



ALMI INTERNATIONAL

Specialist solution providers in
Electro-Mechanical Systems



Company Profile

ALMI INTERNATIONAL is an engineering company established in 2012 in U.A.E. with great Vision and Mission. Currently ALMI INTERNATIONAL has offices in UAE and INDIA that offer products and services to UAE, SAUDI ARABIA, BAHRAIN, KUWAIT, OMAN, QATAR, INDIA and SRI LANKA.

The objective of the company is to provide flexible, efficient and reliable solutions to all HVAC problems using energy efficient high quality products.

HVAC is an industry that is facing great challenges and has enormous potential in the 21st century. Global warming is affecting everybody. The HVAC systems have a keyrole in the battle for saving energy.

Energy optimization is an important aspect of operating costs in buildings and Industries. An increase in efficiency is vital in order to save both our long term economy and environment.

ALMI INTERNATIONAL is established with the great support from world-class solutions providing companies with their energy efficient and quality products to cater to the current demands.

Vision

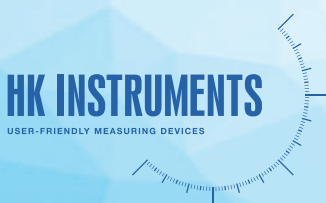
As an engineering company, our vision is to become the best solution provider and the market leader in HVAC Industry.

Mission

1. Providing the best solutions by supplying energy efficient premium quality products and services to all our customers.
2. Maintaining a very good relationship with the Market by providing prompt, efficient and consistent services to the customer.
3. Seeking growth through new ideas, products and market expansion.
4. Continuous improvement of the business process.

Manufacturers / Products Represented by ALMI INTERNATIONAL:

1. **ONICON INC (USA)** – Btu meters, Water flow meter, Thermal Mass Flow meters & Steam meters.
2. **AIR MONITOR CORPORATION (USA)** – Airflow Measuring Stations Using Thermal Dispersion and Differential Pressure Technology.
3. **MARS (USA)** - Air Curtains-Specialist Manufacturer for all types of Industrial and Domestic air curtains.
4. **HK INSTRUMENTS (FINLAND)** - Differential pressure transmitters, Air velocity Transmitters, Humidity Transmitters, CO, CO2 sensors and all BMS field devices etc.
5. **QUATROSENSE ENVIRONMENTAL Ltd (QEL- CANADA)** – Various types of gas sensors & Controllers (Carbon monoxide, Nitrogen dioxide, Carbon dioxide, Oxygen, Ammonia, Toxic and Combustible gases)
6. **DETECTRONIC - (UK)** – Water Quality Monitoring, Sewage Network Monitoring System, Wastewater, Sewage Water, And Stormwater Flow, And Level Measurement Instruments
7. **BURPORVENT (GERMANY)** - General Ventilation Fans, Tunnel and Car park Ventilation system (Jet Fan System)





ONICON INCORPORATED U.S.A. - FLOW & ENERGY MEASUREMENT SYSTEMS:

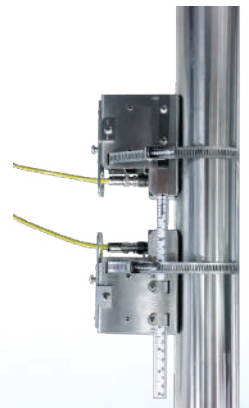
To ensure the highest return on investment, a comprehensive metering program is essential for managing today's complex central energy plants:

Accurate flow and energy measurement provided:

- Improved chiller plant control
- Real time commissioning and balancing data
- Continuous monitoring of chiller performance (KW/Ton)

Types of ONICON Flow Meters:

- Insertion turbine flow meters (Dual or single turbine)
- Insertion electromagnetic flow meters
- Inline electromagnetic meter
- Inline ultrasonic flow meter
- Clamp on ultrasonic flow meters
- Inline vortex mass flow meter for saturated steam
- Thermal mass flow meters for natural gas





ONICON's flow meters have become the recognized standard for accurate, reliable flow measurement at a reasonable cost.

Onicon has following energy measurement meters (BTU Meters).

- Inline electromagnetic BTU meters
- System 10/20 BTU meters for higher flow rates
- Clamp on ultrasonic BTU meters
- Inline ultrasonic BTU meters

Onicon's BTU meters utilize a calibrated system approach to provide highly accurate flow, temperature and energy data. Furthermore with a serial network communication option, this system can actually be less expensive than traditional energy calculation methods.

BTU meters configured with serial network communications offer simplified wiring and greatly reduced installation costs compared to traditional analog/pulse type outputs. The data provided (with a single 2-3 wire LAN connection) includes: energy total, energy rate, flow total, flow rate, supply temperature, and return temperature, delta temperature.

