



March 5, 2024

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

SUBJECT: Executive Summary for IDHS Smoke / Confidence Maze Trailers

Attn: Arthur Sample

Please find our executive summary as defined for the State of Indiana Bid 385-24-76608

Symtech specializes in live fire simulation technologies utilizing Class "A," as well as 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.

Symtech has submitted the appropriate paper work for the Secretary of State of Indiana.

Thank you for your consideration!

Sincerely,

Jonathan J. Hanson
Managing Director – 908-514-6629
Jon.hanson@symtechfire.com

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.



symtechfire.com

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.



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!***



Item	Description	Price per Unit
1	<p>Smoke Maze Confidence Trailer ST-PRO</p> <p><u>32' Premium Mobile Smoke Maze Confidence Trainer Chassis Features</u></p> <ul style="list-style-type: none"> ▪ 32' enclosed gooseneck trailer with vinyl graphics package ▪ 2 – 7,000 GVWR Axels with electronic brakes ▪ Aluminum frame construction with aluminum sided exterior walls ▪ One piece roof ▪ 2 access doors on passenger side, including entrance stairs ▪ Hinged rear doors ▪ Trailer jacks (TBD at kickoff meeting) ▪ Covered generator space on hitch frame ▪ Generator capable of controlling all system components wired to control room, fillable from ground level ▪ High velocity exhaust fan(s) to remove smoke from entire training area between training sessions or in the event of an emergency. ▪ 4 Flush mount LED flood lights above each door and hatch ▪ 2 wheel chocks <p><u>Training Compartment Features:</u></p> <ul style="list-style-type: none"> ▪ Hatches to access training area, with light prohibiting cover and sloped access ramp ▪ 3 levels of training ▪ Levels 1 and 2 nclude reconfigurable gates, and changeable sloped floors ▪ Level 3 includes wire entanglement prop and rafter crawl area ▪ Horizontal diminishing clearance area ▪ Vertical diminishing clearance area ▪ Attack rafter crawl navigation area ▪ Pass through with maximum dimensions of 15" wide X 15" high area ▪ Two (2) sloped floor access with slip resistant surfaces. ▪ Red and white 120V LED lighting ▪ 70,000 CFM Smoke Machine ▪ Ventilation system <p><u>Control Room Features</u></p> <ul style="list-style-type: none"> ▪ Smoke, exhaust fans, lights to be controlled bia wireless pendant ▪ Walls will be Marine grade plywood ▪ Completely sealed from training space ▪ There shall be a complete control center for the operations of all lighting, ventilation fan(s), and smoke machine. ▪ There shall be a secure mounting for the trailer spare tire ▪ There shall be E-track installed on front wall of control room ▪ There shall be a storage box for smoke fluid remotes general tools and spare parts. ▪ Mounted ladder <p><u>Logistics & Support</u></p> <ul style="list-style-type: none"> ▪ Delivery to Indianapolis, IN ▪ Handover/Walkthrough ▪ Train-the-Trainer Course, 3 days (6 classes total) ▪ 1-Year Standard Warranty ▪ 12 sets of keys 	\$143,500
	Total	\$287,000

Price valid through 30 June 2024.

Symtech can deliver in approximately 7 to 8 months from award depending on options selected. Will be within 240 days of award.

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.

Exclusions:

Customer travel cost for pre-delivery inspection (if desired)

Climate Control and Ventilation (unless otherwise specified)

Cost of Any Local Approvals, Certifications, or Licenses

Payment/performance bond, taxes, duties, permits, and any misc. fees, if applicable.

Graphical Representation (Different Lengths shown)





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:

- Fire Department of New York (FDNY)
- Bentonville Fire Department, AR
- Maine Maritime Academy
- Barnstable County Fire Academy, MA
- Gloucester County Fire Academy, NJ
- Jasper County Fire Department, TX
- Maine Fire Service Training Institute
- Bristol Fire Department, RI
- Terre Haute Fire Department, IN
- White House Community Fire Department, TN
- Hialeah Fire Department, FL
- Hall County Fire & Rescue, GA
- Caldwell Community College, NC
- Greenville School District, SC
- Austin Community College, TX
- Waukesha Technical College, WI
- Dallas Fire Department, TX
- Fort Morgan Fire Department, CO
- Sarasota County Fire Academy, FL
- Fairview Fire Department, TN
- Hanoi Fire Fighting College, Vietnam
- Ocean County Fire Academy, NJ
- Maryville Fire Department, TN
- Findlay Fire Department, OH

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.

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

Customer Highlight: Maine Fire Training Institute, ME

Maine Fire Training Institute (Owner of Multiple Mobile Props) Selects Symtech!

- Mobile SUV Fire Simulator ST, Including:
 - Full Aluminum High Quality Enclosed Trailer w/ DOT Tanks
 - Engine, Passenger, Trunk, Ground Spill, and Wheel Fires
 - Hoseline Fire Trainer
 - Extrication Features
 - Forcible Entry Hood
 - (2) 120-Gal DOT-Compliant Tanks
 - Winch for Easy Loading/Off-loading
 - 3-Year Maintenance PM Program



Customer Highlight: Austin Community College, TX

Austin Community College Selects Symtech!

- Vehicle & Outdoor Fire Training Simulators with Mobile Vehicle Hauler / Transporter
- Multiple Outdoor & Industrial Gas Fueled Fire Scenarios, Including:
 - Fuel Spill / Flammable Liquid Fire
 - Dumpster Fire
 - SUV/Vehicle Fire Simulator ST w/ the following fires:
 - Engine Fire
 - Passenger Fire
 - Trunk Fire
 - Ground/Spill Fire





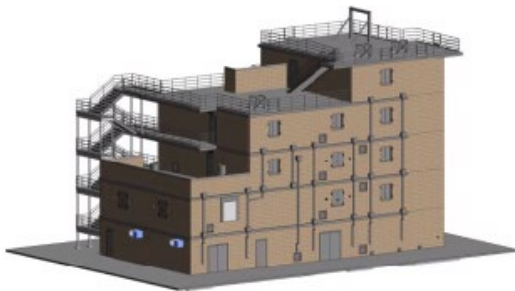
Symtech

Live Fire Simulation Technology

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!

