashover event.

Ceiling Rollover Fire Simulator ST

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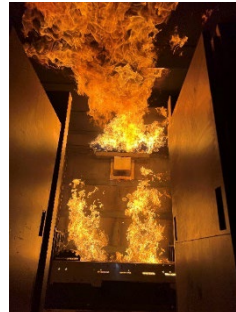
J. The fuel delivery system is installed within an approved cabinet. The fuel delivery system is equipped with fail-safe, safety shutoff valves that are UL listed and FM approved for gas use. All gas pipe installation is compliant with NFPA 54 and 58. The fuel delivery system utilizes stainless steel piping.

K. All electronic components are UL listed for the application in which they are utilized. Control panels are designed, manufactured and certified to UL 508A compliancy. The NEC (NFPA 70) is utilized for all electrical installations.

L. All live fire props are controlled via Wireless Remote Pendant Controller. The controller includes the following operational and safety features:
- Deadman Activation
- Emergency off
- Fire enable
- Independent pilot burner flame activation
- Independent main burner flame intensity control
- Smoke Generation
- System Reset
- Recharge batteries
- Wireless charging
- G-Force shock detection with disable
- LED lights that indicate status such as low battery

M. The system includes multiple levels of operator password protection. Each level provides varied levels of operator access. The system administrator level allows access by the fire agency to create and assign training officers to the varied levels of system operation.

N. The system includes data tracking and system monitoring of all system functions. Functions stored include operator commands as well as PLC functions and safety device inputs. Recording of data includes password logging, event messaging, system messaging, alarm messaging, operator display notes, run timers and counters and fault counters. All operation events are stored for retrieval. The information is stored in the hard drive of the operating system in addition to a compact flash card that can be removed for data retrieval. The information is viewable from the main operator control screen at any time by selecting the appropriate icon on the 15" color touchpanel interface. Information is tracked by time, date, event, and action. Each log is designated by a number for file retrieval. The system integrates the data tracking within the industrial operating system and does not require the use of additional external equipment for data removal, viewing or storage.

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O. The operating system has remote access capabilities. Symtech includes a remote diagnostic program for internet servicing and system upgrades as they are available.

P. Walls and ceilings within burn rooms and areas shall be protected with high temperature lining systems (provided by others). Thermal lining is rated to withstand temperatures in excess of 2000˚F
and thermal shock from the continuous heating and cooling typically found in live fire training exercises. Symtech provided input on required lining extents as required and upon request.

Q. Training fires and effect fires are instructor controlled. The control system, however automatically monitors all trainer safety systems, and stops all training fires and begins building ventilation as appropriate for the specific safety system alarm or malfunction.

R. The system includes an audible fault alarm to signal to the operator that a system error has occurred. System error messages are visible on the main system control panel.

3.8 Safety Systems & Failsafe Devices

Symtech Structural Fire Simulators include the following fully integrated safety devices:

- Industrial PLC-Computer Controls
- Monitored & Interlocked - Pilot Ignition System
- Interlocked Gas Safety Shutoff Valves - Main Burners
- Industrial Flame/Combustion Safeguards Controls
- Infrared (IR) Gas Detection System
- High Temperature Monitoring System
- Integrated Ventilation / Exhaust System
- Hard-wired Emergency Stop Switches
- Touch-panel Operator Interface Controls
- Wireless Controls with Operator "Deadman" Switch
- Audible Fault Alarm

Symtech uses intermitted pilots that feature a highly reliable ionization method. An intermittent pilot is a pilot that burns during light-off and while the main burner is firing. An interrupted pilot is a pilot that is ignited and burns during light-off and is automatically shut off at the end of the trial-for-ignition period of the main burner(s).

Interior systems incorporate a trial for ignition period. A trial for ignition period is the interval of time during light-off that a combustion safeguard allows the fuel safety shutoff valve to remain open before the flame detector is required to supervise the flame.

A flame detector senses the presence or absence of flames. A safety interlock ensures the safe startup, operation, and shutdown of fire simulator equipment. A compliant system monitors the presence of a pilot and does not allow for the main gas valve(s) to open without a confirmed pilot.

NFPA 1402 does address flame spreads/extension fires. For exterior systems, per NFPA 1402, at least one main burner must be ignited by the pilot ignition source. Adjacent burners (such as flame

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spreads/extensions fires) may ignited by other main burners. For interior systems, all main burners must be ignited directly from a monitored and confirmed pilot flame.

3.9   Keyed On /Off Switch

All interior systems are equipped with key switches for preventing unauthorized operation. Failure of the key switch inhibits the operation of the entire system.

3.10   PLC Controller (Programmable Logic Controller)

All interior systems are equipped with a PLC controller which manages and monitors all aspects of the flame control system and verifies the state of all other safety related components. Any improper state of a safety component, or a failure to detect a change in state as applicable, results in a full shutdown of the flame system. Failure of the PLC controller inhibits the operation of the entire system.

3.11   Safe Start Check

All props are equipped with Safe Start Check feature, the control system is designed to constantly monitor all safety systems for satisfactory operation prior to a live fire initiation. No safety devices can be removed or rendered ineffective. Failure or tampering of any safety component inhibits the operation of the related coverage of the system.

3.12   Operator Present Capability

All wireless and wired systems are equipped with an operator presence (or "*deadman*") switch for every fire prop. This feature initiates a full shutdown of training fires if the operator presence signal ceases for any reason and at any time. Systems that can be bypassed (e.g., a brick or weight on a foot pedal or a latching button on a wireless remote) are not compliant. Failure of the switch inhibits the operation of live fire initiation within the related area of coverage of the failed component.

3.13   Combustible Gas Detection System

All interior systems are equipped with combustible LEL gas detection devices, the sensing devices are located within all live fire training structure environments and equipment spaces where the possibility exists for a potentially explosive atmosphere

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due to the accumulation of unburnt gases. The gas detection system is designed to operate continuously during all live fire training activities and when not in use. The sensing devices are mounted in the airflow path between the live fire training prop (s) and ventilation outlets where they are most likely to detect gas concentrations.

An LEL alarm occurs when any gas monitor detects combustible gas levels of 25% LEL or higher, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in addition simultaneously activating the high capacity forced air ventilation system & audible alarm. Furthermore, in addition to disabling the fire system, with the activation of any LEL alarm the PLC controller can alert the facilities center of the potential hazard condition. The ventilation operation will continue until the measured LEL falls below 5%. To reset the system, manual measures by an operator are required. Failure of the gas detection system inhibits the operation of the live fire initiation within the related area of coverage of the failed component.

3.14 Temperature Monitoring System

All interior systems are equipped with temperature monitoring devices, the sensing devices are located within all live fire training structure environments, to avoid injuries and equipment damage. The temperature system is designed to operate continuously during all live fire training activities and when not in use. The measuring devices are mounted at a level of 5 ft (1.5 m) above finished floor (AFF) at a location between the live fire training prop (s), first point of ventilation and where operator (s) are expected to frequent.

A high or low temperature shutdown occurs when temperatures of a training environment reach the lower of 500°F (260°C) or 50°F (10°C) beyond the temperature limits of PPE (personal protective equipment) utilized by the operator (s). Upon activation of a temperature shutdown, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in addition simultaneously activating the high capacity forced air ventilation system & audible alarm. The ventilation operation will continue until the measured temperature falls below 400°F (204.4°C). To reset the system, manual measures by an operator are required. Failure of the temperature monitoring system inhibits the live fire initiation within the related area of coverage of the failed component.

3.15 Exhaust Ventilation System

All interior systems are equipped with a high capacity exhaust ventilation fan, the device extracts heat, artificial smoke, and unburned gases. The electrical motor is rated for continuous high temperature operation and is suitable for the environment in which it is intended to operate. The air movement capacity is engineered to when operating at high speed provides a minimum of one air change per minute within the related live fire training space(s). Failure of the ventilation system inhibits the operation of live fire initiation within the related area of coverage of the failed component.

