

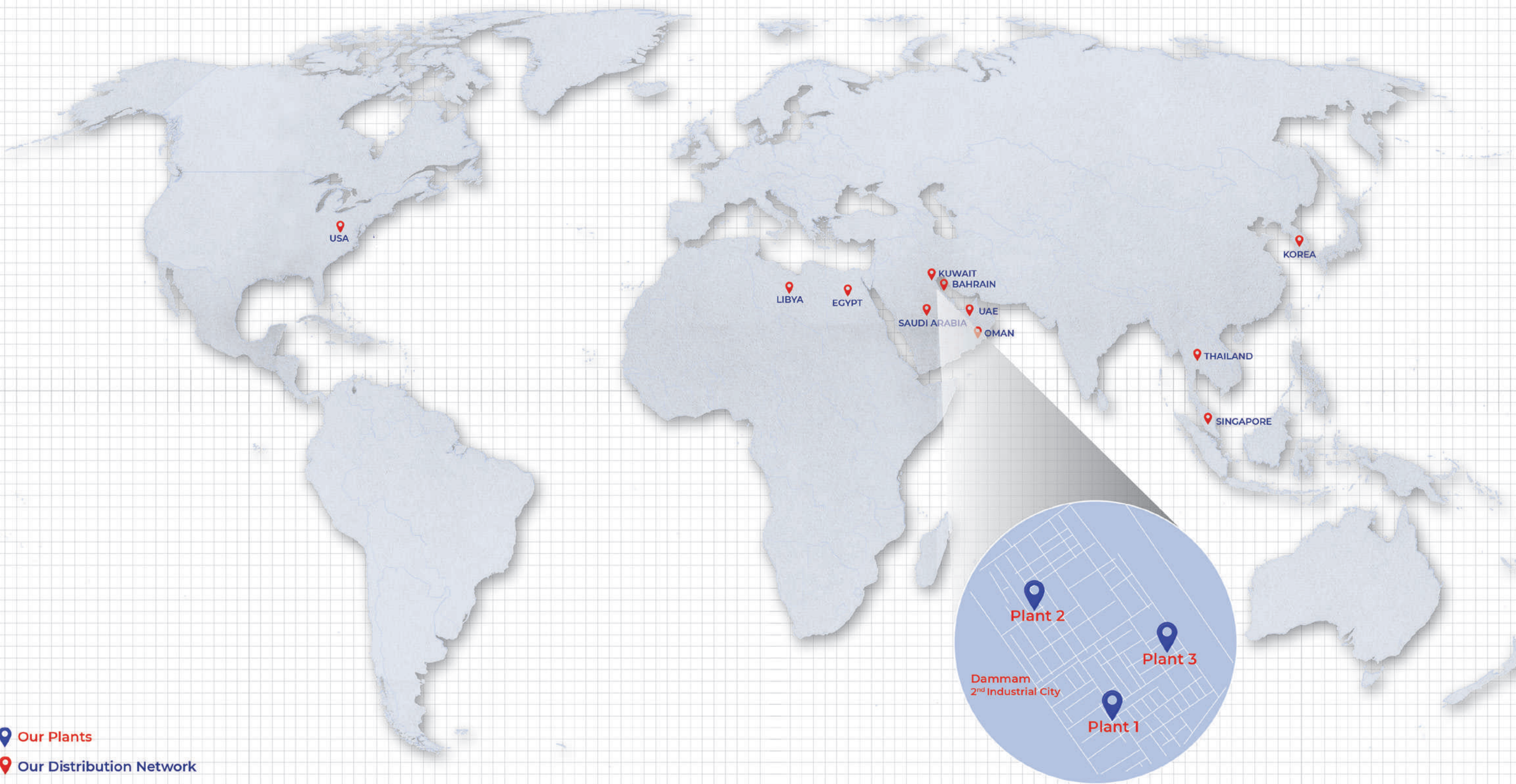


PRODUCTS & SERVICES
CATALOG



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OUR
NETWORK
WITHIN YOUR REACH



FIRSTLY
THANK YOU
FOR CONSIDERING US!

“To provide cutting-edge solutions in the Fire, Safety and Security Fields”

OUR MISSION

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YOUR PARTNER IN CUSTOMIZATION

FHC's Quality and Occupational Safety & Health Management System ensures product quality from receipt of raw materials to the shipment of the finished product, while linking environmental management with day-to-day planning and operation. Thus, FHC's management systems meet the highest quality standards specified by the most stringent international codes. The implementation of sustainable manufacturing tools and methodologies provides the capability to produce and deliver high-quality products efficiently..

ABOUT US

FHC is a leading manufacturer of custom designed and integrated fire-protection equipment with over two decades of experience in industrial applications across the MENA region. FHC has state-of-the-art plants with 300,000 sq. ft in footprint located in Dammam 2nd Industrial Area in Saudi Arabia, served by competent engineers and up-to-date fabrication equipment allowing us to design, produce, and assemble a wide range of fire and safety products and systems.

FHC has deep knowledge of industrial applications backed up by close relationships with well-known world manufacturers in the field of fire protection.

FHC has four main manufacturing/fabrication lines in which different types of products and systems can be designed, manufactured and integrated.

- I. Vehicles, Trailers, and Containers
- II. Pipes and Skids
- III. Cabinets and Hose Reels
- IV. Fire Suppression Systems



We design TOGETHER

Our customers are at the heart of our business. your requirement and FHC engineers will design a solution specifically to meet your needs.



We stand for SAFETY

We believe in working with you on a personal basis to ensure precision until you are completely satisfied. So, when it comes to safety, rest assured that we have all the bases covered.