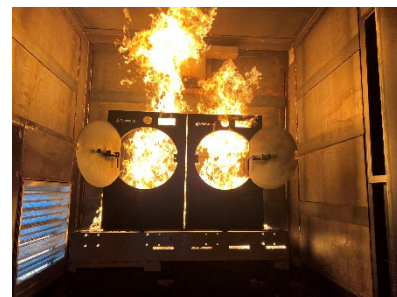
- Pre-Engineering Container Training Simulator Facility
 - Window Bailout Prop
 - Confined Space Hatches
 - Standpipe System w/ FDC
 - Basement Staircase
 - Forcible Entry System
- State-of-the-Art Facility with Multiple Gas Fueled Fire Scenarios and Advanced Features, Including:
 - 2,300° F (1,260° 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

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

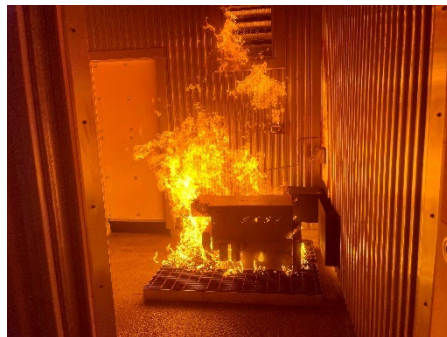
Customer Highlight: Maine Maritime Academy (MMA)

Maine Maritime Academy (a US-Based Maritime Training College) Selects Symtech!

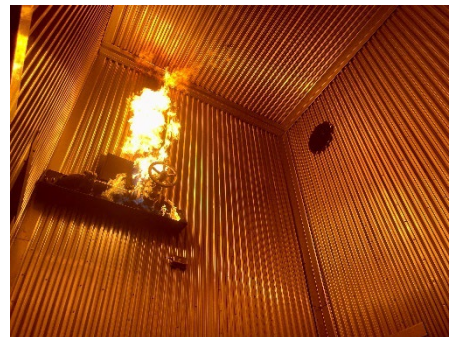
- Pre-Engineering Metal Building with Ship Theming
- 2-Story Engine Room
- State-of-the-Art Facility with Multiple Gas Fueled Fire Scenarios and Advanced Features, Including:
 - 2,300° F (1,260° C) Thermal Lining System
 - Marine Engine Fire
 - Overhead Flange Extension Fire
 - Galley Fire
 - Grease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



Ceiling Rollover



Marine/Ship Engine Fire



Overhead Flange Fire

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



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 FIRE SERVICE FIRST 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.

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



Bentonville Training Tower

FDNY's selection technical merits doubled year 2022 with major Department's multiple main and value-garage scenario

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

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 | ▪ Hazmat | ▪ Fire Behavior |
| ▪ Mobile Structural | ▪ Aircraft | ▪ Needs Assessments |
| ▪ Outdoor/Industrial | ▪ Mobile Aircraft | ▪ Design/Facility Interface Services |
| ▪ Hose Line Trainer | ▪ Container Simulators | ▪ Service/Maintenance |
| ▪ Vehicle Simulator | ▪ Class "A" | ▪ Upgrades |



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



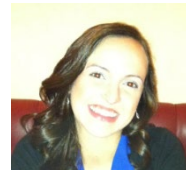
Bart Simpson
Field Service Tech



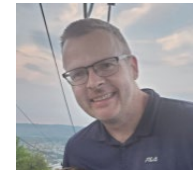
Chief (Ret.) Jim Nilo
Training/Commissioning Mgr.



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.

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:
 - Defining, improving, and controlling processes
 - Reducing waste
 - Preventing mistakes
 - Lowering costs
 - Facilitating and identifying training opportunities
 - Engaging staff
 - Setting organization-wide direction
 - 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.

Engineering Documentation Submittals

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

- | | |
|-----------------------------------|-----------------------------------|
| ▪ Installation Drawings | ▪ Acceptance Test Procedure (ATP) |
| ▪ Product Data | ▪ Acceptance Test Log |
| ▪ Shop Drawings | ▪ Training Course Outline |
| ▪ Operation & Maintenance Manuals | ▪ Training Course Material |

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.

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 NFPA 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.



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/otpc/nrtl/nrtllist.html>.

A list of NRTL's that are no longer recognized can be found at
<https://www.osha.gov/dts/otpc/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.

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.

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

Form Number: FEA-001-001

**Special Inspection /
Field Evaluation Report**
For Burning Appliances

Inspected by: Symtech Fire LLC
300 New York Building Heights, NJ 07922

Approved: [Signature]

Inspection Location: 3 River Road, Bridgewater, NJ 08809

DATE: August 1, 2017
JOB: 1 - Bridge 1, 2, 3
JOB 2 - Bridge 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

SCOPE: Evaluation of Field Burning Systems and Electrical Systems for industrial use only.