3.16 Exhaust Ventilation Air Flow Proving

All exhaust ventilation fans are equipped with air proving devices. The sensing device continuously monitors the operation of the fan (s). If inadequate and/or no airflow is sensed at any time, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in

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addition simultaneously activating the high capacity forced air ventilation system & audible alarm. Failure of the sensing device inhibits the operation of live fire initiation within the related area of coverage of the failed component.

3.17 Pilot Ignition Combustion Fan Air Flow Proving

All systems are equipped with combustion fan air proving devices. The sensing device continuously monitors the operation of the fan (s). If inadequate and/or no airflow is sensed at any time, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in addition simultaneously activating the high capacity forced air ventilation system & audible alarm. Failure of the sensing device inhibits the operation of live fire initiation within the related area of coverage of the failed component.

3.18 Pilot Ignition Flame Detection System

All systems are equipped with Pilot Flame proving devices. The sensing device continuously monitors the presence of an ignition source when a flame is expected to be present. Once an ignition source has been detected the combustion safeguard allows the main burner solenoid valves to open. If the Pilot burner flame is not detected within 3 seconds, the combustion flame guard control disables all power to the gas safety shutoff valves stopping the flow of gas to the affected burners.

A Pilot fault condition typically occurs when gas is not present or the spark generating device (provides ignition energy to light off the burner) has failed or the flame proving device has failed. In a Pilot fault condition, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in addition simultaneously activating the high capacity forced air ventilation system & audible alarm. Failure of the proving device noted above inhibits the operation of live fire initiation for the prop related to the failed component.

3.19 Emergency Stops

All interior systems are equipped with at least one hard wired emergency (e-stop) device, the safety devices are located within the live fire training environments and equipment spaces to initiate a safety shutdown. The devices are mounted at a level of 4 ft (1.2 m) above finished floor (AFF) at every entry point of a burn room. The device is rated for high temperature operation and is suitable for the environment in which its intended to operate.

An (e-stop) alarm occurs when any safety device is manually activated at any time, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in addition simultaneously activating the high capacity forced air ventilation system & audible alarm. The ventilation operation continues until the initiating e-stop event is cleared.
To reset the system, manual measures by an operator are required.

3.20 Combustion Safeguard

All systems are equipped with a combustion safeguard controller for each prop. The safety device responds to the presence or absence of flame properties using one or more flame detectors and

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provides safe start-up, safe operation, and safe shutdown of a burner under normal and abnormal conditions.

A Pilot fault condition typically occurs when gas is not present or the spark generating device (provides ignition energy to light off the burner) has failed or the flame proving device has failed. In a Pilot fault

condition, the PLC controller is programmed to initiate a complete shutdown of all training fires in the affected spaces, in addition simultaneously activating the high capacity forced air ventilation system & audible alarm. Failure of the proving device noted above inhibits the operation of live fire initiation for the prop related to the failed component.

3.21   Gas Safety Shutoff Valves

All burners systems (pilot/main burners) are separately equipped with two (redundant) safety fuel gas shutoff valves, the valve components materials have been selected for the compatibility of the fuel handled and for the operating conditions. The valves are piped in series and automatically shut off the fuel to the burners in each of the following events.
(1) Interruption of electrical power
(2) Activation of any interlocking safety devices
(3) Activation of the combustion safeguard
(4) Failure of the operational controls
(5) Activation of manual shutdown stations

3.22   Sound Generation Systems

Speakers are durable, water-proof, and covered with a protective steel shield to avoid ripping/tearing with hose lines or other fire department tools.

Symtech Sound Generation System Features:
- Enhanced Realism
- Controllable from Wireless Remote
- Search & Rescue Sounds
- Waterproof Speakers
- Steel Protective Covers

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REFERENCE PHOTOS
FOR FIRE TRAINING EQUIPMENT

Stove Fire Simulator ST

Stove Fire Simulator ST—PRO

Interchangeable Platform w/ Clothes Dryer Prop

Interchangeable Platform w/ Boiler/Water Heater Prop

`

Mobile Structural Fire Simulator ST-PRO

Two-Story Mobile Fire Simulator w/ Retractable 2nd-Story Room

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Mobile Structural Fire Simulator ST-PRO
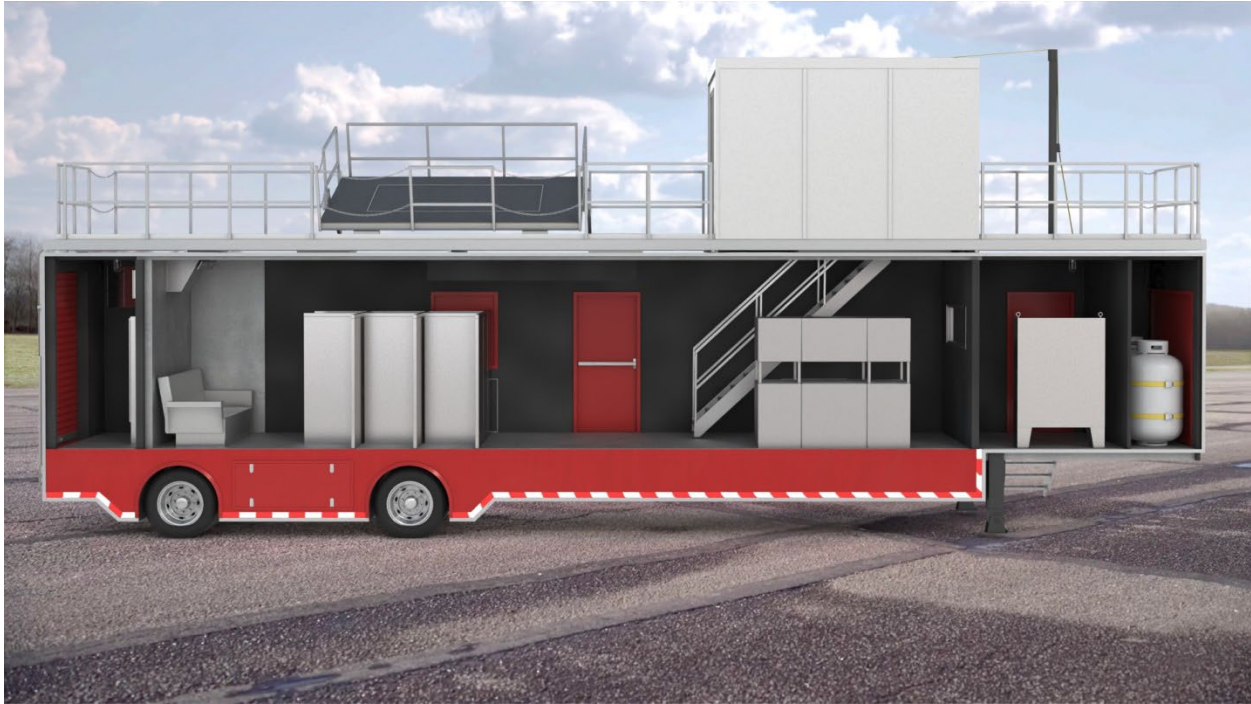
Mobile Fire Simulator Interior Layout

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Mobile Structural Fire Simulator ST-PRO

Mobile Structural Fire Simulator ST-PRO

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4.0   Experience & Qualifications

Symtech personnel has experience in more than 300 Fire Training Facility Projects, including management of more than $140M worth of projects. Our team has completed projects in more than 35 Countries including on the Continents of North America, South America, Europe, Africa, Australia and Asia. Symtech has been selected by the following major departments/organizations for the design, supply, installation, and maintenance of their fire training equipment:

MUNICIPAL:
- Bentonville Fire Department, AR (3x Customer)
- CAL Fire, CA (6 Training Units)
- Riverside Fire Department, CA
- Fort Morgan Fire Department, CO
- Southeast Weld Fire Protection Dist., CO
- Sarasota County Fire Academy, FL
- Burke County Fire Academy, GA
- DeKalb County Fire Rescue, GA
- Hall County Fire & Rescue, GA (2x Customer)
- Terre Haute Fire Department, IN
- Barnstable County Fire Academy, MA
- Maine Fire Service Training Institute, ME
- Maine Maritime Academy, ME
- MO Dept. of Public Safety, MO
- Gloucester County Fire Academy, NJ
- Ocean County Fire Academy, NJ
- Fire Department of New York (FDNY), NY
- Great Neck Alert Fire Company, NY
- Lakewood Fire Department, NY
- Findlay Fire Department, OH
- Marietta Fire Department, OH
- Skyview Vol. Fire Company, PA
- Bristol Fire Department, RI
- Chattanooga Fire Department, TN
- Clarksville Fire Department, TN
- Fairview Fire Department, TN
- Maryville Fire Department, TN

- Montgomery County PSTA, TN
- TN Fire & Code Enforcement Academy, TN
- White House Community Fire Department, TN
- Dallas Fire Department, TX
- Houston Community VFD, TX
- Jasper County Fire Department, TX
- Round Rock Fire Department, TX
- San Marcos Fire Department, TX
- Spokane Valley Fire Department, WA
- Yakima County Fire Academy, WA
- Pemberton Fire Rescue, BC, Canada

COLLEGES/SCHOOL DISTRICTS:
- University of Alaska Southeast, AK
- College of Western Idaho, ID
- Harper College, IL
- Caldwell Community College, NC
- Greenville School District, SC
- Austin Community College, TX
- Spokane Community College, WA
- Waukesha Technical College, WI
- Moraine Technical College, WI
- Hanoi Fire Fighting College, Vietnam

MILITARY/DEPARTMENT OF DEFENSE:
- U.S Naval Support Activity Bahrain (2x Customer)
- U.S. Army Garrisons Vicenza Italy
- U.S. Naval Air Station Naples Italy
- U.S. Naval Air Station Key West, FL

SIMPLY PUT, THERE HAS NEVER BEEN A STRONGER PERSONNEL TEAM ASSEMBLED IN THE FIRE TRAINING SYSTEMS INDUSTRY!

Our personnel has extensive experience in fire training system design, manufacturing, installation, service and maintenance. Unlike competitors who outsource programming, Symtech has a systems programmer on staff. We also employ a lead Flame Control Panel (FCP) Electrical Fabricator.

Symtech has two licensed Professional Engineers (PE's) on our team as well.

Multiple Symtech personnel, including Jon Hanson and Byron Charbonneau, have

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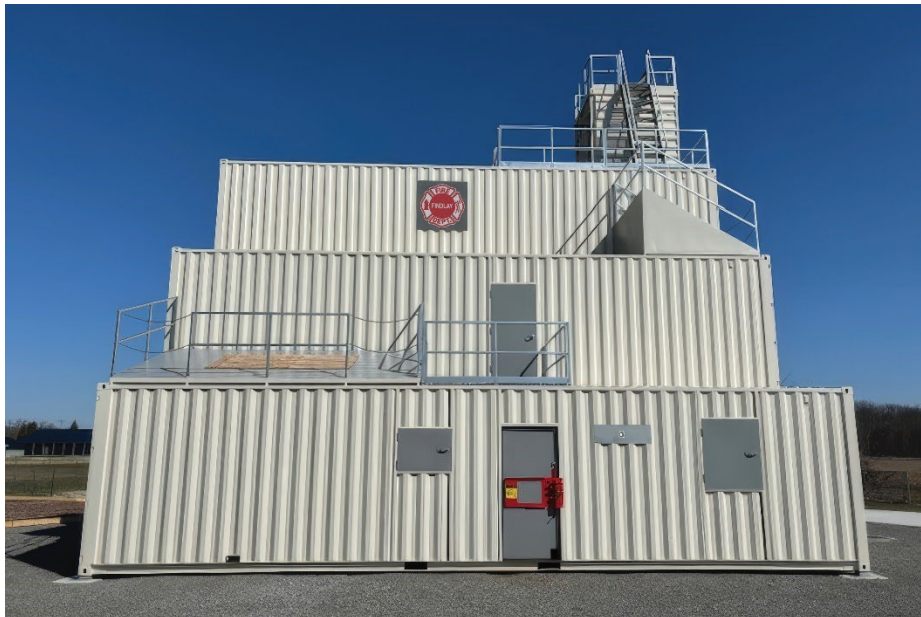*Page 27 of 64*

participated in and/or remain active in the NFPA Committee on Fire Service Training.

Symtech personnel has worked in prior capacities conducting 3rd-party inspections of all major industry competitors. This lends a unique view into code compliance, compliance misses, and best practices. Our team holds a variety of Bachelor and Master's degrees in Management, Mechanical Engineering, Electrical Engineering, Construction and Project Management. Lastly, we have extensive firefighting experience in the US, Canada, and New Zealand. Every system design must pass our own rigorous standards for training value, realism, and durability prior to even being presented to an Owner/End-User.

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Customer Highlight: Findlay Fire Department, OH

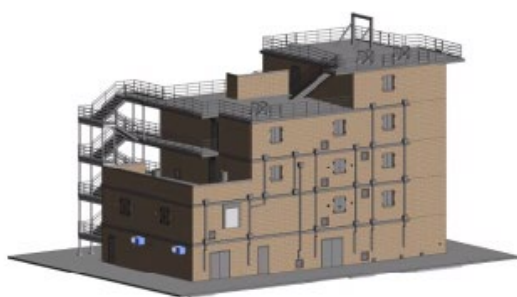**Findlay Fire Department (*"Flag City USA"*) Selects Symtech!**

- 3-Story Container Fire Simulator

- 4-Story Elevator Shaft w/ Mock Elevator Doors

- State-of-the-Art Facility with Multiple Class "A" Burn Rooms and Advanced Features, Including:
  - (3) Class "A" Burn Rooms
  - 2,300° F (1,260° C) Thermal Lining System
  - (2) Real-Vent™ Pitched Roof Props
  - Wall Breach Panel
  - Forcible Entry Door
  - Varied Angle Rebar Cutting Prop
  - Standpipe System w/ FDC
  - Multi-Use Rappell Station
  - Multiple 10,000 lb. D-Rings for Bailout Drills

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Customer Highlight: Sarasota County Fire Department, FL

Sarasota County Selects Symtech for the Largest Gas Prop Building Project Ever Constructed!

- 30-Acre State-of-the-Art Fire & EMS Facility

- Master Plan Includes More Gas-Fueled Fires in a Single Burn Building than Any Facility Previously Built!

- State-of-the-Art Facility with Multiple Gas Fueled Fire Scenarios and Advanced Features, Including:
    - Tower and Strip Mall Burn Buildings
    - Up to (33) Gas-Fueled Interior Fires
    - Window and Balcony Fires for Scene Assessment
    - Mobile SUV, LPG Tank, and Dumpster Props
    - 1,600 sq. ft. Fuel Spill
    - 70,000 cfm Smoke Machines
    - Sound Generation System
    - Symtech Continuity Protect for 10 Years®

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Customer Highlight: Fire Department of New York (FDNY)

FDNY (_the largest Fire Department in the United States – a 35-Year Prop User_) Selects Symtech!
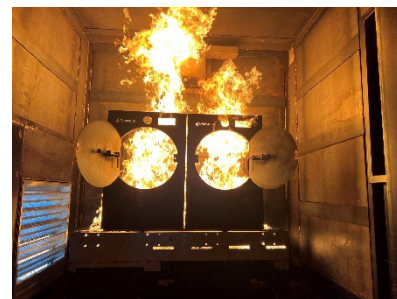
- Pre-Engineering Container Training Simulator Facility
    - Window Bailout Prop
    - Confined Space Hatches
    - Standpipe System w/ FDC
    - Basement Staircase
    - Forcible Entry System

- State-of-the-Art Facility with Multiple Gas Fueled Fire Scenarios and Advanced Features, Including:
    - 2,300° F (1,260° C) Thermal Lining System
    - Stove Fire
    - Overhead Cabinet Extension Fire
    - Bed Fire
    - Boiler Heater Fire
    - Clothes Dryer Fire
    - Ceiling Rollover
    - 70,000 cfm Smoke Machines
    - Fully Integrated Sound System

| Boiler Heater Fire | Bed Fire | Clothes Dryer Fire |

Customer Highlight: Fairview Fire Department, TN

Fairview Fire Department Selects Symtech!