We think QUALITY

Our goal is to provide exceptional quality, tailored services, and continual support. We exist to protect the lives of people and the community in which we live and work. This is why we always strive for excellence in all that we do.



And we do it ON TIME

Customization on time is always critical and the FHC team will strive to meet our customers' demands in a timely manner.

INDUSTRIES SERVED

FHC designs and manufactures products and systems that are used in various sectors: Oil & Gas, Petrochemical, Drilling, Mining, Maritime, Power, Water Treatment, and other Industrial and Governmental sectors.

FHC has deep knowledge of the requirements in these sectors backed up by close relationships with well-known world manufacturers in the field of fire protection.

It's no secret that these industries face numerous hazards on a daily basis. Our staff is trained and experienced in providing solutions to the companies within these industries. FHC is prepared to help you reduce risk and protect your people.

Contact us today to find out how we can help keep your people and assets safe from the hazards of these industries.



ENGINEERING CAPABILITIES



OUR MAIN AREA OF EXPERTISE

What we do best

FHC Engineering utilizes the latest versions of industry-leading 3D solid modeling software, to create realistic 3D models for prototypes and also for supplier/client communication.

We perform Finite Element Analysis in actual boundary conditions for all prototype 3D models to optimize the design and cost prior to manufacture. Our design team streamlines the overall design cycle and manufacturing process to enhance the product life span.

Working with 3D models also allows for a seamless integration with our FEA and CFD analysis software and offers the ability to create photo-realistic renderings and animations useful for design proposals and marketing material.

We have dedicated engineers and CAD technicians utilizing SolidWorks Pipe net and PV-elite for design and simulation. Detailed shop-floor drawings are generated to make our fabrication process easier.



CERTIFICATION & ACCREDITATION

FHC's Quality and Occupational Safety & Health Management System ensures product quality from receipt of raw materials to the shipment of the finished product, while linking environmental management with day-to-day planning and operation.

Thus, FHC's management systems meet the highest quality standards specified by the most stringent international codes. The implementation of sustainable manufacturing tools and methodologies provides the capability to produce and deliver high-quality products efficiently..

- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007
- U Certificate (U-55259) ASME VIII Div.1
- R Certificate (10660) National Board
- Underwriters Laboratory (UL)
- Approvals for fire doors and fire suppression systems.
- Factory Mutual (FM) Approvals for fire suppression systems.
- Product compliance & test certification from BUREAU VISTAS, TUV & INTERTEK

The extensive use by FHC of the most up-to-date NDE methods of inspection allows us to provide our customers with the highest quality and reliability.

CERTIFICATION & ACCREDITATION



DIVISIONS

FHC has four main manufacturing/fabrication lines in which different types of products and systems can be designed, manufactured, and integrated.

- I. Vehicles, Trailers, and Containers
- II. Pipes and Skids
- III. Cabinets and Hose Reels
- IV. Fire Suppression Systems

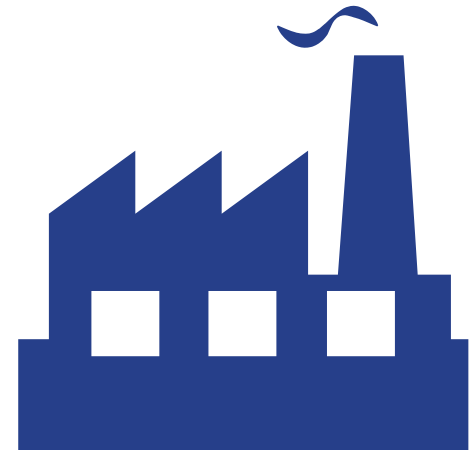




VEHICLES, TRAILERS & CONTAINERS

FHC facilities are licensed to design and fabricate trailers and specialized vehicles applying the latest transport industry regulations and standards. We are also a member of the National Truck & Equipment Agency (NTEA) of the USA.

FHC's edge comes from the custom-designed aluminum [US spelling] extrusions used for light weight and strength purposes, reducing fabrication time and producing a smoother finish.



ESTABLISHED

2007

QUICK ATTACK VEHICLE



The Quick Attack Vehicle is designed to meet the requirement of a wide array of services incorporated into each initial-attack fire apparatus.

This vehicle combines a light rescue body with multiple compartments and an open center rear- body area for slide-in mounting of fire fighting packages plus a storage tank with a PTO-driven hydraulic pump to transfer fuel.

FEATURES

- Customized Aluminum Extrusion body with higher strength-to-weight ratio.
- Roll-out slide and tilt-down trays.
- SCBA cylinder storage racks.
- Electric Rewind booster reel on top of the water tank with rollers.



OPTIONS

- Water/foam pump system.
- Foam proportioning system.
- High/medium flow monitors.

LIGHT RESCUE VEHICLE



Rescue Vehicles are designed to carry specialized equipment for technical rescue situations such as fire, chemical, and road accidents. These vehicles are equipped with rescue tools and equipment to extricate the victims and protect the accident zone.



FEATURES

- Customized aluminum extrusion body with higher strength-to-weight ratio.
- Roll-up, anodized aluminum shutter doors.
- Heavy-duty storage tray with tilt slider.
- NFPA #1901 compliant Vehicle.

OPTIONS

- Telescopic light mast with wireless remote-control operation.
- Front-mounted electric winch of capacity 12,000 lbs, with 30-meter cable.
- Hydraulic rescue tools and equipment.
- D-Scott SCBA cylinders (6 Nos) with harness, face mask and quick coupler.