REFERENCE: NFPA 54, NFPA 58, NFPA 70, NFPA 86, NFPA 1402, NFPA 1403, NFPA 1404, NFPA 1405, NFPA 1406, NFPA 1407, NFPA 1408, NFPA 1409, NFPA 1410, NFPA 1411, NFPA 1412, NFPA 1413, NFPA 1414, NFPA 1415, NFPA 1416, NFPA 1417, NFPA 1418, NFPA 1419, NFPA 1420, NFPA 1421, NFPA 1422, NFPA 1423, NFPA 1424, NFPA 1425, NFPA 1426, NFPA 1427, NFPA 1428, NFPA 1429, NFPA 1430, NFPA 1431, NFPA 1432, NFPA 1433, NFPA 1434, NFPA 1435, NFPA 1436, NFPA 1437, NFPA 1438, NFPA 1439, NFPA 1440, NFPA 1441, NFPA 1442, NFPA 1443, NFPA 1444, NFPA 1445, NFPA 1446, NFPA 1447, NFPA 1448, NFPA 1449, NFPA 1450, NFPA 1451, NFPA 1452, NFPA 1453, NFPA 1454, NFPA 1455, NFPA 1456, NFPA 1457, NFPA 1458, NFPA 1459, NFPA 1460, NFPA 1461, NFPA 1462, NFPA 1463, NFPA 1464, NFPA 1465, NFPA 1466, NFPA 1467, NFPA 1468, NFPA 1469, NFPA 1470, NFPA 1471, NFPA 1472, NFPA 1473, NFPA 1474, NFPA 1475, NFPA 1476, NFPA 1477, NFPA 1478, NFPA 1479, NFPA 1480, NFPA 1481, NFPA 1482, NFPA 1483, NFPA 1484, NFPA 1485, NFPA 1486, NFPA 1487, NFPA 1488, NFPA 1489, NFPA 1490, NFPA 1491, NFPA 1492, NFPA 1493, NFPA 1494, NFPA 1495, NFPA 1496, NFPA 1497, NFPA 1498, NFPA 1499, NFPA 1500, NFPA 1501, NFPA 1502, NFPA 1503, NFPA 1504, NFPA 1505, NFPA 1506, NFPA 1507, NFPA 1508, NFPA 1509, NFPA 1510, NFPA 1511, NFPA 1512, NFPA 1513, NFPA 1514, NFPA 1515, NFPA 1516, NFPA 1517, NFPA 1518, NFPA 1519, NFPA 1520, NFPA 1521, NFPA 1522, NFPA 1523, NFPA 1524, NFPA 1525, NFPA 1526, NFPA 1527, NFPA 1528, NFPA 1529, NFPA 1530, NFPA 1531, NFPA 1532, NFPA 1533, NFPA 1534, NFPA 1535, NFPA 1536, NFPA 1537, NFPA 1538, NFPA 1539, NFPA 1540, NFPA 1541, NFPA 1542, NFPA 1543, NFPA 1544, NFPA 1545, NFPA 1546, NFPA 1547, NFPA 1548, NFPA 1549, NFPA 1550, NFPA 1551, NFPA 1552, NFPA 1553, NFPA 1554, NFPA 1555, NFPA 1556, NFPA 1557, NFPA 1558, NFPA 1559, NFPA 1560, NFPA 1561, NFPA 1562, NFPA 1563, NFPA 1564, NFPA 1565, NFPA 1566, NFPA 1567, NFPA 1568, NFPA 1569, NFPA 1570, NFPA 1571, NFPA 1572, NFPA 1573, NFPA 1574, NFPA 1575, NFPA 1576, NFPA 1577, NFPA 1578, NFPA 1579, NFPA 1580, NFPA 1581, NFPA 1582, NFPA 1583, NFPA 1584, NFPA 1585, NFPA 1586, NFPA 1587, NFPA 1588, NFPA 1589, NFPA 1590, NFPA 1591, NFPA 1592, NFPA 1593, NFPA 1594, NFPA 1595, NFPA 1596, NFPA 1597, NFPA 1598, NFPA 1599, NFPA 1600, NFPA 1601, NFPA 1602, NFPA 1603, NFPA 1604, NFPA 1605, NFPA 1606, NFPA 1607, NFPA 1608, NFPA 1609, NFPA 1610, NFPA 1611, NFPA 1612, NFPA 1613, NFPA 1614, NFPA 1615, NFPA 1616, NFPA 1617, NFPA 1618, NFPA 1619, NFPA 1620, NFPA 1621, NFPA 1622, NFPA 1623, NFPA 1624, NFPA 1625, NFPA 1626, NFPA 1627, NFPA 1628, NFPA 1629, NFPA 1630, NFPA 1631, NFPA 1632, NFPA 1633, NFPA 1634, NFPA 1635, NFPA 1636, NFPA 1637, NFPA 1638, NFPA 1639, NFPA 1640, NFPA 1641, NFPA 1642, NFPA 1643, NFPA 1644, NFPA 1645, NFPA 1646, NFPA 1647, NFPA 1648, NFPA 1649, NFPA 1650, NFPA 1651, NFPA 1652, NFPA 1653, NFPA 1654, NFPA 1655, NFPA 1656, NFPA 1657, NFPA 1658, NFPA 1659, NFPA 1660, NFPA 1661, NFPA 1662, NFPA 1663, NFPA 1664, NFPA 1665, NFPA 1666, NFPA 1667, NFPA 1668, NFPA 1669, NFPA 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1761, NFPA 1762, NFPA 1763, NFPA 1764, NFPA 1765, NFPA 1766, NFPA 1767, NFPA 1768, NFPA 1769, NFPA 1770, NFPA 1771, NFPA 1772, NFPA 1773, NFPA 1774, NFPA 1775, NFPA 1776, NFPA 1777, NFPA 1778, NFPA 1779, NFPA 1780, NFPA 1781, NFPA 1782, NFPA 1783, NFPA 1784, NFPA 1785, NFPA 1786, NFPA 1787, NFPA 1788, NFPA 1789, NFPA 1790, NFPA 1791, NFPA 1792, NFPA 1793, NFPA 1794, NFPA 1795, NFPA 1796, NFPA 1797, NFPA 1798, NFPA 1799, NFPA 1800, NFPA 1801, NFPA 1802, NFPA 