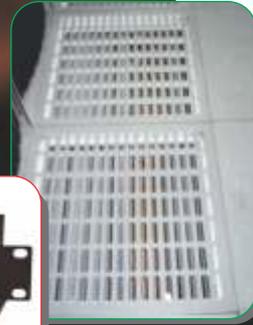شجرة اللوز للمشاريع التجارية

# ALMOND TRADING ENT.

*Available to Serve you round the clock*
*Leading towards attaining perfection*
*Moving with modern technological solutions*
*Ownership taking in customers problem solving*
*Narrowing problems and broadening solutions*
*Determination to have complete customer care*

## EXCELLENCE IN ENGINEERING

ALMOND

*Excellent state of the art technologies!*

ALMOND

**ALMOND TRADING ENTERPRISES** is a wholly owned Omani Company, registered with the Ministry of Commerce and Industry, under the laws of Sultanate of Oman. **Almond Trading is engaged in providing excellent state of the art technologies in Fire & Safety, Automatic Fire Extinguishing Aerosol System, Raised Flooring, False ceiling, Partition works, Electrical Installations, Security System & CCTV, Gas Piping, Gas Leak Detection & Protection, Export & Import and Trading of Equipment.**

**Almond Trading** is one of the leading Establishments in Design, Supply, Installation and Planned Preventive Maintenance of Fire Alarm, Fire Fighting Equipment and Automatic Fire Extinguishing Aerosol Systems. In addition to our core business, we are engaged in Fire Engineering Consultancy, Imparting Fire Fighting Training tocompanies, Design, Supply and Installation of Fire Fighting Equipment, Supply of Personnel protective and Safety equipments etc.

## FIRE ALARM EQUIPMENT



## FIRE FIGHTING EQUIPMENT



Electrical & UPS Installation



*Excellence in Engineering*

# DSPA (Dry Sprinkler Powder Aerosol)
## An Effective and innovative Automatic Fire Extinguishing Aerosol System

As early as 1987, DSPA.nl started the development of DSPA, it means Dry Sprinkler Powder Aerosol or aerosol fire protection systems. DSPA has been developed to replace Halon (BCF). DSPA works volumetrically, just like Halon.

DSPA systems have been designed for extinguishing both early stage fire, advanced fully developed fires and for the protection of building / premises against fires by means of automatic fire extinguishing.

DSPA Products, extinguishes Fire by Inhibiting the Chemical chain reaction in combustion on a molecular level. It removes the flame free radicals and extinguishes the fire at the source itself.

DSPA Generators are of different Sizes and it can be easily installed in any of the Electrical panels, Relay Units, MCBs, DBs, Breaker Control Unit etc, for Automatic Fire Extinguishing within the panel to kill and avoid the spread of Fire.

Action of DSPA: Dry Sprinkler Powder Aerosol, called aerosol for short, is composed of micro-sized particles. DSPA is composed of various potassium compounds. When the DSPA is activated, thermally or electrically, the micro sized particles leave the DSPA unit. Solid micro particles and a gas mixture (mainly $CO_2$, $N_2$ and water vapour) are mixed to form an extinguishing mixture. The DSPA contains a large amount of absorbing mass (the 'body'), which causes the mixture to lose the greater part of the heat, before it is released. One gram of solid forming compound transforms into one litre of Aerosol on activation of DSPA generator.

## The main features of DSPA

- ROP Civil Defence Approved system
- Reliability - Safe fail Mechanism
- Fire Extinguishing by Inhibiting Chemical Chain Reaction
- Electrical, Thermal and Manual Modes of Activation
- Cutting edge Technology
- No Oxygen Depletion
- High Effectiveness
- Non Pressurized
- Non Corrosive
- Environment Friendly
- Human Friendly
- Green Product
- Non Toxic
- No Piping Required
- No Mechanical parts involved
- Listed Product
- Quick Response Easy to Install
- Easy Maintenance
- Less weight

# UNITILE Raised Access Floor system
## HiTech office systems

Raised access floor comprises of load bearing floor panels laid in a horizontal grid supported by height adjustable vertical pedestals to provide an under floor space for the housing and distribution of Mechanical & Electrical Engineering services. The floor panels are designed to allow quick access to the under floor services.

The basic utility of Raised access floor is to provide a means of creating a void (space) below floor level which is capable of ensuring under floor services are available at the required place. These services will typically include the following; Electrical, Power, Data, Telecom, Environmental control / Air-conditioning, Fire detection and suppression, security, Water and Drainage. A special advantage of raised floors is that they can also handle Air-conditioning tasks, such as high ventilation and airflow diffuser panels.

# NTI's Server Environment Monitoring System
# ENVIROMUX-SEMS-16

The **ENVIROMUX®** Server Environment Monitoring System monitors critical environmental conditions, such as Temperature, Humidity, Liquid / Water presence, Motion, Intrusion, and Vibration. When a sensor goes out of range of a configurable threshold, the system will notify you via email, LEDs, Alarm Beacon, Siren, Web page, Network Management (SNMP), Voice Phone Calls (via Automatic Voice Dialer System), and SMS messages (via external GSM modem). The system includes three internal sensors: Temperature, Humidity and Power. It also supports 16 external configurable sensors and eight digital input sensors.

**Environmental Sensors:** Temperature, Humidity & Combination Sensor, Precision Humidity & Temp / Humidity Sensors, Liquid Detection Sensor, Smoke Detection Sensor, Air Velocity Sensor, Air Flow Sensor, Carbon Monoxide Detector.