FUEL TRANSFER VEHICLE

The Fuel Transfer Vehicle is designed to provide quick maintenance operations and deliver refueling services when required for stationary engines on other engine-powered equipment and vehicles. This vehicle has an on-board fuel storage tank with a PTO-driven hydraulic pump to transfer fuel.



FEATURES

- Custom-built flatbed trailer.
- Torsion-type flex body mount.
- Hydraulic self-priming centrifugal fuel-transfer pump.
- Precise nozzle with automatic fuel shut-off.

OPTIONS

- Fuel storage tanks from 300 to 2,500g.
- Hydraulic/air-driven hose reel with rewind control.
- Digital flow meter.

HOSE RECOVERY VEHICLE



The Hose Recovery Vehicle is designed to store and deploy specific loads of large diameter hose (LDH). Hose reloading devices are also available.



Access to the hose beds are through three rear-body hinged doors. The hose beds are also totally accessible from the top of the body, via a removable Hypalon hose bed cover.

MOBILE SERVICE VAN



The Mobile Service Van is designed to provide periodic maintenance and on-call service of field equipment that cannot be brought to a workshop for repairs and maintenance work. The customized van offers 24/7 on-site service support. We ensure maximum space utilization along with ease of work, performance, and reliability.

FEATURES

- State-of-the-art interior based on compact, strong, and ergonomic design.
- Servo-assisted, swivel-type loading ramp with knurled slip-proof aluminum platform.
- Telescopic roof-mounted crane with handheld control unit.
- Customized work bench with fully extractable drawers.

OPTIONS

- Fully air-conditioned mobile workshop.
- FM 200 & NOVEC 1230 refilling unit with air-driven double-acting pump.
- Electric and pneumatic winder.
- Generator and weld unit.

4X4 MAINTENANCE TRUCK



FEATURES

- Tubular structure profiles and rear body to provide good strength-to-weight ratio with greater payload.
- Central Tire Inflation System (CTIS).
- Robot mast light with high illumination and wireless remote control.
- Fully air-conditioned work area.

OPTIONS

- Truck, 6x6 drive configuration with maximum permissible mass of 41,000kg.
- Customized external and internal compartment storage area.
- Sheet profile panel doors with gas struts.

These trucks are designed for maintenance teams providing 24/7 service in remote locations, irrespective of the road conditions. The design is based on light weight, even weight distribution and low center of gravity, ensuring your maintenance team will reach the desired location safely, equipped with all the needed tools to perform the job.

TYPE I, II& III AMBULANCE VEHICLES



The mission of the FHC Ambulance is to provide high levels of care by utilizing state-of-the-art equipment in order to provide comfort and support for the patient and family.



FEATURES

- Superb overall design and construction with innovative standard features that offer comfort, safety, and savings.
- An innovative ambulance that delivers customer expectations and assists paramedics in saving lives.
- Equipped with top-of-the-line features inside the patient area, like anti-microbial cabinetry and formed seamless biohazard-resistant upholstery, all wrapped in a safety-focused structure.

OPTIONS

- Ambulances available as Type I, Type II, Type III, and customized.
- Design in accordance with KKK, EMS & NFPA-1917.

FOAM TOTE TRUCK/ TRAILER



The Foam Tote Truck/Trailer provides large storage capacity for foam concentrate totes along with a high-performance engine-driven pump to transfer the foam at a high flow rate. Foam totes are stored in a steel tubing framework and can be loaded and unloaded easily by forklift.



FEATURES

- Custom-built trailer steel structure.
- Carrying capacity 36 metric tons, GVWR.
- Dust-proof enclosure for pump unit.
- Foam totes storage capacity: 22,000 liters.

OPTIONS

- Removable steel side-rack enclosures.
- SS flanged and bolted piping.

BREATHING AIR TRAILER

The Breathing Air Trailer is designed to supply air and respiratory protection for a variety of industrial applications including hazardous material handling, petrochemical and confined-space operations. Our special design will help users to reduce their effort and ensure maximum safety.



FEATURES

- Offers continuous and quick-breathing air supply.
- Dust and water proof by utilizing airtight roll-up shutters and sealed doors.
- Solid body strength with custom, ergonomic design.
- Fast access to SCBA cylinders. Easily accessible manually operated hose reels with a hose capacity of 300 feet.
- Custom-built trailer construction.
- User-friendly control panel.



OPTIONS

- OT/CGA approved air cylinder 4500/6000PSI, automatic/manual SCBA filling.
- D-SCBA cylinders (4 Nos) with harness, face mask, and quick coupler.
- Single-axle trailer with closed body.
- Two-point trailer jack plus jockey wheel.

FOAM SYSTEM TRAILER

The Foam System Trailer offers a variety of nozzles designed to meet customer requirements in various GPM ratings, while the integrated tote is positioned for a low center of gravity. The Foam Trailer with monitor is used for continuous generation of foam solution and is capable of large-volume discharge to elevations never before attained by conventional equipment to provide fire suppression, cooling, personnel protection, toxic gas dispersion, and more.



FEATURES

- Custom-designed foam trailers are equipped with suitable axles and suspension systems that meet GVWR requirements.
- UV protection steel enclosure for hose reel.

OPTIONS

- Available with water-driven foam pump, direct-drive foam pump and direct-injection foam system.
- Monitors with ratings of 1,000 to 10,000gpm.
- Monitor operation: manual or wireless remote control.

FOAM MONITOR TRAILER

FHC custom engineers and builds foam trailers for specific purchaser requirements. Foam monitors and foam nozzles are supplied by leading global manufacturers in various GPM/LPM ratings up to 2,000gpm. The foam plumbing system is provided with four large-diameter hose inlets for the foam monitors. A variety of foam educting nozzles and foam injection systems are available. Foam storage totes are integrated into the trailer design for excellent load balance and low center of gravity.