- 3-Story Container Fire Simulator

- State-of-the-Art Facility with Combination Class "A" / Fire Behavior Burn and Advanced Features, Including:
    - Class "A" Burn Room w/ both Fire Suppression & Fire Behavior Training Capabilities
    - 2,300° F Thermal Lining System
    - Pitched Roof Prop w/ Chop-out
    - Swinging Walls
    - Multi-Use Rappell Station

 "I wanted to thank you for helping facilitate such a smooth process. This project has taken several years of planning and budgeting to come to fruition. I believe this live fire training structure has moved our department ahead an immeasurable number of years regarding the quality and quantity of training we can do without leaving the City. Your onsite crew truly have customer satisfaction as their top priority. I look forward to the On-scene training component and your willingness to go an extra step is greatly appreciated. If Fairview can assist in providing access to our training structure for potential customers, please send them our way. I have nothing but positives to share about this project, thank you again."

Scott Hughes
Fire Chief
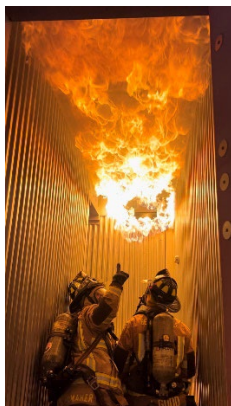City of Fairview Fire Department, TN

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Customer Highlight: Bentonville Fire Department, AR

Bentonville (*home to the world's largest retailer – Walmart*) Selects Symtech!

- Pre-Engineering Training Simulator Facility by Fire Facilities and Symtech Fire

- State-of-the-Art Facility with Multiple Gas Fueled Fire Scenarios and Advanced Features, Including:
  - 2,300° F (1,260° C) Thermal Lining System
  - Stove Fire
  - Overhead Cabinet Extension Fire
  - Bed Fire
  - Garage Vehicle Fire
  - BBQ Balcony Fire
  - (2) Hallway Ceiling Rollovers
  - 70,000 cfm Smoke Machines
  - Fully Integrated Sound System

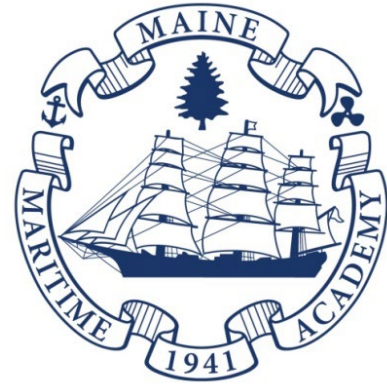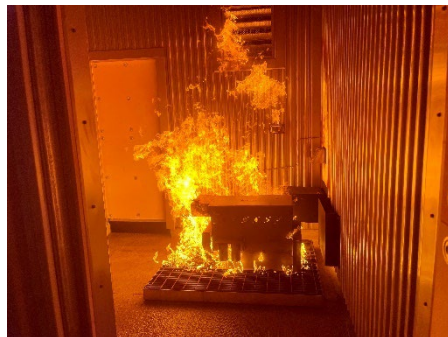Stove Fire   Hallway Rollover   Vehicle Fire

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Customer Highlight: Maine Maritime Academy (MMA)

Maine Maritime Academy (*a US-Based Maritime Training College*) Selects Symtech!
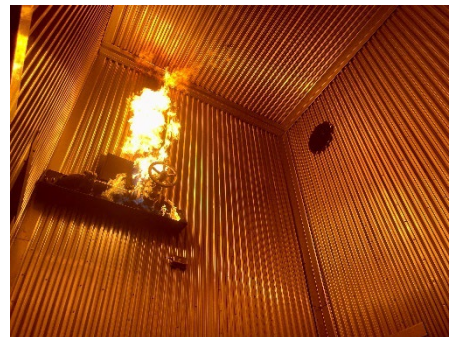
- Pre-Engineering Metal Building with Ship Theming

- 2-Story Engine Room

- State-of-the-Art Facility with Multiple Gas Fueled Fire Scenarios and Advanced Features, Including:
    - 2,300° F (1,260° C) Thermal Lining System
    - Marine Engine Fire
    - Overhead Flange Extension Fire
    - Galley Fire
    - Grease "Flare-up" Fire
    - State Room Fire
    - Ceiling Rollover
    - 70,000 cfm Smoke Machines

| Ceiling Rollover | Marine/Ship Engine Fire | Overhead Flange Fire |

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Customer Highlight: Jasper County Emergency Services District, TX

Jasper County Selects Symtech!

- Outdoor & Industrial Fire Training Simulators
  for a new County Fire Training Facility

- Multiple Outdoor & Industrial Gas Fueled Fire Scenarios,
  Including:
    - Fuel Spill / Flammable Liquid Fire
    - 250-Gallon Pressure Vessel Fire w/ the following fires:
        - Impingement Fire
        - Relief Fire
    - SUV/Vehicle Fire Simulator ST w/ the following fires:
        - Engine Fire
        - Passenger Fire
        - Trunk Fire
        - Ground/Spill Fire

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5.0   Company History

Symtech was founded in by Pete Romero, expert Systems Engineer, and Jon Hanson, son of industry pioneer Jim Hanson. Jim has been widely recognized for his contributions to the industry as one of the original pioneers of the first gas-fueled training systems in the 1970's for the United States Navy. Next, Jim brought gas-fueled technology to the municipal market in 1987 and the FAA market in 1992. He also conceptualized the first Mobile Structural and Mobile ARFF Simulators.

> *"Jim's passion and energy were instrumental in the creation and development of the Live Fire Training market and through this, an untold number of firefighters and potential victims have benefited."*
> – Bob Downin, President (Ret.) Kidde/UTC

Symtech was founded by a vision and by necessity. Large fire training equipment suppliers have converted Service into a major profit center with spare parts at 100% (or greater) mark-up, all while convincing customers they are stuck with the OEM, and with that, increasingly exorbitant service contract costs that are leading to a troubling number of system tear-outs.

> *"Symtech's vision is to deliver maximum training value on time and on budget, while restoring a <u>FIRE SERVICE FIRST</u> mentality. We design, manufacture, install and service systems that push the limits of trainer realism while maintaining the highest safety standards available. Our service exists to benefit our customers – not to maximize profits."*

Symtech utilizes two modified container fabrication partners that have more than 15 years experience each in building modified container fixed and mobile fire training units.

Symtech was contracted for several large Interior/Structural Fire Simulator design and installation projects. Notably, in competition with all major Fire Training Systems competitors, after careful research and highly detailed interviews, the FDNY (Fire Department of New York) – *a 35-year fire training systems user* – selected Symtech to supply their newest Fire Simulator Building! The includes a modified container structure with multiple burn rooms, thermal protection, and training props.

FDNY's selection was unanimous and was driven primarily by the technical merits of Symtech's offering. Symtech's project intake doubled year over year (YOY) in the just the first quarter of 2022 with major project awards including Bentonville Fire Department's State-of-the-Art Training Facility that includes multiple main fires, rollover, fire extension, sound generation, and value-engineering including a 3-in-1 indoor/outdoor garage scenario for the price of a single burn room equipment set.

Bentonville Training Tower

> Symtech will be completing at least twenty-four (24) major installations in 2024.
> We have the operational bandwidth to take on 3x more projects than currently booked.

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5.1 Research & Development (R&D)

Symtech training simulators are designed from the ground up to the latest NFPA 1402 Standard (2019 edition). Our designs meet or exceed every aspect of the standard and are based on vast personnel experience exceeding 200 years combined! We have a unique partnership with On-Scene Training, LLC who has instructors in over 35 US States. We discuss current and expected future training challenges with On-Scene personnel regularly and resource unmet training needs with our high performing technical team. We are happy to review our innovation pipeline in a confidential setting.