The flow, temperature and energy information provided is useful for:

- Overall system performance verification during commissioning
- Establishing baseline standards for system performance
- Determining current system capacity vs future needs for growth planning
- Monitoring the success of new and ongoing conservation efforts
- Cost allocation for individual buildings and departments
- Control applications such as chiller and boiler staging
- Monitoring individual chiller and boiler efficiency
- Hydronic system troubleshooting and optimization



AIR MONITOR CORPORATION U.S.A. : AIR FLOW & PRESSURE MEASUREMENT

Air Monitor Corporation was founded in 1967 with the invention of the multi-point, self-averaging Pitot tube airflow traverse station with built-in air straightener, now generically referred to as "airflow measuring station" or "flow monitor. More than 1,000,000 Air Monitor systems have since been installed worldwide.

Air Monitor Corporation has over 40 years of experience in providing airflow measurement and control solutions for the HVAC Industry. Air Monitor is dedicated to working with owners, consulting engineers, and contractors to understand the site's airflow measurement and control needs. Air Monitor has a long history of providing differential pressure measurement solutions for industrial, commercial and power generation applications. More recently, they introduced a thermal dispersion measurement solution to complement their differential pressure product line. Please see the Summary of Products Brochure where you will find more information on Air Monitor's highly accurate solutions for building airflow management, duct air flow measurement, fan tracking room pressurization, fan sequencing, fume hood monitoring, and more.

We offer following range of products from Air monitor corporation USA for your projects.

1. Airflow measurement devices- thermal dispersion technology and differential pressure technology



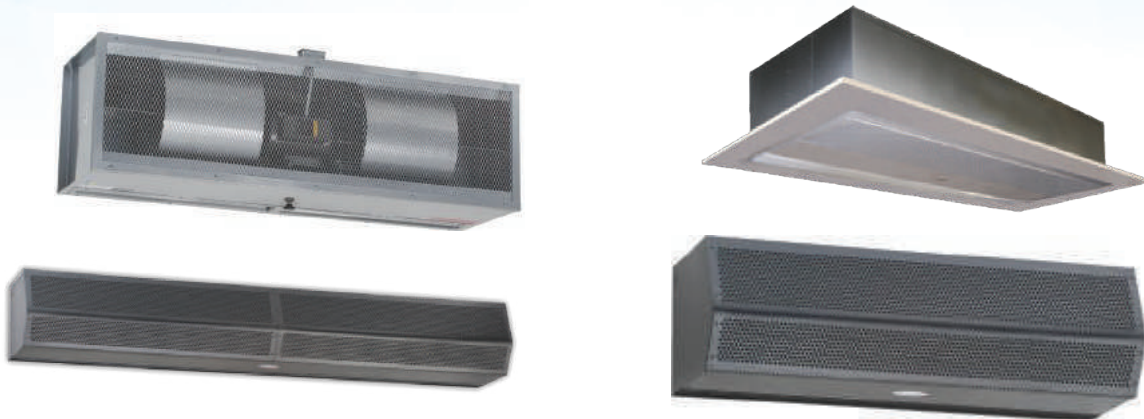


atmosphere is everything

MARS USA - AIR CURTAINS

Mars Air Systems have been manufacturing high quality air curtains for over 50 years. MARS air curtains protect building environments from energy loss and windborne dust, dirt and fumes, along with flying insects. The air barrier created by the light stream of air over a doorway helps to improve inside sanitation and reduce operational energy costs.

Mars Air Curtains qualify for LEED point credits when utilized within a building management system and help to support Green Build initiatives. Mars is a global company with factory trained manufacturers' representatives and dealers/distributors located across the US and internationally.



HK INSTRUMENTS
USER-FRIENDLY MEASURING DEVICES

HK INSTRUMENTS (FINLAND)

HK INSTRUMENTS is a product from Finland that helps customers to keep the quality of indoor air and the functionality of buildings high resulting in wellbeing and energy savings. HK Instruments has over 30 years of experience in providing highly accurate and easy-to-use measuring devices, mainly for HVAC applications in ventilation and building automation system.

PRODUCT RANGES

DIFFERENTIAL PRESSURE TRANSMITTERS
AIR FLOW PROBES AND VELOCITY TRANSMITTERS
PRESSURE AND FLOW CONTROLLERS
CARBON DIOXIDE TRANSMITTERS
HUMIDITY TRANSMITTERS
INDOOR AIR QUALITY, VOC, CO

PRESSURE TRANSMITTERS FOR LIQUIDS
PASSIVE TEMPERATURE SENSORS
AIR PRESSURE GAUGES & MANOMETERS
PRESSURE SWITCHES
FILTER ALERTS (DISPLAY + RELAY)
MICRO MANOMETER





QUATROSENSE ENVIRONMENTAL Ltd. (QEL - CANADA)

Quatrosense Environmental Ltd. (QEL) is a privately held, North American Corporation which manufactures and markets a wide selection of instrumentation for hazardous gas detection.