FEATURES

- Custom-built Foam Monitor Trailer is equipped with suitable axles, tires, and suspension systems to meet GVWR requirements.
- Trailer steel framework and compartments are fabricated in various configurations.

OPTIONS

- Foam pump and proportioning system can be integrated.
- Monitors with ratings of 1,000 to 10,000gpm.
- Monitor operation: manual or wireless remote control.
- Dry-chemical and dual-agent units.

FIRE EQUIPMENT CONTAINER

The Equipment Container is designed for the mobilization of miscellaneous fire fighting accessories like hoses, connectors etc. With proper mounting and storage along with protection from water and dust.



FEATURES

- Hose rack with ramp.
- Rolling storage cart.
- Heavy-duty rollout tray up to 900kg with slam-lock handles..
- Accessories compartment.
- Rollout tool boards.

OPTIONS

- Optional container body length from 10–45ft.
- Hinged or roll-up doors.
- Ramp and winch loading system.

BREATHING AIR SYSTEM

Breathing Air Systems are designed to provide a combination of services for remote site emergency and non-emergency operations. These units are equipped with various sizes of air compressor, a 4-to-12 air cylinder storage system, and air cascade or air compressor control panels with SCBA enclosed filling stations. The entire package meets or exceeds NFPA standards.



FEATURES

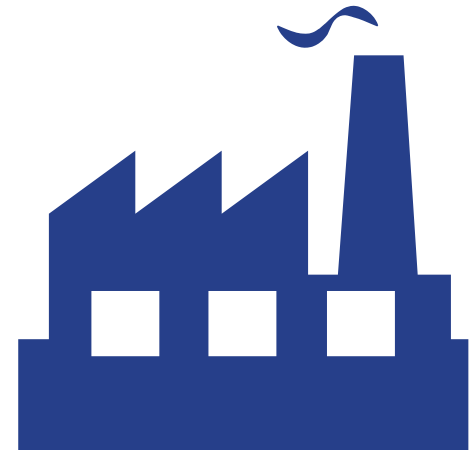
- Mobile or fixed solutions.
- Breathing air cascade system.
- Air storage cylinders.
- Breathing air filling station.
- Breathing air compressor.
- Gas detection system.
- Respiratory protection.





PIPES & SKIDS

FHC provides the market with a wide range of Foam and Deluge Skids customized to need using state-of-the-art modeling and engineering solutions. In addition to skids, we are specialized in various custom- designed structural steel works. Our engineering team and certified welders work with WPS & PQR approved welding processes, producing products of excellence and guaranteeing client satisfaction.



MANUFACTURING FOOTPRINT
300,000 sq. ft.

ELEVATED MONITOR STRUCTURE

The vertical tower is engineered with bolted construction so that it can be inexpensively shipped in a crate unassembled. Safety is engineered into every structure. FHC engineers have pre-determined supply piping options to feed the various types and sizes of monitor. The monitors can be supplied from various global manufacturers with both manual and electronic drive systems. Corrosion protection is standard with shot blasting of all components prior to application of epoxy paint. FHC offers a wide range of structures to meet your system needs. The entire system will be configured, tailored, and programmed to suit your individual hazard requirements. Complete documentation, certification, and installation conformity information will be provided for the entire system.



- ### FEATURES
- Non-slip abrasive coating of steel surface, welded to sub-frame with angle support brackets to tower.
 - Chemically cleaned, primed, and epoxy painted after assembly.
 - Corrosion-resistant materials used throughout construction.
 - Vertical personnel enclosure around ladder – all welded steel.
 - Ladder steps – non-slip type.
 - Railings, steps, and ladder enclosure painted safety yellow.

MOBILE HOSE CARRIER



OPTIONS

- Type-1 trays are coated with a vinyl polyester (PVC). The PVC coat helps protect hoses from tearing due to direct contact with corroded or abraded metal.
- Type-2 hose carts are coated with polyurethane (PU). This type of structure is heavy duty and can hold more weight compared to Type-1.

FEATURES

- Holds approximately 3000 ft (914 m) of hose
- Can hold approximately 3 x 3.5m hard suction hoses
- Equipped with 4 large heavy duty caster wheels with locks
- Height-adjustable racks for customization
- Extend-able / length-adjustable hard suction hose holder
- PVC coated trays protect against tearing from direct contact with corroded or abraded metal

EYE WASH & SHOWER



OPTIONS

Wall-mounted Units:

- Safety eye wash
- Safety eye/face wash
- Safety shower

Pedestal Unit:

- Safety eye/face wash
- Safety shower

Combination Unit:

- Eye wash & safety shower

Combination Unit With Chiller System:

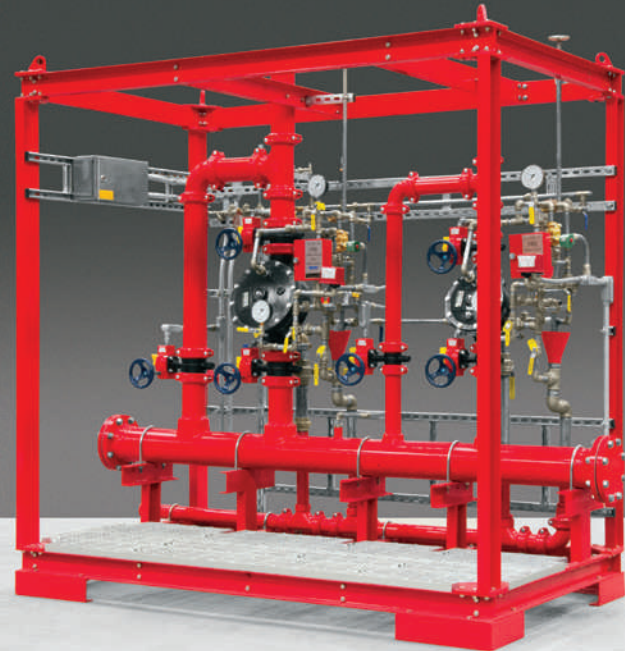
- Eye wash & safety shower

FEATURES

- Explosion-proof type alarm device (visible & audible) explosion-proof type instrument part
- (junction box, flow switch & etc) scald protection valve
- Plastic nozzle cap
- Plastic universal emergency sign plate insulation & jacketing
- Sunshade & grating

