



**SOLAS SAFETY AND FIRE PROTECTION SERVICES**









## PROJECT / FITOUT WORKS

Design, Supply, Installation, Testing, Commissioning and Certifications of below system compliant to the relevant Civil Defence Standards and General Civil Aviation Standards.

### Detection Systems

- Fire Detection System
- EM/Exit Lights System
- Voice Evacuation / PAVA System

### Fire Fighting Systems

- Water Sprinkler System
- Fire Hydrant System
- Foam Based System
- FM 200/CO2/Novec 1230 Gas System
- Wet Chemical System

### Aluminum Helideck Package

- Helideck DIFF/FMS
- Helideck Lighting System
- Aluminum Helideck Package (including Circle and "H" Lighting)



القيادة العامة للدفاع المدني  
إدارة الدفاع المدني - رأس الخيمة

## MAINTENANCE & SERVICING ACTIVITIES

We provide Semi / Full Comprehensive Maintenance Contracts that covers existing Fire Protection System functionality with spares and replacement under our scope as well and Service. In-house Hydrostatic Testing & Refilling of CO2, Novec, FM200 Gas, Wet Chemical, all types of Fire Extinguishers.

### Breathing Apparatus Service Station:

We are authorized and approved by major classification societies for servicing and certification of the following

- Annual Servicing of Emergency Escape Breathing Device (EEBD) and Self Contained Breathing Device (SCBA)
- Annual Servicing of Breathing Air Cascade System with Posi test
- Annual Servicing of Medical Oxygen
- Inspection of Disposable Emergency Escape Breathing Device (EEBD)

### Compressor Service Station:

We are authorized and approved to service Breathing Air Compressors.

### Calibration Service Station:

- Calibration of Gas detectors
- Air Quality Test
- Servicing of Fixed Gas Detection Systems
- Servicing of Fixed Fire Detection Systems
- Calibration of Pressure, Temperature and Weight Gauge



# **NOTIFIER**<sup>®</sup> by Honeywell

For over 60 years, NOTIFIER has been a leader in the fire alarm industry. By selecting NOTIFIER, be confident that you will not only receive the very best in fire alarm and emergency communication systems, but also the knowledge, expertise, and service from SOLAS that will exceed your expectations.

- **Advanced Detection Technology**
- **Flexible, Expandable, Backward Compatible**
- **Integrated Audio Evacuation and Paging**
- **Easy to Use and Maintain**



## Designed for Customization and Increased Capacity

The NOTIFIER supports over 3,000 intelligent devices on ten Signaling Line Circuits perfect for protecting high-rises, large manufacturing plants, or multiple campus buildings with a single panel. When additional protection is required, the NOTIFIER can be expanded using NOTI-FIRE-NET™, a intelligent fire alarm network. The modular design of the NFS2-3030 allows authorized users to view and control the system from anywhere in the facility.



### Features and Benefits

- ▶ Optional 10" color touchscreen display
- ▶ Expandable up to ten signaling line circuits
- ▶ 318 devices per SLC (159 detectors and 159 modules)
- ▶ Multiple Operator Display Options
- ▶ Networkable with NOTI-FIRE-NET
- ▶ Built-in Degraded Mode option
- ▶ Self-optimizing pre-alarm
- ▶ Optional integrated Digital Voice Command (DVC)
- ▶ EIA-485 annunciators, including custom graphics
- ▶ Multiple Communicator Options (POTS, IP, Cellular)
- ▶ FM6320 approved gas detection system

### Listings

- ▶ Releasing
- ▶ Mass Notification
- ▶ Seismic Certified
- ▶ Marine Approved

### Applications

- ▶ Colleges and Universities
- ▶ Hospitals
- ▶ High-rise Buildings
- ▶ Hotels
- ▶ Airports
- ▶ Military Bases
- ▶ Stadiums

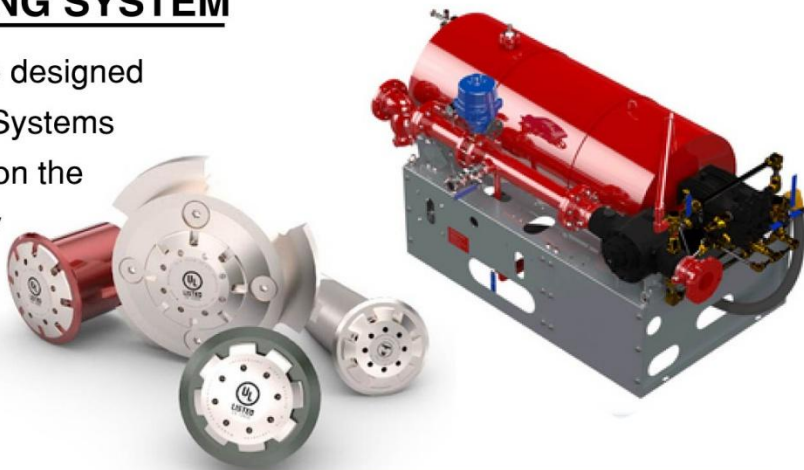




## **DECK INTEGRATED FIRE FIGHTING SYSTEM**

Marsol K3GS and ULP-40 series nozzles are designed to be used on Deck Integrated Fire Fighting Systems (DIFFS). An array of these nozzles installed on the helipad / helideck provides an effective spray distribution covering the whole deck surface for a range of weather conditions.