1803, NFPA 1804, NFPA 1805, NFPA 1806, NFPA 1807, NFPA 1808, NFPA 1809, NFPA 1810, NFPA 1811, NFPA 1812, NFPA 1813, NFPA 1814, NFPA 1815, NFPA 1816, NFPA 1817, NFPA 1818, NFPA 1819, NFPA 1820, NFPA 1821, NFPA 1822, NFPA 1823, NFPA 1824, NFPA 1825, NFPA 1826, NFPA 1827, NFPA 1828, NFPA 1829, NFPA 1830, NFPA 1831, NFPA 1832, NFPA 1833, NFPA 1834, NFPA 1835, NFPA 1836, NFPA 1837, NFPA 1838, NFPA 1839, NFPA 1840, NFPA 1841, NFPA 1842, NFPA 1843, NFPA 1844, NFPA 1845, NFPA 1846, NFPA 1847, NFPA 1848, NFPA 1849, NFPA 1850, NFPA 1851, NFPA 1852, NFPA 1853, NFPA 1854, NFPA 1855, NFPA 1856, NFPA 1857, NFPA 1858, NFPA 1859, NFPA 1860, NFPA 1861, NFPA 1862, NFPA 1863, NFPA 1864, NFPA 1865, NFPA 1866, NFPA 1867, NFPA 1868, NFPA 1869, NFPA 1870, NFPA 1871, NFPA 1872, NFPA 1873, NFPA 1874, NFPA 1875, NFPA 1876, NFPA 1877, NFPA 1878, NFPA 1879, NFPA 1880, NFPA 1881, NFPA 1882, NFPA 1883, NFPA 1884, NFPA 1885, NFPA 1886, NFPA 1887, NFPA 1888, NFPA 1889, NFPA 1890, NFPA 1891, NFPA 1892, NFPA 1893, NFPA 1894, NFPA 1895, NFPA 1896, NFPA 1897, NFPA 1898, NFPA 1899, NFPA 1900, NFPA 1901, NFPA 1902, NFPA 1903, NFPA 1904, NFPA 1905, NFPA 1906, NFPA 1907, NFPA 1908, NFPA 1909, NFPA 1910, NFPA 1911, NFPA 1912, NFPA 1913, NFPA 1914, NFPA 1915, NFPA 1916, NFPA 1917, NFPA 1918, NFPA 1919, NFPA 1920, NFPA 1921, NFPA 1922, NFPA 1923, NFPA 1924, NFPA 1925, NFPA 1926, NFPA 1927, NFPA 1928, NFPA 1929, NFPA 1930, NFPA 1931, NFPA 1932, NFPA 1933, NFPA 1934, NFPA 1935, NFPA 1936, NFPA 1937, NFPA 1938, NFPA 1939, NFPA 1940, NFPA 1941, NFPA 1942, NFPA 1943, NFPA 1944, NFPA 1945, NFPA 1946, NFPA 1947, NFPA 1948, NFPA 1949, NFPA 1950, NFPA 1951, NFPA 1952, NFPA 1953, NFPA 1954, NFPA 1955, NFPA 1956, NFPA 1957, NFPA 1958, NFPA 1959, NFPA 1960, NFPA 1961, NFPA 1962, NFPA 1963, NFPA 1964, NFPA 1965, NFPA 1966, NFPA 1967, NFPA 1968, NFPA 1969, NFPA 1970, NFPA 1971, NFPA 1972, NFPA 1973, NFPA 1974, NFPA 1975, NFPA 1976, NFPA 1977, NFPA 1978, NFPA 1979, NFPA 1980, NFPA 1981, NFPA 1982, NFPA 1983, NFPA 1984, NFPA 1985, NFPA 1986, NFPA 1987, NFPA 1988, NFPA 1989, NFPA 1990, NFPA 1991, NFPA 1992, NFPA 1993, NFPA 1994, NFPA 1995, NFPA 1996, NFPA 1997, NFPA 1998, NFPA 1999, NFPA 2000, NFPA 2001, NFPA 2002, NFPA 2003, NFPA 2004, NFPA 2005, NFPA 2006, NFPA 2007, NFPA 2008, NFPA 2009, NFPA 2010, NFPA 2011, NFPA 2012, NFPA 2013, NFPA 2014, NFPA 2015, NFPA 2016, NFPA 2017, NFPA 2018, NFPA 2019, NFPA 2020, NFPA 2021, NFPA 2022, NFPA 2023, NFPA 2024, NFPA 2025, NFPA 2026, NFPA 2027, NFPA 2028, NFPA 2029, NFPA 2030, NFPA 2031, NFPA 2032, NFPA 2033, NFPA 2034, NFPA 2035, NFPA 2036, NFPA 2037, NFPA 2038, NFPA 2039, NFPA 2040, NFPA 2041, NFPA 2042, NFPA 2043, NFPA 2044, NFPA 2045, NFPA 2046, NFPA 2047, NFPA 2048, NFPA 2049, NFPA 2050, NFPA 2051, NFPA 2052, NFPA 2053, NFPA 2054, NFPA 2055, NFPA 2056, NFPA 2057, NFPA 2058, NFPA 2059, NFPA 2060, NFPA 2061, NFPA 2062, NFPA 2063, NFPA 2064, NFPA 2065, NFPA 2066, NFPA 2067, NFPA 2068, NFPA 2069, NFPA 2070, NFPA 2071, NFPA 2072, NFPA 2073, NFPA 2074, NFPA 2075, NFPA 2076, NFPA 2077, NFPA 2078, NFPA 2079, NFPA 2080, NFPA 2081, NFPA 2082, NFPA 2083, NFPA 2084, NFPA 2085, NFPA 2086, NFPA 2087, NFPA 2088, NFPA 2089, NFPA 2090, NFPA 2091, NFPA 2092, NFPA 2093, NFPA 2094, NFPA 2095, NFPA 2096, NFPA 2097, NFPA 2098, NFPA 2099, NFPA 2100, NFPA 2101, NFPA 2102, NFPA 2103, NFPA 2104, NFPA 2105, NFPA 2106, NFPA 2107, NFPA 2108, NFPA 2109, NFPA 2110, NFPA 2111, NFPA 2112, NFPA 2113, NFPA 2114, NFPA 2115, NFPA 2116, NFPA 2117, NFPA 2118, NFPA 2119, NFPA 2120, NFPA 2121, NFPA 2122, NFPA 