DELUGE VALVE SKID

Customized piping and Deluge Valve Skid assemblies are an FHC specialty. All assemblies meet applicable NFPA, EN, and strict industrial standards. Welding is performed by certified welders meeting the highest quality levels in full compliance with NFPA and ISO 9001-2008 standards.



FEATURES

- Pre-assembled to reduce installation time.
- Cost effective.
- Factory tested.
- UL listed and FM approved components.

OPTIONS

- Can adapt to any operation: hydraulic, electric, pneumatic or combination.
- Stainless steel #304/316 L, Monel®, or purchaser specification.
- Service: Fresh/sea water, pre-mix foam AFFF
- Skid frame: carbon steel or hot-di galvanized.
- Components: deluge valve, check valves, and control valves are OEM supplied.
- Finish: painted, powder coated, epoxy coated, or stainless steel

FOAM SKIDS



FEATURES

- System can use either potable or sea water.
- Foam liquid concentrate tank is made of polyethylene or stainless steel and continuously supplies foam concentrate to the foam pump.

OPTIONS

- All stainless steel piping; enclosures and salt-spray testing can be provided for off-shore applications.
- UL and FM: third-party listed components available.
- Explosion-proof equipment: motors, electronic controllers, switches, and other devices can be engineered for each application or specific hazards.
- Interconnection piping: beyond the foam skid FHC can supply water inlet or discharge piping and control valves.
- Environment and sun shade: steel structural enclosure and sun shade available to protect components.

Foam skids are custom engineered to meet client specifications and these designs will match the requirements of your fire-protection challenges.

A foam tank is located on or adjacent to the skid which allows for refilling of the foam tank during operation, or additional foam liquid concentrate can be supplied directly in to the system from a client's foam tanker or foam totes.

Major Materials

Foam tanks with options of cross-linked PP, GRP or CS/SS complying to API 650 standards, foam transfer pump, deluge valve, ratio flow controller, foam concentrate control valve, electronic control panel.

HYDRANT & MONITOR ASSEMBLY



FHC Series 600 wet-barrel fire-hydrant assemblies are custom designed and fabricated to the specific needs of each customer.

The units meet or exceed applicable sections of NFPA and other industrial standards. The purpose of the wet-barrel fire hydrants is to provide pressurized fire-water supply connections from on-site fire-pump and water- main distribution systems.

FEATURES

- **Testing:** hydrostatically tested to 17 bar (250 PSI) or as specified.
- **Piping:** ASTM A106 Gr.B, AST A53 Gr.B, or API 5 Gr.B.
- **Welding:** ASME IX Welding Code and approved WPS and PQR.
- **Water only or foam self-educing with pick-up Ttube-type nozzle.**
- **Flow range of monitor:** 500, 750, 1,000, 1,250gpm
- **Valve operation:** hand wheel or gear type.
- **Custom design services available for specific purchaser requirements.**

FOAM/WATER SKID



Our Foam/Water Fire fighting Skid Systems are truly our most customizable product line in the FHC arsenal. Using a shipboard-type skid platform, we offer an easily transportable package that can instantly meet any industrial or hazard requirement.

Major Components

1. Diesel Engine Powered Fire Pump
2. Piping of Water and Foam Systems
3. Discharge Piping and Valves
4. Foam System
5. Pump Controls

OPTIONS

- **Water tank (water tank capacity range:** 3,750 to 30,000l (1,000g to 8,000g).
- **Foam tank (foam tank capacity range:** 375 to 3,750l (100g to 1,000g).
- **Fire pump (capacities:** 2,000 to 11,000lpm (500 to 3,000gpm, UL/NFPA rated fire pumps).
- **Diesel engine (larger fuel tank, 12V/24V electric control panel).**
- **Weatherproof enclosures with roll-up doors.**
- **Generators and floodlights.**
- **Storage compartments**

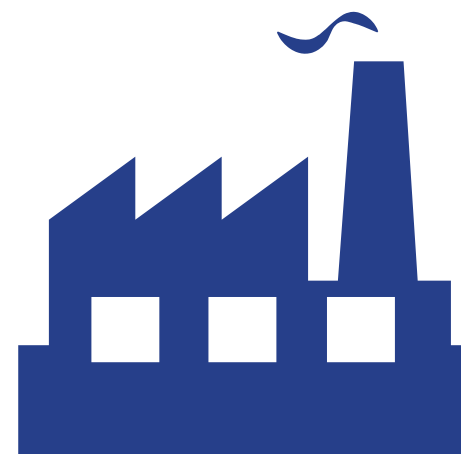
FEATURES

- **Basic standard dimensions:** 9,050mm long x 2,500mm wide x 4,000mm high (30' x 8' x 13').
- **All MS steel skid framework, 300mm (12") base beams.**
- **Ladder steps – non-slip type.**
- **Chemically cleaned, primed, and painted with red epoxy paint.**
- **Railings, steps, and ladder enclosure painted safety Yyellow.**
- **Capacity:** 18,750l (5,000g).
- **Tank low level switch for pump shutdown and s.upervisory signal to FACP (as applicable).**
- **Chemical-resistant and foam-agent compatible polypropylene tank construction.**
- **Tank level gauge, 65mm (2.5") foam system supply line, 25mm (1") drain and refill valves.**
- **Four (4) custom-engineered all steel construction and hinged doors.**