Our staff has an unmatched combination of systems engineering, project development, geographic, and firefighting experience. That, combined with our company mission to serve the fire service, will propel Symtech into the leadership position within the fire systems industry.

Symtech has no outside investors and is wholly-owned by its founders. We invest over 10% into R&D (*most companies invest 1 to 2%*) and will continue this entrepreneurial approach indefinitely. See our value-added section for some recent new products derived from our intensive R&D process.

5.2 Markets Served

Symtech's business is heavily focused on the Municipal Fire Fighting and Department of Defense (DoD) markets. We also service Maritime, Civil Aviation, Colleges and Institutions and Industrial Fire Fighting customers.

Our Product Lines & Services include:

- Structural
- Mobile Structural
- Outdoor/Industrial
- Hose Line Trainer
- Vehicle Simulator

- Hazmat
- Aircraft
- Mobile Aircraft
- Container Simulators
- Class "A"

- Fire Behavior
- Needs Assessments
- Design/Facility Interface Services
- Service/Maintenance
- Upgrades

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5.2   Markets Served

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- Aircraft
- Mobile Aircraft
- Container Simulators
- Class "A"

- Fire Behavior
- Needs Assessments
- Design/Facility Interface Services
- Service/Maintenance
- Upgrades

6.0   Key Staff & Personnel

Symtech's personnel and resources are divided into the following major functional areas:

- Engineering/R&D
- Project Management
- Operations
- Sales

- Marketing
- Field Services
- Customer Service
- Distribution

The following summarizes our key staff and personnel:

Jon Hanson
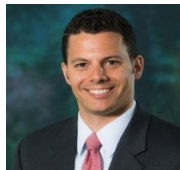*Managing Director*

Pete Romero
Director, Engineering

Chief (Ret.) Ross Riddell
Field Const. Manager

Linda Feng
Customer Svc. Manager

Byron Charbonneau
Mechanical Engineer

Lucas Sanz
Mechanical Engineer

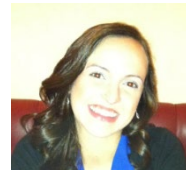**Vercelis Samaniego**
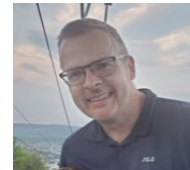*Project Engineer*

Bart Simpson
Field Service Tech

Chief (Ret.) Jim Nilo
Training/Commissioning Mgr.

Greg Pascolla
Field Installation

Maria Oubina
Marketing/Office Mgr.

Paul Ellis
Project Development

Symtech does not employ an Architect or have an Architect of record, as this is not required for any of our projects. It is understood that site work, including the burn building/simulator foundation(s), will be by others. The design/build team working on our adjacent fire training facility will be coordinating with the burn building simulator team for foundation design and site requirements. Symtech's responsibility would be manufacturing and erecting the burn building, as is typical in our projects.

Training facilities are typically considered non-occupied structures exempting them from any local or uniform building codes. They still need to meet OSHA and all NFPA requirements.

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Symtech
Live Fire Simulation Technology

7.0　　　Product Range

Symtech's product range is extensive. It includes the following broad training simulator categories: Fixed and Mobile Structural, Vehicle Fires, Hoseline Trainer, Outdoor & Industrial, Containerized, Fire Behavior, Class "A", Hazmat, and Fixed and Mobile ARFF.

Symtech continues to advance the training simulator industry with unique, forward-thinking designs that are quickly upending the training systems industry. Recent examples include:

- SUV Fire Simulator
- ST-PRO Vehicle Trainer
- Strip Mall Fire Simulator
- Advanced Fire Behavior Simulator ST-7

Structural

Mobile Structural / Maze

Vehicle Fires

Hoseline Trainer

Outdoor & Industrial

Containerized

Fire Behavior

Hazmat

Aircraft Rescue

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8.0   Quality / Quality Assurance

Symtech utilizes a Quality Management System (QMS). This is a **formalized system that documents processes, procedures, and responsibilities for achieving quality policies and objectives.** This helps coordinate and direct Symtech's activities to meet customer and project requirements. We also believe in continuous improve, that is, improving effectiveness and efficiency on a continual basis.

Our QMS Goals are as follows:
- Meeting the customer's requirements, which helps to instill confidence in Symtech, in turn leading to more customers, more sales, and more repeat business
- Meeting the organization's requirements, which ensures compliance with regulations and provision of products and services in the most cost- and resource-efficient manner, creating room for expansion, growth, and profit
- These benefits offer additional advantages, including:
    o Defining, improving, and controlling processes
    o Reducing waste
    o Preventing mistakes
    o Lowering costs
    o Facilitating and identifying training opportunities
    o Engaging staff
    o Setting organization-wide direction
    o Communicating a readiness to produce consistent results

Our QMS Includes:
- Symtech's quality policy and quality objectives
- Procedures, instructions, and records
- Data management
- Internal processes
- Customer satisfaction from product quality
- Improvement opportunities
- Quality analysis

All aspects of our QMS have a direct impact on project execution.

We utilize **Net Promoter Score (NPS)** to survey our customers once per year. This feedback is carefully analyzed and actions are categorized, noted, and executed upon.

8.1   Engineering Documentation Submittals

Symtech will complete and submit the following documents (as applicable) during project execution:

- Installation Drawings
- Product Data
- Shop Drawings
- Operation & Maintenance Manuals

- Acceptance Test Procedure (ATP)
- Acceptance Test Log
- Training Course Outline
- Training Course Material

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9.0   Safety Record

Symtech has a flawless safety record. There are zero systems related safety issues or occurrences in our company history. Nearly all other major fire training systems manufacturers have had systems related safety incidents. Symtech personnel has never been involved in a systems related (or non-related) safety incident of any kind at while consulting or employed at a prior fire training systems company.

9.1   NFPA Membership & Code Enforcement

Jon Hanson, Principal / Director of Business Development, is a member of the National Fire Protection Association (NFPA). He participated in the development of the new NPFA 1402 Standard on Facilities for Fire Training and Associated Props. "NFPA 1402 provides guidance for the planning of fire service training centers, focusing on the main components necessary to accomplish general fire fighter training effectively, efficiently, and safely" (nfpa.org). The last revision was published February 2019.

In 2019, the new NFPA standard was released. Previously, NFPA 1402 was a Guide. Standards spell out what kind of system and how it must work. Unlike a Guide, the main text of a Standard contains only mandatory provisions using the word "shall" to indicate requirements. Symtech product designs precisely follow the standard.

Pete Romero, Principal / Director of Projects & Engineering, has previously worked at CSA Group as a Special Inspections Representative conducting detailed engineering analysis on unlisted/uncertified industrial equipment. For over 100 years, CSA Group has helped make the world safer and more sustainable through testing inspection, certification, and development of product standards.

Because of his extensive technical expertise of nearly 20 years and in-depth knowledge of applicable standards, he has inspected and written detailed reports for Live Fire Training equipment and installations from all major industry competitors.

This breath of experience directly contributed to the development of the most compliant and safest system platform available.

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10.0   Safety Certification

All Symtech Live Fire Simulators are fully compliant with NFPA 1402, Standard on Facilities for Fire Training and Associated Props. Delivered systems are certified on-site by an OSHA-recognized Nationally Recognized Testing Laboratory (NRTL). NFPA 1402 requires that Gas-fueled live fire training systems be listed or labeled by a third-party NRTL to ensure compliance with the requirements of the standard.

A full listing of OSHA-approved NRTL's can be found at
https://www.osha.gov/dts/otpca/nrtl/nrtllist.html.

A list of NRTL's that are no longer recognized can be found at
https://www.osha.gov/dts/otpca/nrtl/recgterm.html.

There is a difference between labelled and listed.

Labeled – Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization that is acceptable to the authority having jurisdiction and concerned with product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

Listed – Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that either the equipment, material, or service meets appropriate designated standards or has been tested and found suitable for a specified purpose.