**Motion / Intrusion / Vibration Sensors:** Door Contact Sensor, Vibration Sensor, Glass Break Detection Sensor, Key Station, Mini Infrared Motion Detector, Infrared Motion Detector, Access Control Digital Keypad, Infrared Motion Detector, Ceiling Mount, Mounting Bracket for Infrared Motion Detector, Electric Strike, Emergency / Panic Button.

**Alert / Communications Accessories:** Alarm Beacon, Siren, Automatic Voice / Pager Dialer System, GSM Modem.
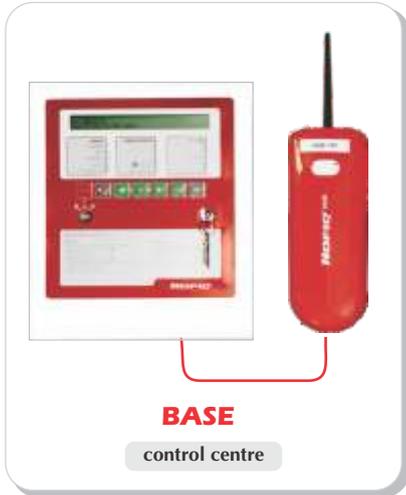
**Power Relays & Sensors:** DC Voltage Detector, AC Voltage Detector, AC Power Monitor with Relay, AC Dual Voltage Monitor, Remote Controlled Power Relay.

**Sensor Accessories:** 4-20mA Sensor Converter, Sensor Cables.

# NOFIQ®

# Fire-protection system



**BASE**
control centre

**HUB**
signal repeater

**FE 20**   **FE 80**
Extinguishing units

**NOFIQ** has developed, based on market developments and trends, an Aerosol Fire Extinguishing system for the protection of objects like switching cabinets, meter boxes and computers.

**NOFIQ** Aerosol Fire protection system DETECTS, COMMUNICATES, ALARMS, EXTINGUISHES AND CONTROLS.

## NOFIQ System:

- Complete fire-protection system for objects
- Intelligent multi-sensor (CO / Temp)
- Wireless communication
- Potential-free switch contact 24 V / 1 A to - switch off ventilation and/or shutdown power- Alarm notification
- High tech sensor detection, Wireless communication, Alarm notification
- Alert (exceeding CO concentration and / or temperature limits)
- Fire alarm (warning and delaying time of 10 s)
- Extinguishing (activation aerosol extinguishing component)
- Malfunction notification

## NOFIQ - FE's

Detection and fire-extinguishing component of the system that can detect as well as extinguish a fire thanks to the built-in aerosol extinguishing component

- Multisensor (CO + T)
- Power (back up)
- Wireless Communication (not active by Standalone)
- Potential free output: contacts for steering and status
- Acoustic and optical alarm
- Fire Extinguisher - DSPA







*Excellence in Engineering*

# Gas Leak Detection and Protection system

**Domestic Gas Leak Detection & Protection system:** A kind of wall-hung household gas detection and alarm device designed to detect the concentration of combustible and toxic gases or vapors. It provides a visual and audible signal when the gas concentration reaches presetting level and reminds you to take prompt action such as start up other link equipment, ventilate gas or shut off gas supply to avoid Fire, explosion, suffocation and other evil accident.
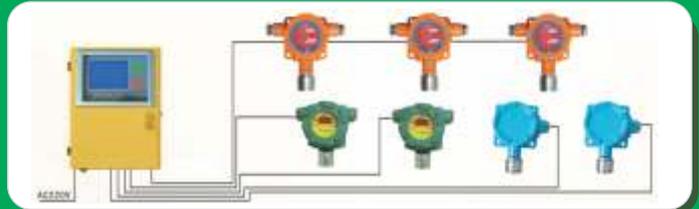
**Industrial Gas Leak Detection & Protection system:** The system involves Gas detector, Emergency switch and Electromagnetic shut off valve. The Electromagnetic valve operates with the electrical control voltage received either from the detector or from Emergency switch to work automatically and rapidly. The valve installed in the pipeline can be from a long distance from the control source and the pipeline maximum pressure rating is up to 16 Bar.

**Fixed gas detection system:** The system consist of sensors installed in the area to be monitored and each one connected to a remote control panel. A fixed gas detection system should be installed to monitor areas where flammable gases may accidentally accumulate creating hazardous conditions.

The simplest and most effective system is a kind of Multi channel monitoring system designed for Industrial Gas monitoring. The system can match with different detectors to detect different gases of flammable, Toxic, Hydrogen, Oxygen etc. in the Air. The Gas detectors offer a double alarm threshold as Pre-alarm and Alarm that generate when the preset alarm thresholds have been attained. A visual (LED) and audible (buzzer) indications warn of the potential dangerous situation while relay activates only in case the Alarm threshold has been exceeded.

## Our Product and Services

- Automatic Fire Extinguishing Aerosol System
- Fire Alarm & Fire Fighting Equipment
- Supply of Fire Extinguishers
- Security System & CCTV
- Raised Flooring
- False Ceiling
- Partition works
- Precision controlled Air-condition system
- UPS and Electrical Installations
- Gas piping
- Domestic / Industrial Gas leak Detection & Protection
- Single & Multi Gas Detectors
- Valves & Fitting
- Personal Protective Equipment
- Export and Import
- Trading of Equipment

## Almond Trading Enterprises

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## Office Location

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Opp: Law College, Wattayah, Sultanate of Oman

## Location Map

To Airport
Al khuwair
Al Qurum
Express highway
Law college
Wattayah
PDO
Khoula Hospital
ALMOND TRADING ENT.
Bank muscat
Toyota
Wadi Adai
Wadikabir
Hamariya
Ruwi
Sheraton
Darsite
Lulu hyper market