2123, NFPA 2124, NFPA 2125, NFPA 2126, NFPA 2127, NFPA 2128, NFPA 2129, NFPA 2130, NFPA 2131, NFPA 2132, NFPA 2133, NFPA 2134, NFPA 2135, NFPA 2136, NFPA 2137, NFPA 2138, NFPA 2139, NFPA 2140, NFPA 2141, NFPA 2142, NFPA 2143, NFPA 2144, NFPA 2145, NFPA 2146, NFPA 2147, NFPA 2148, NFPA 2149, NFPA 2150, NFPA 2151, NFPA 2152, NFPA 2153, NFPA 2154, NFPA 2155, NFPA 2156, NFPA 2157, NFPA 2158, NFPA 2159, NFPA 2160, NFPA 2161, NFPA 2162, NFPA 2163, NFPA 2164, NFPA 2165, NFPA 2166, NFPA 2167, NFPA 2168, NFPA 2169, NFPA 2170, NFPA 2171, NFPA 2172, NFPA 2173, NFPA 2174, NFPA 2175, NFPA 2176, NFPA 2177, NFPA 2178, NFPA 2179, NFPA 2180, NFPA 2181, NFPA 2182, NFPA 2183, NFPA 2184, NFPA 2185, NFPA 2186, NFPA 2187, NFPA 2188, NFPA 2189, NFPA 2190, NFPA 2191, NFPA 2192, NFPA 2193, NFPA 2194, NFPA 2195, NFPA 2196, NFPA 2197, NFPA 2198, NFPA 2199, NFPA 2200, NFPA 2201, NFPA 2202, NFPA 2203, NFPA 2204, NFPA 2205, NFPA 2206, NFPA 2207, NFPA 2208, NFPA 2209, NFPA 2210, NFPA 2211, NFPA 2212, NFPA 2213, NFPA 2214, NFPA 2215, NFPA 2216, NFPA 2217, NFPA 2218, NFPA 2219, NFPA 2220, NFPA 2221, NFPA 2222, NFPA 2223, NFPA 2224, NFPA 2225, NFPA 2226, NFPA 2227, NFPA 2228, NFPA 2229, NFPA 2230, NFPA 2231, NFPA 2232, NFPA 2233, NFPA 2234, NFPA 2235, NFPA 2236, NFPA 2237, NFPA 2238, NFPA 2239, NFPA 2240, NFPA 2241, NFPA 2242, NFPA 2243, NFPA 2244, NFPA 2245, NFPA 2246, NFPA 2247, NFPA 2248, NFPA 2249, NFPA 2250, NFPA 2251, NFPA 2252, NFPA 2253, NFPA 2254, NFPA 2255, NFPA 2256, NFPA 2257, NFPA 2258, NFPA 2259, NFPA 2260, NFPA 2261, NFPA 2262, NFPA 2263, NFPA 2264, NFPA 2265, NFPA 2266, NFPA 2267, NFPA 2268, NFPA 2269, NFPA 2270, NFPA 2271, NFPA 2272, NFPA 2273, NFPA 2274, NFPA 2275, NFPA 2276, NFPA 2277, NFPA 2278, NFPA 2279, NFPA 2280, NFPA 2281, NFPA 2282, NFPA 2283, NFPA 2284, NFPA 2285, NFPA 2286, NFPA 2287, NFPA 2288, NFPA 2289, NFPA 2290, NFPA 2291, NFPA 2292, NFPA 2293, NFPA 2294, NFPA 2295, NFPA 2296, NFPA 2297, NFPA 2298, NFPA 2299, NFPA 2300, NFPA 2301, NFPA 2302, NFPA 2303, NFPA 2304, NFPA 2305, NFPA 2306, NFPA 2307, NFPA 2308, NFPA 2309, NFPA 2310, NFPA 2311, NFPA 2312, NFPA 2313, NFPA 2314, NFPA 2315, NFPA 2316, NFPA 2317, NFPA 2318, NFPA 2319, NFPA 2320, NFPA 2321, NFPA 2322, NFPA 2323, NFPA 2324, NFPA 2325, NFPA 2326, NFPA 2327, NFPA 2328, NFPA 2329, NFPA 2330, NFPA 2331, NFPA 2332, NFPA 2333, NFPA 2334, NFPA 2335, NFPA 2336, NFPA 2337, NFPA 2338, NFPA 2339, NFPA 2340, NFPA 2341, NFPA 2342, NFPA 2343, NFPA 2344, NFPA 2345, NFPA 2346, NFPA 2347, NFPA 2348, NFPA 2349, NFPA 2350, NFPA 2351, NFPA 2352, NFPA 2353, NFPA 2354, NFPA 2355, NFPA 2356, NFPA 2357, NFPA 2358, NFPA 2359, NFPA 2360, NFPA 2361, NFPA 2362, NFPA 2363, NFPA 2364, NFPA 2365, NFPA 2366, NFPA 2367, NFPA 2368, NFPA 2369, NFPA 2370, NFPA 2371, NFPA 2372, NFPA 2373, NFPA 2374, NFPA 2375, NFPA 2376, NFPA 2377, NFPA 2378, NFPA 2379, NFPA 2380, NFPA 2381, NFPA 2382, NFPA 2383, NFPA 2384, NFPA 2385, NFPA 2386, NFPA 2387, NFPA 2388, NFPA 2389, NFPA 2390, NFPA 2391, NFPA 2392, NFPA 2393, NFPA 2394, NFPA 2395, NFPA 2396, NFPA 2397, NFPA 2398, NFPA 2399, NFPA 2400, NFPA 2401, NFPA 2402, NFPA 2403, NFPA 2404, NFPA 2405, NFPA 2406, NFPA 2407, NFPA 2408, NFPA 2409, NFPA 2410, NFPA 2411, NFPA 2412, NFPA 2413, NFPA 2414, NFPA 2415, NFPA 2416, NFPA 2417, NFPA 2418, NFPA 2419, NFPA 2420, NFPA 2421, NFPA 2422, NFPA 2423, NFPA 2424, NFPA 2425, NFPA 2426, NFPA 2427, NFPA 2428, NFPA 2429, NFPA 2430, NFPA 2431, NFPA 2432, NFPA 2433, NFPA 2434, NFPA 2435, NFPA 2436, NFPA 2437, NFPA 2438, NFPA 2439, NFPA 2440, NFPA 2441, NFPA 2442, NFPA 