CABINETS & HOSE REELS

FHC has the capabilities to design and produce various sizes and shapes of standard and custom-built cabinets by using computerized numerical control machines for high precision, accuracy, and ultimate finish. All associated processes, including the liquid and powder-coating technologies, utilize in-process inspection and quality monitoring to assure that final deliveries are identical to the demo samples provided to obtain customer approval.



SAUDI ARAMCO

APPROVED MFG

IT SERVERS - NETWORK CABINET



FHC Cabinets are multi-functional rack enclosures designed to meet current IT market trends and have a great design and high performance.

FHC Cabinets are designed for servers, switches, routers, patch panels, and their cabling systems. Cabinets are ideal for offices, private and government buildings, schools, hotels, and all other indoor applications.

FHC Cabinets are compatible with all EIA-310-D 19" standards.

Network Cabinet Solutions

- Freestanding enclosures
- Wall-mounted enclosures
- Open racks
- Accessories



FIRE HOSE REEL STATION



The FHC Series 400 hose reel enclosure assembly is constructed to the highest industry standards. Hose reel stations are designed for rapid-response use in hazardous areas at industrial plants according to the fire department's special requirements.

FEATURES

- Custom sleek design with lift cover that meets Aramco requirements.
- Water supply to the reel can be from either domestic or fire-water mains.
- Durable and heavy-duty hose reel assembly with manual rewind.
- Rotating steel top cover for easy hose utilization and operation.
- Foam tank piping: drain valve and refill connection.

OPTIONS

- Non-collapsible hose, with lengths of: 15m (50'), 30m (100'), or 38m (125').
- Nozzle: fixed-flow 225lpm (60gpm) or adjustable flow.
- Foam eductor: 225lpm (60gpm), adjustable foam percentage.
- Optional foam supply tanks that can be integrated into the standard support system.
- Fasteners: HD galvanized or stainless steel.
- Finish: grit blasted and multiple coats of primer and RAL3000 enamel red paint or epoxy corrosion protection.

HOSE REEL/RACK CABINET



FHC series 100, 200, and 300 cabinet enclosures are used for protection and housing of fire extinguishers, hose reels, and hose racks in various building applications. The units are designed for interior areas and are offered in both standard dimensions and custom configurations.

FHC cabinets are available in numerous combinations of materials, latches, glass, and finish. Each unit is available with or without fire fighting equipment or other purchaser required options.

FEATURES

- Cabinets available in either cold-rolled steel ASTM A-36 or type #304 stainless steel; glass window standard in each door.
- Piano-type painted or optional barrel-type stainless steel hinges.
- Available in flush chrome type or optional lockable-handle type with key lock.
- Available in painted, powder coated, optional epoxy coated, as well as stainless steel; #4 satin or #8 mirror finish.

OPTIONS

Mounting:

- Semi recessed (SR)
- Fully recessed (RC)
- Surface mounted (SM)
- Self standing (ST)

Material:

- Stainless steel
- Carbon steel
- GRP

Cabinet type:

- Single door
- Vertical double door
- Horizontal double door

Equipment:

- Hose reel
- Hose rack
- Fire extinguisher
- Landing valve

FIRE HYDRANT CABINET



FHC Series 500 fire hydrant support cabinets are custom designed and fabricated to the specific needs of each purchaser. In addition, the cabinet meets both firefighting and environmental requirements of the Middle East region.

The purpose of the fire hydrant support cabinet is to provide additional fire hose storage, handline nozzles, and hose and hydrant hand tool storage. The fire hydrant cabinet assemblies are available in various custom sizes if required by the purchaser. Due to extreme outdoor applications and atmospheric conditions, the fire hydrant cabinets are supplied in painted steel or stainless steel materials.

FEATURES

- **Materials:** 1.2mm carbon steel or stainless steel to ASTM A36 requirements.
- **Welding:** certified welders using ASME-IX welding standards and procedures.
- **Fasteners:** HD galvanized or stainless steel nuts and bolts.
- **Hinges:** painted carbon steel or stainless steel.
- **Doors:** 2 flush doors equipped with steel or stainless steel piano hinges, 12 door louvers, and 2 lockable handles.
- **Finish:** exterior and interior grit blasted and painted with multiple coats of primer and RAL3000 red enamel or epoxy coating.

OTHER TYPES OF CABINETS



We provide various types of cabinet to meet all industrial requirements:

- Foam generation cabinets
- Fire extinguisher cabinets
- Wheeled extinguisher cabinets
- Bunker gear cabinets
- Taser gun cabinets
- Multipurpose storage cabinets
- GRP cabinets

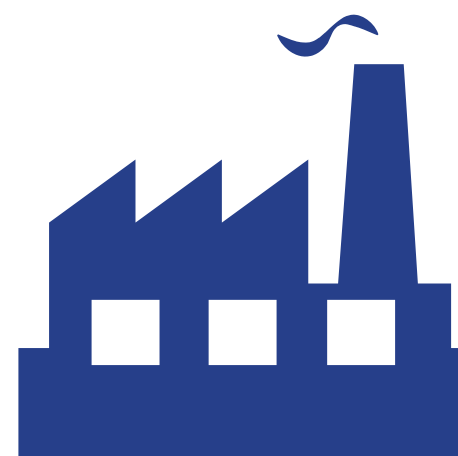




FIRE SUPPRESSION SYSTEMS

FHC Novec 1230™ and FM-200® filling facility is the first of its kind in the region to supply fire suppression systems.