Products

Helping to protect building occupants and property, QEL is a leader in manufacturing toxic and combustible gas detection equipment. With a diverse product offering, we are able to satisfy both commercial and industrial toxic and combustible gas detection applications. Commercial applications include carbon monoxide and nitrogen dioxide monitoring in parking garages, carbon dioxide monitoring in schools and auditoriums, to Freon detection in chiller rooms.

Industrial applications include ammonia monitoring in the agriculture industry, carbon dioxide and ammonia monitoring in the food and beverage industry, monitoring toxic and combustible gases for the United Space Alliance & Aerospace Industry.

Product Range:

1. Toxic gas transmitters/sensors (various gases)
2. Carbon dioxide transmitter/sensors
3. Toxic or combustible gas transmitter/sensors (various gases)
4. Refrigerant gas transmitters/sensors
5. Oxygen transmitters/sensors
6. Non-intrusive toxic or combustible gas transmitters/sensors





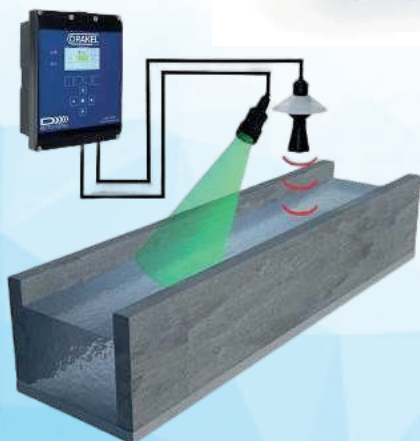
Detectronic UK

Detectronic is a specialist in Sewer and Wastewater Network Monitoring and Management focusing on measuring, recording, reporting, and reacting to wastewater depths and flow rates. Detectronic designs and manufactures a range of ultrasonic wastewater flow, level, and water quality monitoring equipment for specialist wastewater network monitoring of sewerage, wastewater, and trade effluent.

Detectronic is passionate about quality & efficiency and committed to helping customers through an analytical, innovative, and creative approach to problem-solving

Major applications

- Sewer Network Monitoring System
- Waste Water Flow Meters
- Water Level Sensors
- Water Quality Monitoring





BURPROVENT GERMANY: CAR PARK & TUNNEL VENTILATION SYSTEM

BURPROVENT is a young & dynamic company and because of the unique experience, built up throughout the past years by executing over 1000 car parks & tunnels all over the world. BURPROVENT has the capacity to create custom made, highly competitive and innovative (compared to ducted car park ventilation system) solutions for all Car parking & tunnel ventilation system.

BURPROVENT fans have been introduced in Germany since 2010 as an independent brand. The fans have been proven in virtually all applications of general air conditioning and air conditioning for more than 80 years and are constantly being developed to the state of the art and energy efficiency. Modern fan technology increases the efficiency and thus significantly reduces the operating costs over the lifetime of the systems. Aerodynamically optimized wheels reduce noise emissions to a minimum. In the area of fire protection, BURPROVENT offers a virtually complete range of standard fans and combustion gas fans up to 600° C, which are available within the shortest delivery times and at reasonable prices. The product range includes in particular axial, radial and roof fans. Furthermore, garage exhaust fans are offered as double fans or double exhaust fans with complete control.



Burprovent has developed car parking ventilation system using Impulse type Jet fans and is heading the design team of Burprovent. They have adopted tunnel ventilation methods to car park ventilation systems & proved the system. This Car parking system is an intelligent system where the operation of the Jet fans, main extract & supply fans are controlled by CO & Fire detectionsystems.

Following are the advantages of Buprovent Impulse type Jet Fans.

- a. Reduction in the parking height
- b. Fewer units of fans required to do the same work of Impulse fans.
- c. Reduction in Electrical components & cables.
- d. Reduction in the energy consumption.
- e. Smaller Back up power supply
- f. Reduction in the Installation & Maintenance cost

Burprovent Germany provides a complete design of Car parking ventilation system which is supported by CFD analysis.

Service Department

ALMI INTERNATIONAL has highly trained staff that takes care off maintenance, services and engineering solutions. We also provide solutions to trouble shooting during start-ups and takes care of commissioning and normal operations.

All our engineers and technicians have been trained on our range of products and equipment we supply, we keep sufficient inventory of spare parts coupled with experienced service technicians, availability of tools and facilities enable ALMI to attend all service call within hours.

We at ALMI INTERNATIONAL, highly value our customers and are proud to provide quality products backed by an excellent after sales service and maintenance.





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