2443, NFPA 2444, NFPA 2445, NFPA 2446, NFPA 2447, NFPA 2448, NFPA 2449, NFPA 2450, NFPA 2451, NFPA 2452, NFPA 2453, NFPA 2454, NFPA 2455, NFPA 2456, NFPA 2457, NFPA 2458, NFPA 2459, NFPA 2460, NFPA 2461, NFPA 2462, NFPA 2463, NFPA 2464, NFPA 2465, NFPA 2466, NFPA 2467, NFPA 2468, NFPA 2469, NFPA 2470, NFPA 2471, NFPA 2472, NFPA 2473, NFPA 2474, NFPA 2475, NFPA 2476, NFPA 2477, NFPA 2478, NFPA 2479, NFPA 2480, NFPA 2481, NFPA 2482, NFPA 2483, NFPA 2484, NFPA 2485, NFPA 2486, NFPA 2487, NFPA 2488, NFPA 2489, NFPA 2490, NFPA 2491, NFPA 2492, NFPA 2493, NFPA 2494, NFPA 2495, NFPA 2496, NFPA 2497, NFPA 2498, NFPA 2499, NFPA 2500, NFPA 2501, NFPA 2502, NFPA 2503, NFPA 2504, NFPA 2505, NFPA 2506, NFPA 2507, NFPA 2508, NFPA 2509, NFPA 2510, NFPA 2511, NFPA 2512, NFPA 2513, NFPA 2514, NFPA 2515, NFPA 2516, NFPA 2517, NFPA 2518, NFPA 2519, NFPA 2520, NFPA 2521, NFPA 2522, NFPA 2523, NFPA 2524, NFPA 2525, NFPA 2526, NFPA 2527, NFPA 2528, NFPA 2529, NFPA 2530, NFPA 2531, NFPA 2532, NFPA 2533, NFPA 2534, NFPA 2535, NFPA 2536, NFPA 2537, NFPA 2538, NFPA 2539, NFPA 2540, NFPA 2541, NFPA 2542, NFPA 2543, NFPA 2544, NFPA 2545, NFPA 2546, NFPA 2547, NFPA 2548, NFPA 2549, NFPA 2550, NFPA 2551, NFPA 2552, NFPA 2553, NFPA 2554, NFPA 2555, NFPA 2556, NFPA 2557, NFPA 2558, NFPA 2559, NFPA 2560, NFPA 2561, NFPA 2562, NFPA 2563, NFPA 2564, NFPA 2565, NFPA 2566, NFPA 2567, NFPA 2568, NFPA 2569, NFPA 2570, NFPA 2571, NFPA 2572, NFPA 2573, NFPA 2574, NFPA 2575, NFPA 2576, NFPA 2577, NFPA 2578, NFPA 2579, NFPA 2580, NFPA 2581, NFPA 2582, NFPA 2583, NFPA 2584, NFPA 2585, NFPA 2586, NFPA 2587, NFPA 2588, NFPA 2589, NFPA 2590, NFPA 2591, NFPA 2592, NFPA 2593, NFPA 2594, NFPA 2595, NFPA 2596, NFPA 2597, NFPA 2598, NFPA 2599, NFPA 2600, NFPA 2601, NFPA 2602, NFPA 2603, NFPA 2604, NFPA 2605, NFPA 2606, NFPA 2607, NFPA 2608, NFPA 2609, NFPA 2610, NFPA 2611, NFPA 2612, NFPA 2613, NFPA 2614, NFPA 2615, NFPA 2616, NFPA 2617, NFPA 2618, NFPA 2619, NFPA 2620, NFPA 2621, NFPA 2622, NFPA 2623, NFPA 2624, NFPA 2625, NFPA 2626, NFPA 2627, NFPA 2628, NFPA 2629, NFPA 2630, NFPA 2631, NFPA 2632, NFPA 2633, NFPA 2634, NFPA 2635, NFPA 2636, NFPA 2637, NFPA 2638, NFPA 2639, NFPA 2640, NFPA 2641, NFPA 2642, NFPA 2643, NFPA 2644, NFPA 2645, NFPA 2646, NFPA 2647, NFPA 2648, NFPA 2649, NFPA 2650, NFPA 2651, NFPA 2652, NFPA 2653, NFPA 2654, NFPA 2655, NFPA 2656, NFPA 2657, NFPA 2658, NFPA 2659, NFPA 2660, NFPA 2661, NFPA 2662, NFPA 2663, NFPA 2664, NFPA 2665, NFPA 2666, NFPA 2667, NFPA 2668, NFPA 2669, NFPA 2670, NFPA 2671, NFPA 2672, NFPA 2673, NFPA 2674, NFPA 2675, NFPA 2676, NFPA 2677, NFPA 2678, NFPA 2679, NFPA 2680, NFPA 2681, NFPA 2682, NFPA 2683, NFPA 2684, NFPA 2685, NFPA 2686, NFPA 2687, NFPA 2688, NFPA 2689, NFPA 2690, NFPA 2691, NFPA 2692, NFPA 2693, NFPA 2694, NFPA 2695, NFPA 2696, NFPA 2697, NFPA 2698, NFPA 2699, NFPA 2700, NFPA 2701, NFPA 2702, NFPA 2703, NFPA 2704, NFPA 2705, NFPA 2706, NFPA 2707, NFPA 2708, NFPA 2709, NFPA 2710, NFPA 2711, NFPA 2712, NFPA 2713, NFPA 2714, NFPA 2715, NFPA 2716, NFPA 2717, NFPA 2718, NFPA 2719, NFPA 2720, NFPA 2721, NFPA 2722, NFPA 2723, NFPA 2724, NFPA 2725, NFPA 2726, NFPA 2727, NFPA 2728, NFPA 2729, NFPA 2730, NFPA 2731, NFPA 2732, NFPA 2733, NFPA 2734, NFPA 2735, NFPA 2736, NFPA 2737, NFPA 2738, NFPA 2739, NFPA 2740, NFPA 2741, NFPA 2742, NFPA 2743, NFPA 2744, NFPA 2745, NFPA 2746, NFPA 2747, NFPA 2748, NFPA 2749, NFPA 2750, NFPA 2751, NFPA 2752, NFPA 2753, NFPA 2754, NFPA 2755, NFPA 2756, NFPA 2757, NFPA 2758, NFPA 2759, NFPA 2760, NFPA 2761, NFPA 2762, NF