The facility provides more efficient service for customers across Saudi Arabia and other parts of the MENA and significantly improves lead times on suppression system supply and maintenance.



FHC has a long-standing relationship with Johnson Controls (Formerly TYCO) Suppression & Building Products, with its facility serving as a recognized extension of the Johnson Controls (Formerly TYCO) manufacturing facilities in Marinette (USA) and Great Yarmouth (UK).

CAPABILITIES

- Novec 1230™ and FM-200® First Fill
- 24/7 refilling
- Cylinder valve assembly
- Manifold manufacturing and testing
- Nozzle drilling

ADVANTAGES

- In-stock available systems
- In-process inspection witness
- Changeability
- Ready-to-connect modular systems
- After-sales spares inventory availability
- Local warranty claims



| SPECIALTY PRODUCTS

... AND WE LIKE TO DO IT PERFECTLY

DOORS & FRAMES

Our doors cover various types and sizes of steel and lead-lined doors, double and single swing, fire rated and manufactured as per highest International Standards meeting ANSI, SDI, HMMA and NFPA.

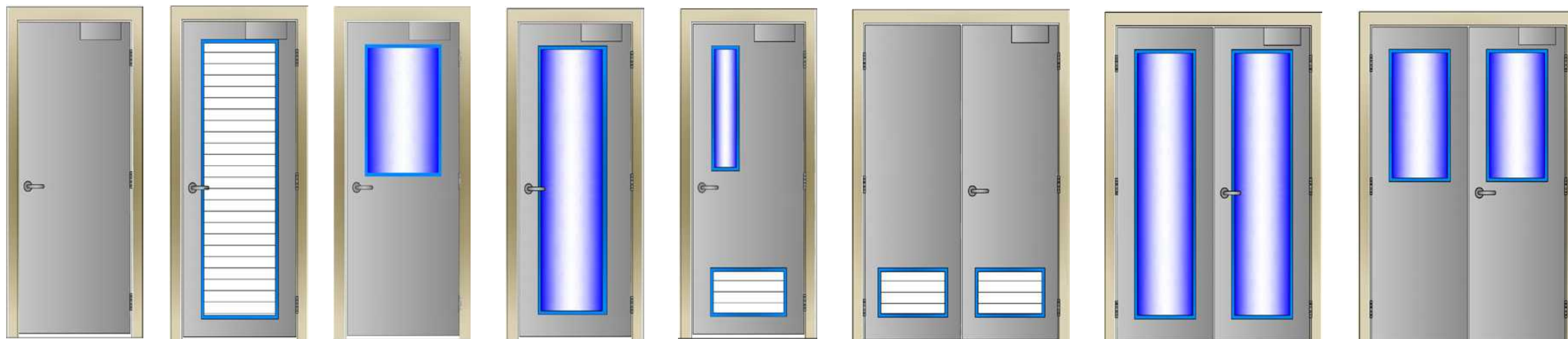
All our doors are supported with robust frames to maximize the protection level. Our frames are constructed of quality cold-rolled steel ASTM A366 or hot-dip galvanized steel sheet ASTM A526, G90 for various thicknesses of door, with the specifications conforming to SDI-111A.

In addition, we provide a variety of the highest quality hardware, which is a perfect fit for each door and provides the best operation for its specific job.

Each product has been tested with Underwriters Laboratories in accordance with UL10b and UL10c standards.



FEATURES



HEAVY METAL FABRICATION

FHC is approved and certified as an ASME Code “U” manufacturer of pressure vessels. One visit to any of our production facilities will convince you of our quality, efficiency, and capacity to meet your fabrication needs. Our ASME code-compliant operations assure the integrity of your project from engineering through production, with total project assembly, testing, and certifications conducted on site. Projects can be built and delivered with all externals and internals in place. This includes the integration of ladders and platforms as well as piping and electrics for reduced time and cost.

Our main manufacturing capabilities can be summarized as follows:

1. ASME Section VIII, Div. 1 boiler and pressure vessels with wide range of tanks and pressure vessels.
2. ASME certified welders and inspectors with approved WPS & PQR up to 40mm thickness.



3. 45-ton fabricating capacity; in-house parts and material preparations set the stage for efficient fabrication.
4. High-definition plasma cutting, 10ft x 20ft capacity, +/- 1/32in precision typical.
5. 14ft x 1in steel plate rolling capacity, 24in to 15ft 6in diameter.
6. Hydraulic presses, CNC & NC shears, bending, punching, iron-workers, milling, rolling, plasma cutting, hot wire automatic orbital welding, auto band saws, etc.
7. Automatic flush grinding, edge preparation, and back gouging.
8. Roller beds supporting up to 15 tons.
9. Wide materials range includes carbon steel SA516, SA512, SA-36, SA-106B, stainless steel SA 312, SA 240 etc.
10. Pneumatic, hydrostatic, and water flow testing.
11. Surface preparation and painting facility.

LAST FIRE SOLUTIONS

FHC is a premier provider of International Standard compliant fire-protection solutions. With vast expertise providing total integrated and packaged turnkey fire-engineering solutions including high-volume pumping, foam proportioning, hose deployment and mobile monitor systems, we are prepared to solve the world's most difficult large tank fire hazard challenges.