- Non-Pop-up
- SS-316L construction
- Range of K-factors
- Certified for ICAO Level B and C foam concentrates



Marsol DiFFS systems are available with environmentally sustainable fluorosurfactant and fluopolymer-free firefighting foam concentrates.

## **FOAM BLADDER TANK SYSTEM**

MARSOL bladder tanks are available in both vertical and horizontal versions with sizes varying from 50-3300 Gallons. Bladder tanks are manufactured in accordance with ASME Code Section VIII Division 1 with a designed working pressure of 175psi (12bar) and tested to 263psi (18bar). The tank is constructed of SA516 Grade 70 carbon steel and UL Listed.





## **MACS SERIES - NITROGEN DRIVEN SKIDS**

The system is a self-contained type with all equipment packaged within the skid frame. The Skid consists of pressure vessel designed in accordance to ASME or PED standards. High pressure nitrogen cylinders are used as a propellant and stored in either 50ltr. or 80ltr.

For system with foam requirement the skid is fitted with foam tank and suitable proportioning device. Pressure regulators, control valve and system control panel are installed and pre-wired as per industry standards.



## **INTRODUCING MARSOL ROTO-SPRAY SYSTEM**



ROTO-SPRAY Deluge System uses the patented fog and rotor technology and is designed to help prevent explosions and contain fires around electric transformers and in chemical or industrial plants that manufacture, transfer, or ship, LPG, JP4, JP5 fuel, or other petroleum and chemical products. Industrial deluge systems can be manually activated or connected to sensors that will automatically turn on the deluge system nozzles as soon as a threat is detected. ROTO-SPRAY Deluge System is installed in "hot spot" areas such as pump, transfer, and transmission stations, as well as around electric transformers and produces superior protection with a minimum water pressure of 50 PSI to a maximum pressure of 300 PSI. These nozzles can be purchased in sets or a complete installation quote can be completed at the customer's request.





 **WREXHAM**

 **MINERAL**

 **CABLES**

WMC are the UK's only manufacturer of mineral insulated cables utilising continuous production technology and currently export to over 30 countries. This method allows 100% continuous monitoring of the manufacturing process and ensures 100% conforming product. In over 35 years of manufacturing, WMC have had zero in field failures. Mineral Insulated Copper Clad Cables are designed to meet some of the most stringent tests around the world.

WMC approvals include:

BS 6387 category C, W & Z demands that cables perform safely for 3 hours at 930 °C. Historically MICC is the **ONLY** fire resistant cable under 20mm to exceed BS 6387 C, W & Z test on ONE single cable sample.

BS 5839-1 Enhanced to BS 8434-2.

BS 8519 & BS 8491 for Cat 3 power cables on our entire heavy duty cable range starting from only 8mm and above.

## ***The ONLY ENVIRONMENTALLY FRIENDLY, PLASTIC-FREE CABLE***

MICC Cables offer designers, engineers, and installers the chance to reduce the overall environmental impact of any project. Due to its unique structure the MICC sheath can be used as an earth with our earth tail seal kits. This could save a core of cable when choosing MICC. Not only reducing the overall diameter but also the cost.

Although recycling efforts are changing, any electric cable choices on the market will require plastic or polymers to protect the conductors; all except one.

MICC cable is a **NON-AGEING** product and does not need plastics, polymers, resins or tapes to aid fire performance. The copper used in our cables is 100% recyclable and zero products are sent to landfill from our bare MICC Cables.

SWA 4 Core 4mm sq



CONTAINS  
**270g**  
— OF PLASTIC —  
PER 1m LENGTH

= **54**  
PLASTIC BAGS\*

WMC 4H4 Bare



CONTAINS  
**0g**  
— OF PLASTIC —  
PER 1m LENGTH

= **0**  
PLASTIC BAGS\*

\*Average plastic bag = 5g



## EVERSAFE FIRE FIRGHTING EQUIPMENT

Your global solution to fire safety. With their innovative designs, they are a global leader in fire-fighting equipment and systems.