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.



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.

APPENDIX A – KEY PERSONNEL (EXPANDED)

Key Staff & Personnel

The following summarizes our key staff and personnel in expanded detail:



Jon Hanson, MSPM, Managing Director

Location: Berkeley Heights, NJ

Jon Hanson's family history in gas-fueled live fire training systems began in the 1970's. His Father, Jim Hanson, was one of the pioneers of the earliest propane fueled fire training system technology for the United States Navy beginning in 1979. Jim, in multiple roles for Symtron Systems, Inc., lead the development of more than one dozen Navy surface (shipboard) and sub-surface (submarine) live fire training facilities. He advocated for an executed the extension of the technology into other market segments beginning with FDNY as the first Municipal customer in 1987 and Fayetteville Airport as the first large-area propane-fueled fuel spill trainer in 1992.

Jon began his career in gas-fueled live fire training systems with Kidde Fire Trainers (then owned by United Technologies Corporation) in 2005 in Marketing. He ran Sales & Marketing for the company for North America, Latin America and China and also Project Managed several high profile installations. In his tenure there, Jon invented numerous products including the Portable Fire & Hazmat Fire Trainer, Mobile Hazmat/WMD Trainer, Hazmat Rollover Tanker Trainer, and Mobile Arson Investigation Training Unit. After eight years in a variety of roles at Kidde, Jon left the Company. He began Consulting for Fireblast Global, Inc. in 2013. Under a five year contract where he ran the company's global sales and marketing, Jon led a significant geographic and product line expansion. The company's product portfolio boomed from 10 products to more than 30 during that time and its geographic reach went from two countries to more than 20.

Jon is a certified fire fighter in NJ. He holds a Bachelor's Degree in Management Science and a Master of Science in Project Management (MSPM) from Boston University. He has an advanced Graduate Certificate in Training & Development.



Pete Romero, Director of Engineering

Location: Los Angeles, CA

Pete Romero's experience in gas fueled flame effects began in the early 2000's. Pete began his flame effects career at WET Design, WET is an integrated architecture, design, manufacturing, and engineering firm that creates water fountains and experiences all over the world. An industry

leader of the world's most iconic water and fire features such as The Bellagio Hotel and The Mirage Hotel in Las

Vegas. In 2002, Pete worked for 10 years as Director of Field Services where he was responsible for overseeing the installation, accuracy, and design integrity of numerous multimillion-dollar flame effect projects throughout the world. Pete's responsibilities also included management of flame effect

equipment compliance and certification. He has worked directly with testing agencies and laboratories to achieve product certification.

In 2012, Pete left WET Design and joined Fireblast Global, Inc. Fireblast is a Firefighter equipment manufacture of Industrial, Commercial, Home, Maritime and Aircraft live fire training simulators. Pete began worked for 7 Years in Fireblast's engineering department, culminating his tenure there as head of the department. He was responsible for the development of several fire training products such as the B-737, F-18, F-35, Hazmat Tankers, Maritime Ship Trainer, Large Flammable Liquids Spill, File Cabinets, BBQ Grill, Double Bed, Single Bed and Balcony Live Fire Simulators. Pete's responsibilities also encompassed overseeing the installation accuracy and design integrity of flame effect projects worldwide and managing of the flame effect equipment compliance and certification.

In 2019, Pete left Fireblast Global, Inc. and joined CSA Group. CSA is a global organization dedicated to safety, social good and sustainability. CSA is a leader in Standards Development and in Testing, Inspection and Certification around the world including Canada, the U.S., Europe, and Asia. CSA provides global product testing and certification for a wide variety of commercial products, industrial products, and flame effects equipment. As a leading standards organization, CSA is the trusted product certification experts. Pete's responsibilities included performing field evaluations on custom equipment with the objective of validating regulatory compliance. His expertise relates specifically to gas fueled Live Fire Training Simulators and Flame effects, including for major theme parks such as Disneyland and Universal Studios. He is an equipment expert including custom electrical, gas, and mechanical equipment from industrial control panels, automated manufacturing, semiconductor fabrication, luminaires, switchboards, robotics, heating and cooling, distributed generation and energy storage systems.



Byron Charbonneau, Mechanical Engineer

Location: Foothills, AB

Byron has over 20 years of experience as a mechanical design engineer in the automotive, aerospace, fire training, and renewable energy fields. His mechanical aptitude and skills to design and develop a wide array of complex mechanical and electrical equipment make him an asset to any project.

Byron was part of Draeger Safety from 2007 through 2017 where he worked on countless product and infrastructure design projects including Structural, Outdoor, Mobile Structural, and Fire Behavior training units. In addition to his design expertise, Byron is experienced with PLC controlled electrical equipment and human machine interfaces (HMI). He integrated and installed the Draeger training products into multiple, diverse large scale projects.

Byron contributed significantly to the NFPA 1402 Standard on Fire Training Facilities and Associated Props. Additionally, he has an extensive fire fighting background, having served as both a volunteer and paid firemen in Alberta.



Lucas Sanz, Mechanical Engineer

Location: Berkeley Heights, NJ

Lucas has over 15 years of experience as a Mechanical Engineer. He holds degrees in Project Management and Mechanical Engineering. He is well versed in vapor and liquid pipe trains, flame pilot ignitions systems, safety instrumentation, and steel prop design. Lucas' time is split between facility interface (applications engineering) and product design.

Lucas has worked on dozens of fire training product designs and Facility Interface Documents (FIDs) in his career. Lucas led the design of the newest FDNY Fire Training Simulator for Symtech.



Vercelis Samaniego, Project Engineer

Location: Berkeley Heights, NJ

Vercelis has over 20 years of combined mechanical design and project engineering experience within manufacturing and construction industry. He excels in preparation of Facility Interface Documents (FIDs) for new fire training facility projects. Vercelis has extensive experience with metal framing design, sheet metal design, and piping layout and design. His knowledge of Project Management, Project Control, and Total Quality Management (TQM) adds to his value in larger, more complex projects.