10.1   Certification Objectives

a) That the general construction and assembly of the equipment is in accordance with applicable standards and reasonable concepts of safety, substantiality, and durability.

b) That the general construction and assembly of the equipment is designed with the consideration of the operating environment, that bolts and other fasteners are provided with the required rigidity, and that exposed edges which might be brought in contact with hands during usage or service are smooth.

c) That the materials used in the construction and assembly of the equipment are suitable for the temperatures to which they will be exposed to.

d) That all parts of the equipment are secured against displacement, distortion, warping, vibration, or other damage and are supported to maintain a fixed relationship between essential parts, and that such parts are designed so they cannot be incorrectly assembled or aligned when removed for necessary service and/or maintenance.

e) That the necessary operating and safety controls required by applicable portions of the codes and standards indicated are incorporated in the default configuration of the system.

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f) That all purchased components used in the make up the system are listed and/or are selected for the intended application, type, and pressure of the fuel gases to be used and the temperatures to which they are subjected.

g) That redundant protection is provided for all safety critical control functions.

h) That the facility housing the gas utilization equipment is provided with the necessary environmental monitoring systems for assuring the environment is in the intended state for operation of the equipment.

i) That when gas is expelled from all pilot and/or main burners it effectively ignites in an acceptable time frame under all permitted fuel delivery pressures.

j) That flames from all pilot and main burners effectively ignites and fully propagates over all gas ports over the entire length of the burner.

k) That all ignition sources effectively ignite the main burner gas in an acceptable time frame when the ignition source is at the control system detected minimum.

k) That all safety devices are selected, applied, and installed in accordance with this standard and the manufacturer's instructions.

The gas utilization system manufactured and assembled by Symtech Fire is compliant with applicable portions of the following nationally recognized codes and standards, as well as with sound engineering and industry accepted practices for fuel utilization equipment.

> NFPA 1402 – Standard on Facilities for Fire Training and Associated Props
> NFPA 54 – National Fuel Gas Code
> NFPA 58 – Liquefied Petroleum Gas Code
> NFPA 70 – National Electrical Code
> NFPA 86 – Standards for Ovens and Furnaces
> UL508A – Industrial Control Panels Standard for Safety

Field Evaluation Report

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11.0   End-User Training / Train-the-Trainer

NFPA 1402 now requires the inclusion of operation and maintenance (O&M) training in with all fire training equipment. Accordingly, Symtech includes operation and maintenance training with all live simulator equipment sales. Training must include the following:

- Visual Inspections
- Operation
- Maintenance
- Shutdown

Symtech provides detailed operation and maintenance training manuals with every purchase. This includes hard copies and a digital version. Per NFPA 1402, manuals include schematics, start-up procedures, shutdown procedures, emergency procedures, and maintenance procedures.

Understanding department needs and turnover, we also offer re-fresher training programs for existing customers. We aim to ensure your department is fully self-sufficient in operation and maintenance of your training system. We also offer comprehensive service and maintenance programs.

Our goal is to ensure world-class service and an exceptional experience from start to finish and throughout the life of your training equipment!

For Advanced Train-the-Trainer Programs and Fire Behavior courses, Symtech partners with On-Scene Training who delivers world-class instructor development from Certified Fire Instructors.

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12.0   Warranty

All products sold typically include an industry standard limited one-year warranty. Extended warranties are available. Below is Symtech's standard warranty description.

1-YEAR STANDARD WARRANTY

The essential purpose of any sale or contract for sale of any of the products listed in the SYMTECH catalog, price list, bid, or proposal is the furnishing of that product. It is expressly understood that in furnishing said product, SYMTECH does not agree to insure the Purchaser against any losses the Purchaser may incur, even if resulting from the malfunction of said product.

SYMTECH warrants that the equipment herein shall conform to said descriptions as to all affirmation of fact and shall be free from defects of manufacture, labeling and packaging for a period of one (1) year from the delivery date to the original purchaser, provided that product photos, detailed information, maintenance record, and the physical training unit(s) is made available to SYMTECH for inspection. Upon a determination by SYMTECH that a product is not as warranted, SYMTECH shall, at its exclusive option, replace or repair said defective product or parts thereof at its own expense except that Purchaser shall pay all shipping, insurance and similar charges incurred in connection with the replacement of the defective product or parts thereof. Wherever possible, Symtech incorporates thermal insulation, heat shields, and/or expansion joints in its live fire training products. Some planned deformation is expected over time and is explicitly excluded from this Warranty. This Warranty is void in the case of abuse, misuse, abnormal usage, faulty installation or repair by unauthorized persons, or if for any other reason SYMTECH determines that said product is not operating properly as a result of causes other than defective manufacture, labeling or packaging.

The Aforesaid Warranty Is Expressly Made In Lieu Of Any Other Warranties, Expressed Or Implied, It Being Understood That All Such Other Warranties, Expressed Or Implied, Including The Warranties Of Merchantability And Fitness For Particular Purpose Are Hereby Expressly Excluded. In No Event Shall Symtech Be Liable To Purchaser For Any Direct, Collateral, Incidental Or Consequential Damages In Connection With Purchaser's Use Of Any Of The Products Listed Herein, Or For Any Other Cause Whatsoever Relating To The Said Products. Neither Symtech Nor Its Representatives Shall Be Liable To The Purchaser Or Anyone Else For Any Liability, Claim, Loss, Damage Or Expense Of Any Kind, Or Direct Collateral, Incidental Or Consequential Damages Relative To Or Arising From Or Caused Directly Or Indirectly By Said Products Or The Use Thereof Or Any Deficiency, Defect Or Inadequacy Of The Said Products. It Is Expressly Agreed That Purchaser's Exclusive Remedy For Any Cause Of Action Relating To The Purchase And/or Use Of Any Of The Products Listed Herein From Symtech Shall Be For Damages, And Symtech's Liability For Any And All Losses Or Damages Resulting From Any Cause Whatsoever, Including Negligence, Or Other Fault, Shall In No Event Exceed The Purchase Price Of The Product In Respect To Which The Claim Is Made, Or At The Election Of Symtech, The Restoration Or Replacement Or Repair Of Such Product.

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13.0   References

Symtech personnel has experience in more than 300 Fire Training Facility Projects, including management of more than $140M worth of projects. Our team has completed projects in more than 35 Countries including on the Continents of North America, South America, Europe, Africa, Australia and Asia. Below are recent customers to select Symtech for fire training facility projects:
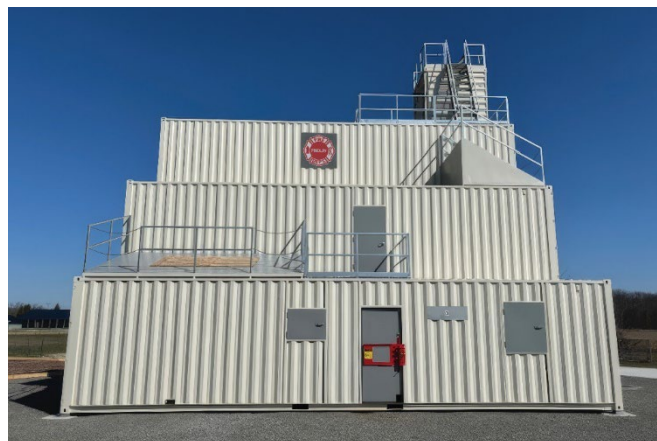

Fire Department of New York (FDNY)

Fairview Fire Department, TN

Bentonville Fire Department, AR

Fort Morgan Fire Department, CO

Findlay Fire Department, OH

REFERENCE FORM

MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Findlay Fire Department, OH	
Address: 7047 County Road 236, Findlay, OH 45840	
Contact name: Joshua Eberle, Chief	Contact phone #: 419-306-3161 jeberle@FindlayOhio.com
Model name/number: Container Fire Simulator ST	Award Date: January 20, 2023
Contract value: $388,749	Completion Date: January 6, 2024
Type of equipment: 3/4-Story Modified Container Structure, Class "A", Elevator Shaft	Number of trainers: (3) Burn Rooms