A range of Portable and Non-Portable (Trolley) Fire extinguishers with agents such as CO2, DCP, Foam and Water are available in various capacities in accordance with International Standards. Extinguishers are manufactured as per BS EN 3 norms and meets all local civil defence requirements.

Standard and customized range of pillar hydrants and landing valves are available. Hydrants are designed as per BS Standard and comply with local civil defence requirements.

Heavy duty fire hoses are made from strong and abrasive resistant material. Various types of nozzles are available with different size and coupling types. The hose and nozzles are designed as per the BS standard and comply with local civil defence requirement.



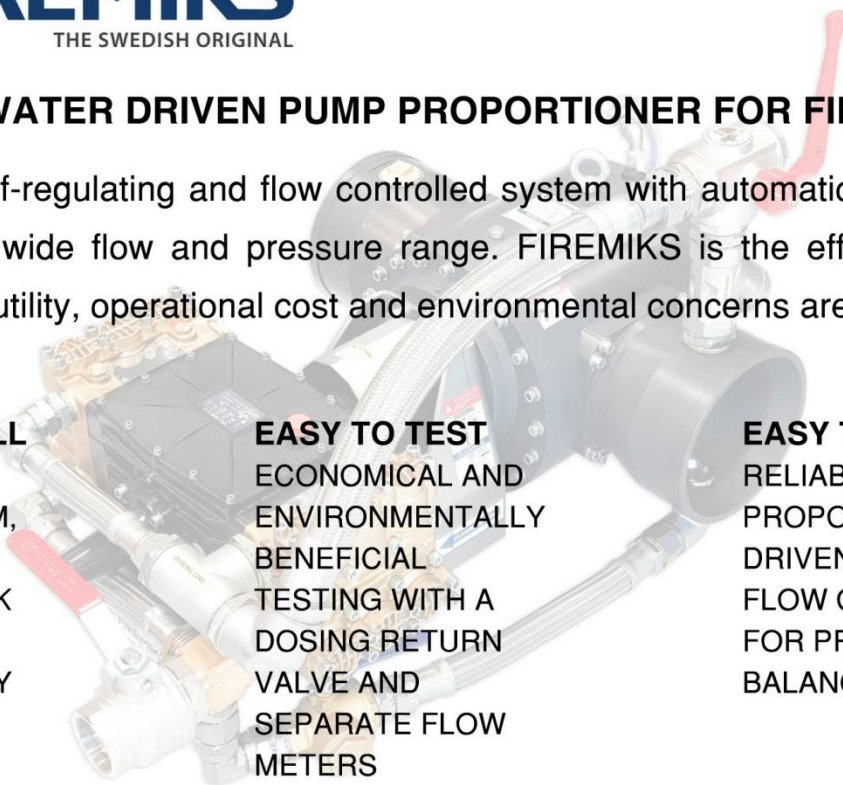
## FIREMIKS - WATER DRIVEN PUMP PROPORTIONER FOR FIRE-FIGHTING

Mechanical self-regulating and flow controlled system with automatic flow and pressure adjusting in a wide flow and pressure range. FIREMIKS is the efficient proportioning system where utility, operational cost and environmental concerns are paramount.

**ASY TO INSTALL**  
COMPACT  
DOSING SYSTEM,  
NO NEED OF  
PRESSURE TANK  
OR ADDITIONAL  
ENERGY SUPPLY

**EASY TO TEST**  
ECONOMICAL AND  
ENVIRONMENTALLY  
BENEFICIAL  
TESTING WITH A  
DOSING RETURN  
VALVE AND  
SEPARATE FLOW  
METERS

**EASY TO USE**  
RELIABLE MECHANICAL  
PROPORTIONER,  
DRIVEN BY THE WATER  
FLOW ONLY, NO NEED  
FOR PRESSURE  
BALANCING





# Our Clients



**Solas Safety & Fire Protection Services Co. (L.L.C.)**  
**Civil Defence Certified "A" Grade Company**

P.O. Box 49373, Dubai - U.A.E. Tel.: +971 4 8853096, Fax: +971 4 8853097  
 E-mail: [info@solasfire.com](mailto:info@solasfire.com), Website: [www.solasfire.com](http://www.solasfire.com)

**Head Office: Solas Marine Services Group**  
 P.O.Box: 25445, Dubai - U.A.E. Tel: +971 4 2791300, Fax: +971 4 2791200  
 Email: [info@solasmarine.com](mailto:info@solasmarine.com), Website: [www.solasmarine.com](http://www.solasmarine.com)

UAE | Bahrain | Saudi Arabia | Oman | Qatar | Kuwait | India | Singapore

ISO 9001 : 2005 | ISO 14001 : 2015 | ISO 45001 : 2018 (BV) Certified