Vercelis worked at Symtron/Kidde Fire Trainers from 2001 to 2012 as a Mechanical Engineer. His advanced educational background includes a Master's Degree in Engineering Management.



Ross Riddell, Field Construction Manager

Location: Pembroke Pines, FL

Ross has over 30 years of experience in the Public Safety field that covers fire and rescue training and response, as well as incident management at both the operational and executive level. He was the Deputy Public Safety Manager of Auckland International Airport (AKL) in New Zealand. From there, Ross was retained by Fire Control Fiji Limited and the Fijian Government to revamp the Fire and Rescue services for the Country. Tasks included the establishment of a National Response team for all emergencies on the island, preparation of a transferable incident management plan between services, establishing co-operative and functional relationships with all emergency services in the provision of a strategic emergency response management system, and set up of effective and efficient administrative procedures to ensure the capability to maintain the collective response systems established.

Ross has led numbers field construction efforts for both new construction and major renovations.

He has been involved in the planning, conceptualization, and project management of major fire related infrastructure and training facility projects domestically and abroad. Ross was Client Representative for the concept, design and construction management of an \$18 million ARFF Trainer (*including LPG fires*) at Pago Pago Int'l Airport (PPG). Ross has consulted for AECOM Engineering as part of their Aviation

Rescue Firefighting Team. He was also formerly contracted to the World Bank through the Technical and Fiduciary Services Unit (TFSU) as their Fire and Rescue consultant under the World Bank Airport Improvement Program.

Anthony Eckeresall, Lead Software Engineer

Location: Los Angeles, CA

Anthony is the on-staff lead for all Symtech software programs, including for Structural Fire Simulator ST/ST-PRO systems. Anthony has over two decades of experience in program development.

Oscar Gonzalez, Panel/Electrical Fabricator

Location: Los Angeles, CA

Oscar is Symtech's lead Flame Control Panel (FCP) Electrical Fabricator. He has over 15 years of electrical fabrication and panel building experience.



Chief (Ret.) Jim Nilo, C.M., ACE, IACE, Commissioning/Training Manager

Location: Richmond, VA

Jim is a retired Fire Chief from Richmond International Airport (RIC) and part-time instructor for Virginia Department of Fire Programs (VDFP). Jim led the project planning, budgeting and procurement for the first ever Mobile Aircraft Simulator for the VDFP in the late 1990's manufactured by Symtron Systems, Inc. He has been involved in commissioning and training of numerous training projects in his career.

After retiring from RIC, Jim joined Jon Hanson and the Fireblast team where Jim worked in technical publications, project development, and he provided end-user training. Jim leads the Technical Publications Department (O&M Manuals) Department for Symtech.

Outside of his role with Symtech, Jim consults for AAAE , the American Authority of Airport Executives.



Greg Pascola, Field Installation/Fire Behavior Expert

Location: Los Angeles, CA

Greg Pascola recently retired from a 38-year career with Los Angeles Fire Department, CA. Separately, he is a living legend in fire behavior, excelling in knowledge, teaching, and product development. Greg was in at the ground floor when the first Flashover Training Units were brought to the US market.

In addition to providing design input to the Flashover Simulators (including many iterations and improvements), Greg worked as a fabricator and on-site installation/assembly foreman. More importantly, Greg established the original training curriculum for fire behavior training and observation. Few individuals understand the nuances of fire behavior better, from fuel-loading, to thermal layering, and much more. Greg collaborated with New York City fire fighters to incorporate their

learnings on smooth-bore nozzles and their effectiveness at piercing thermal layers without disruption into his teachings.

Greg is a long-tenured fire officer, instructor, and he is a fire training systems expert with strong mechanical aptitude.



Linda Feng, Customer Service Manager

Location: Los Angeles, CA

Linda leads Symtech's Customer Service Department. She manages both full and part-time service team members, including scheduling and dispatch.

Prior to joining Symtech, Linda led the customer service organization for several small and medium size companies in a variety of industries ranging from flame and water effects to heavy industrial equipment.



John "Bart" Simpson, Field Service Technician

Location: Osceola County, FL

John "Bart" Simpson is a 42-year veteran and student of the Fire Service. He started his fire service career with the Peters Township Fire Department (Pa), where he held the rank of Captain. John then moved to Florida where he has worked for Palm Bay Fire Rescue, Titusville Fire Department and is currently employed by Osceola County Fire Rescue assigned to Tower Ladder 72.

He has held the position of Training Officer with all the departments he has worked for. John currently teaches at The Central Florida Fire Institute, as well as Gaston College and On Scene Training Associates LLC. He has taught for Brevard Community College Fire Training Academy. He also has been an Instructor at FDIC, FDIC East, Firehouse Expo, Firehouse World and has been featured on Fire Engineering's "Training Minutes" along with teaching nationally and internationally. John is the lead instructor for his department's Truck Company Operations program. He is one of the founding members of the Fraternal Order Of Leatherheads Society (F.O.O.L.S. International).

Bart is a part-time Field Service Technician for Symtech.



Maria Oubina, Marketing / Office Manager

Location: Berkeley Heights, NJ

Maria is responsible for external product development research, pricing, web and social media, and accounts payable. She holds a Bachelor's Degree from Montclair State University and a Master's Degree from Fairleigh Dickinson University. Maria joined Symtech in 2020. Prior to her tenure with Symtech, she provided Marketing Consulting for small and large firms for more than 10 years.

**Paul Ellis, Project Development***Location: Cambridge, ON*

Paul has extensive fire training systems experience. He worked at Pro Safe Fire Training Systems, Inc. and Fireblast Global for 5 years each respectively, prior to joining Symtech in 2021. Throughout his career, Paul has been involved in the planning, budgeting, and execution of more than 45 fixed and mobile training facilities.

Paul supports Symtech customers with identifying optimal solutions that meet both their training needs and budgets. He prepares detailed performance specifications, proposals, and helps coordinate with other trades for comprehensive planning estimates.

Paul holds a Bachelor's Degree from the University of Toronto.