FHC's engineering and manufacturing team along with its valued global partners are quickly able to address complex fire-protection needs, including custom high-volume solutions, fast-response field service, and immediate technical guidance. Fire fighting professionals can rely on our team for the most comprehensive fire equipment and service in the industry.



Pump Systems

- Boost Pumps
- Floating Source Pumps
- Hybrid Pumps

Hose Retrieval Equipment

- Hose Trailers
- Hose Flaking Trailers
- Hose Containers

Foam

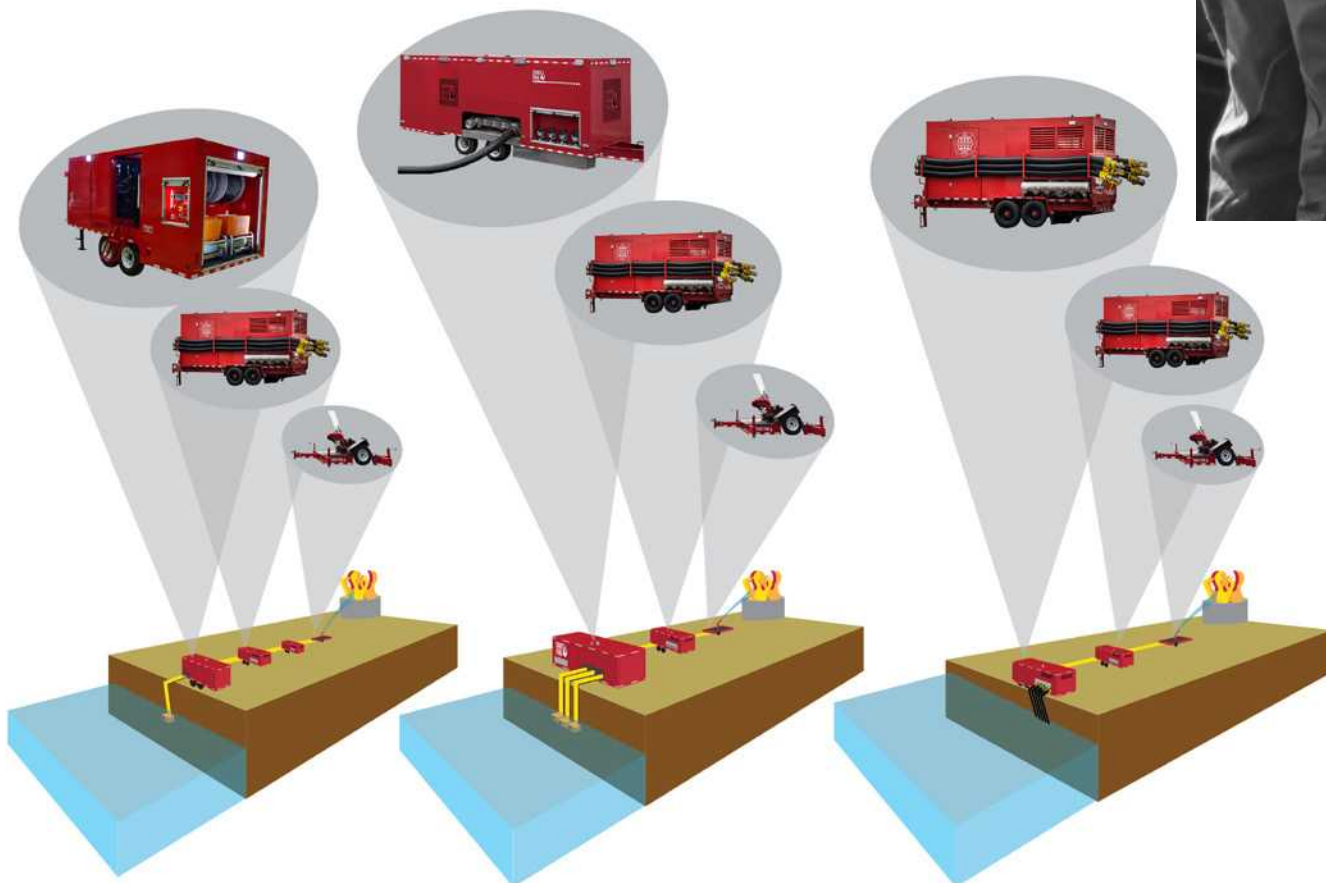
- Foam Concentrate
- Foam Proportioning
- Foam Trailers

Monitor Systems

- Mobile Monitors
- Elevated Monitors

Other Equipment

- Ro-Ro Equipment Containers
- Large fire fighting equipment deployment, training, and application



LARGE ATMOSPHERIC STORAGE TANK FIRE EXPERTS

SERVICE & SUPPORT

FHC engineers work hand in hand with the end user from the design stages to get them familiar with the operation and maintenance of their product. We also support on-site commissioning and provide the needed drawings and manuals necessary for documentation purposes.

FHC technicians are trained and certified by our OEMs, which allows us to answer your calls for in-house and on-site maintenance.

To ensure the same quality of service on site, we have equipped our maintenance team with a customized service van having all the needed equipment on board.



TRAINING

FHC offers a variety of on-site and off-site training. Our on-site classes are held at our training facility and are taught by the same engineers that help manufacture, test, and service our products.

Our training starts with theory and ends with hands-on breakdowns covering all areas of operation, inspection, and maintenance.



PARTS

Our parts department coordinates with our technicians to ensure that when maintenance or repair is performed, we are restoring the product to its original specifications and performance.

In addition, we are always in communication with our OEMs to make sure our parts stock is consistent with our clients' projections.



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Customized Solutions Manufacturer

FHC

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