List all trainers installed including options:

Trainer #1 Class "A" Burn Rm #1	Trainer #2 Class "A" Burn Rm #2	Trainer #3 Class "A" Burn Rm #3	Trainer #4	Trainer #5
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable): Propane Natural Gas (Class "A") Liquid Vapor	Safety Systems Included (circle all applicable): Integral Ventilation Fan: Variable Speed Single Speed Temperature Monitoring: Multiple Per Room 1 Per Room None Gas Detection: Draw-Sample Static None

REFERENCE FORM

MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Fort Morgan Fire Department, CO	
Address: 116 Main St., Fort Morgan, CO 80701	

Contact name: Trae Boehm, Fire Chief	Contact phone #: 970-380-3553 trae.boehm@cityoffortmorgan.com
Model name/number: Structural Fire Simulator ST	Award Date: March 15, 2023
Contract value: $501,303	Completion Date: January 17, 2024
Type of equipment: Interior Fires, Container Building, Sound System, Smoke Generators, Thermal Liner	Number of trainers: (2) Main Fires, (1) Rollover

List all trainers installed including options:

Trainer #1 Stove Prop (interchang.)	Trainer #2 Boiler/Water Heater Prop (interchang.)	Trainer #3 Bed Prop (interchang.)	Trainer #4 Clothes Dryer (interchange.)	Trainer #5 Ceiling Rollover
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
Propane　　(Natural Gas)　　(Class "A") Liquid　　(Vapor)	Integral Ventilation Fan: (Variable Speed)　　Single Speed Temperature Monitoring: (Multiple Per Room)　1 Per Room　　None Gas Detection: (Draw-Sample)　　Static　　None

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MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Fairview Fire Department, TN	
Address: 7131 Bowie Lake Road, Fairview, TN 37062	
Contact name: Scott Hughes, Fire Chief	Contact phone #: 615-430-8109 shughes@fairview-tn.org
Model name/number: Container Fire Simulator ST	Award Date: November 29, 2022
Contract value:	Completion Date: April 17, 2023
Type of equipment: 3-Story Modified Container Structure, Class "A"/Fire Behavior	Number of trainers: (1) Burn Room

List all trainers installed including options:

Trainer #1 Class "A" / Fire Behavior	Trainer #2 .	Trainer #3	Trainer #4	Trainer #5
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
Propane Natural Gas (Class "A") Liquid Vapor	Integral Ventilation Fan: Variable Speed Single Speed Temperature Monitoring: Multiple Per Room 1 Per Room None Gas Detection: Draw-Sample Static None

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MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Fire Department of New York (FDNY)	
Address: 1200 Rossville Ave, Staten Island, NY 10309	
Contact name: Thomas Cappelli, Captain	Contact phone #: 718-490-7032 Thomas.Cappelli@fdny.nyc.gov
Model name/number: Structural Fire Simulator ST-PRO	Award Date: August 16, 2022
Contract value: $471,740	Completion Date: March 29, 2023
Type of equipment: Interior Fires, Mod. Container, Smoke Generation, Sound, Thermal Liner	Number of trainers: (2) Main Fires, (1) Ext Fire, (1) Rollover, (3) Interchangeable Props

List all trainers installed including options:

Trainer #1 Kitchen Stove Prop	Trainer #2 Kitchen Cabinet Ext.	Trainer #3 Ceiling Rollover	Trainer #4 Bed Prop (interchang.)	Trainer #5 Boiler/Water Heater (interchang.)
Trainer #6 Clothes Dryer (interchang.)	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
(Propane) Natural Gas Class "A" Liquid (Vapor)	Integral Ventilation Fan: (Variable Speed) Single Speed Temperature Monitoring: (Multiple Per Room) 1 Per Room None Gas Detection: (Draw-Sample) Static None

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MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Dallas Fire Recue, TX	
Address: 5600 Dolphin Road, Dallas, TX 75223	

Contact name: Michal Royce Milam, Captain	Contact phone #: 817-300-3290 Michael.Milam@dallasfire.gov
Model name/number: Flashover Simulator ST-PRO	Award Date: April, 13, 2023
Contract value: $79,104	Completion Date: December 15, 2023
Type of equipment: Flashover Trainer, Class "A"/Fire Behavior	Number of trainers: (1) Burn Room

List all trainers installed including options:

Trainer #1 Class "A" / Fire Behavior	Trainer #2 .	Trainer #3	Trainer #4	Trainer #5
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

| Fuel Type Used: (Circle all applicable):

 Propane   Natural Gas   (Class "A")

 Liquid   Vapor | Safety Systems Included (circle all applicable):

 Integral Ventilation Fan:

 Variable Speed   Single Speed

 Temperature Monitoring:

 Multiple Per Room   1 Per Room   None

 Gas Detection:

 Draw-Sample   Static   None |

REFERENCE FORM

MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Ocean County Fire Academy, NJ	
Address: 100 Volunteer Way, Waretown, NJ 08758	
Contact name: Brian Gabriel, Director	Contact phone #: 732-496-3228 bgabriel@co.ocean.nj.us
Model name/number: Flashover Simulator ST, 30-ft Observation Room	Award Date: July 6, 2023
Contract value: $92,400	Completion Date: November 15, 2023
Type of equipment: Flashover Trainer, Class "A"/Fire Behavior	Number of trainers: (1) Burn Room

List all trainers installed including options:

Trainer #1 Class "A" / Fire Behavior	Trainer #2 .	Trainer #3	Trainer #4	Trainer #5
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
Propane Natural Gas (Class "A") Liquid Vapor	Integral Ventilation Fan: Variable Speed Single Speed Temperature Monitoring: Multiple Per Room 1 Per Room None Gas Detection: Draw-Sample Static None

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MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: Hanoi University of Fire Fighting and Prevention (UFFP)	
Address: 243 Khuất Duy Tiến, Thanh Xuân, Hanoi, Vietnam	
Contact name: Ms. Tran Kim Dong, Tuyer Nga Co.	Contact phone #: +84 462581412
Model name/number: Structural Fire Simulator ST	Award Date: December 29, 2023
Contract value: $463,900	Completion Date: September 30, 2023
Type of equipment: Interior Fires, Mobile Trainer, Sound, Smoke Generators, Thermal Liner	Number of trainers: (2) Main Fires, (1) Rollover, (1) Ext. Fire

List all trainers installed including options:

Trainer #1 Kitchen Stove Prop	Trainer #2 Kitchen Cabinet Ext.	Trainer #3 Ceiling Rollover	Trainer #4 Sofa Prop (interchang.)	Trainer #5 Boiler/Water Heater (interchang.)
Trainer #6 Clothes Dryer (interchang.)	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
(Propane) Natural Gas Class "A" Liquid (Vapor)	Integral Ventilation Fan: (Variable Speed) Single Speed Temperature Monitoring: (Multiple Per Room) 1 Per Room None Gas Detection: (Draw-Sample) Static None

REFERENCE FORM

MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: U.S. Army Garrison (Vizenza/Caserma Ederle), Italy	
Address: Via Aldo Moro – 36100 Vicenza (VI)	
Contact name: Steven M. Gray, Assistant Fire Chief	Contact phone #: +39 050 965 8223
Model name/number: Structural Fire Simulator ST	Award Date: September 19, 2023
Contract value: $166,500	Completion Date: June 30, 2024 *(in-process)*
Type of equipment: Interior Fires, Sound System, Smoke Generation System, Thermal Liner	Number of trainers: (2) Main Fires

List all trainers installed including options:

Trainer #1 Stove Prop (interchang.)	Trainer #2 Sofa Prop (interchang.)	Trainer #3 Wardrobe Prop (interchang.)	Trainer #4 Bookcase Prop (interchang.)	Trainer #5 Gas Bottles Prop (interchang.)
Trainer #6 Rollover	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
(Propane) Natural Gas Class "A" Liquid (Vapor)	<u>Integral Ventilation Fan</u>: (Variable Speed) Single Speed <u>Temperature Monitoring</u>: (Multiple Per Room) 1 Per Room None <u>Gas Detection</u>: (Draw-Sample) Static None

REFERENCE FORM

MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: U.S. Naval Air Station Bahrain	
Address: Manama, Manama	
Contact name: Thanzeer P. Basheer, Battalion Chief	Contact phone #: 318-439-4425
Model name/number: Structural Fire Simulator ST	Award Date: October 6, 2023
Contract value: $213,400	Completion Date: June 5, 2024 *(in-process)*
Type of equipment: Interior Fires, Sound System, Smoke Generation System, Thermal Liner	Number of trainers: (2) Main Fires

List all trainers installed including options:

Trainer #1 Bunk Prop (interchang.)	Trainer #2 Clothes Dryer Prop (interchang.)	Trainer #3 Marine Engine Prop (interchang.)	Trainer #4 Rollover	Trainer #5
Trainer #6 Rollover	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
(Propane) Natural Gas Class "A" Liquid (Vapor)	Integral Ventilation Fan: (Variable Speed) Single Speed Temperature Monitoring: (Multiple Per Room) 1 Per Room None Gas Detection: (Draw-Sample) Static None

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MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: U.S. Naval Air Station Key West, FL	
Address: Key West, FL	

Contact name:	Contact phone #: 305-293-2027

Model name/number: Mobile Structural Fire Simulator ST	Award Date: January 14, 2024
Contract value: $296,800	Completion Date: August 31, 2024 *(in-process)*
Type of equipment: Interior Fires, Sound System, Smoke Generation System, Thermal Liner	Number of trainers: (2) Main Fires

List all trainers installed including options:

Trainer #1 Stove Prop (interchang.)	Trainer #2 Rollover	Trainer #3	Trainer #4 Rollover	Trainer #5
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
(Propane) Natural Gas Class "A" Liquid (Vapor)	Integral Ventilation Fan: (Variable Speed) Single Speed Temperature Monitoring: (Multiple Per Room) 1 Per Room None Gas Detection: (Draw-Sample) Static None

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MODIFIED CONTAINER FACILITY REFERENCE FORM

Department name: U.S. Naval Air Station Naples, Italy	
Address: Via Fulco Ruffo Di Calabria – 80144 Napoli (NA)	
Contact name:	Contact phone #: +39 081 568 5547
Model name/number: Mobile Structural Fire Simulator ST	Award Date: January 14, 2024
Contract value: $321,800	Completion Date: August 31, 2024 *(in-process)*
Type of equipment: Interior Fires, Sound System, Smoke Generation System, Thermal Liner	Number of trainers: (2) Main Fires

List all trainers installed including options:

Trainer #1 Stove Prop (interchang.)	Trainer #2 Rollover	Trainer #3	Trainer #4 Rollover	Trainer #5
Trainer #6	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):

(Propane)   Natural Gas   Class "A"

Liquid   (Vapor)

Safety Systems Included (circle all applicable):

Integral Ventilation Fan:

(Variable Speed)   Single Speed

Temperature Monitoring:

(Multiple Per Room)   1 Per Room   None

Gas Detection:

(Draw-Sample)   Static   None

REFERENCE FORM

STRUCTURAL FIRE TRAINER REFERENCE FORM

Department name: Bentonville Fire Department, AR	
Address: 211 SW A St., Bentonville, AR 72712	

Contact name: Justin Scantlin, Battalion Chief	Contact phone #: 479-685-1096

Model name/number: Structural Fire Simulator ST-PRO	Award Date: January 7, 2022 – Phase I April 6, 2023 – Phase II November, 22, 2023 – Phase III
Contract value: $568,697.02	Completion Date: February 21, 2023 – Phase I April 29, 2023 – Phase II April 14, 2024 – Phase III (*in-process*)
Type of equipment: Interior Fires, Central Smoke System, SUV/Car Prop, Sound System	Number of trainers: (3) Main Fires, (1) Ext. Fire, (2) Hallway Rollover2, (1) Balcony/Grill Fire

List all trainers installed including options:

Trainer #1 Kitchen Stove Prop	Trainer #2 Kitchen Cabinet Ext.	Trainer #3 Queen Bed Prop	Trainer #4 Garage Car Prop	Trainer #5 Garage Industrial Rack Prop
Trainer #6 Hallway Rollover #1	Trainer #7 Balcony BBQ Grill Prop	Trainer #8 Fuel Spill Prop	Trainer #9 Hallway Rollover #2	Trainer #10 Interchangeable Prop (Bookcase / Ent. Center)

Fuel Type Used: (Circle all applicable):	Safety Systems Included (circle all applicable):
(Propane) Natural Gas Class "A" Liquid (Vapor)	Integral Ventilation Fan: (Variable Speed) Single Speed Temperature Monitoring: (Multiple Per Room) 1 Per Room None Gas Detection: (Draw-Sample) Static None

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STRUCTURAL FIRE TRAINER REFERENCE FORM

Department name: Maine Maritime Academy, ME	
Address: 24 Mariner Way, Bucksport, ME 04416	
Contact name: Timothy Achorn, Director	Contact phone #: 207-326-2363
Model name/number: Structural Fire Simulator ST-PRO	Award Date: March 31, 2021
Contract value: $319,100	Completion Date: August 7, 2023 *(paused for extended period of time by Owner due to pandemic)*
Type of equipment: Interior Fires, Smoke Generation Systems, Centralized Smoke Distribution	Number of trainers: (3) Main Fires, (2) Ext. Fire, (1) Rollover

List all trainers installed including options:

Trainer #1 Maritime Engine Prop	Trainer #2 Flange Fire Extension	Trainer #3 Kitchen/Galley Prop	Trainer #4 Kitchen Grease Fire Extension	Trainer #5 State Room Sofa Prop
Trainer #6 Ceiling Rollover	Trainer #7	Trainer #8	Trainer #9	Trainer #10

Fuel Type Used: (Circle all applicable):

(Propane)   Natural Gas   (Class "A")

Liquid   (Vapor)

Safety Systems Included (circle all applicable):

Integral Ventilation Fan:

(Variable Speed)   Single Speed

Temperature Monitoring:

(Multiple Per Room)   1 Per Room   None

Gas Detection:

(Draw-Sample)   Static   None

REFERENCE FORM

STRUCTURAL FIRE TRAINER REFERENCE FORM

Department name: Harper College, IL	
Address: 1200 W. Algonquin Rd., Palatine, IL 60067	
Contact name: Norm Bemis, Division Chief	Contact phone #: 847-344-9036
Model name/number: Structural Fire Simulator ST/ST-PRO	Award Date: December 6, 2023
Contract value: TBD – Being Finalized	Completion Date: September 1, 2024
Type of equipment: FID, Interior Fires, Smoke Generation Systems, Centralized Smoke Distribution	Number of trainers: (17) Main Fires in Master Plan

List all trainers installed including options:

Trainer #1 Stove Prop	Trainer #2 Overhead Cabinet Ext.	Trainer #3 Hallway Rollover #1	Trainer #4 Bed Prop	Trainer #5 Ceiling Rollover
Trainer #6 Hallway Rollover #2	Trainer #7 Living Room Sofa Prop	Trainer #8 Buffet & Hutch Prop	Trainer #9 Desk Prop	Trainer #10 Copier Prop

Fuel Type Used: (Circle all applicable):

(Propane)   Natural Gas   Class "A"

Liquid   (Vapor)

Safety Systems Included (circle all applicable):

Integral Ventilation Fan:

(Variable Speed)   Single Speed

Temperature Monitoring:

(Multiple Per Room)   1 Per Room   None

Gas Detection:

(Draw-Sample)   Static   None

Symtech Fire   ·   P.O. Box 493   ·   Berkeley Heights, NJ 07922   ·   (614) 285–6360   ·   symtechfire.com
All information is proprietary and confidential and is not to be share outside of the receiving party.
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