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HazardEx International 2007 – The Awards

**Rewarding excellence in the hazardous area industry**

The HazardEx International 2007 Awards were presented at the event’s Gala Dinner held at Birmingham’s Motorcycle Museum the awards celebrated the professional excellence across the innovative hazardous area sector of industry. The HazardEx Awards scheme is designed to allow the achievements of businesses, large and small, working within the hazardous area industry to be recognised and rewarded. The winners and runners-up were presented with their accolades during the Awards.

**TECHNICAL INNOVATION OF THE YEAR**  
Sponsored by R. STAHL LTD



Electrical equipment in explosion-protected design is required to avoid explosions in hazardous industries such as chemical refinery. R. STAHL provides a wide-reaching programme extending from electrical devices by way of modern instrumentation technology right up to lighting systems – all in explosion-protected design.  
<http://www.rstahl.co.uk>

**WINNER**

**STL International**  
**Hazardous area LED light**

The hazardous area LED light from Italsmea is multifunctional and can be adapted to fit onto a viewing recess in a reactor vessel and provide inspection lighting before, during and after a process cycle. The main factor for installing LED lighting in this type of application, and in particular the pharmaceutical industry, is that the cold burning characteristics of an LED ideally lends itself to process lighting. Temperature rises caused by external influences – as in some other types of lighting – can interfere with the process itself and upset the tightly monitored conditions. LED lighting does not have this effect.



**RUNNER-UP**

**BEKA Associates**  
**Fieldbus indicator**

The Fieldbus Indicator Type BA414DF recently released by BEKA is typical of the innovative skills of a company very well known for their Hazardous Area Instrumentation services to produce a very robust and cost effective instrument clearly reflecting the professional skills of a British engineering instrumentation company. It reflects again their design/manufacturing skills to produce proven and very successful instruments for the hazardous area market place.

**RUNNER-UP**

**CCG Cable Terminations**  
**Corrosion Guard cable gland**

Cable glands used in hazardous areas particularly in the offshore and onshore petrochemical industries are susceptible to corrosion either in the form of environmental or chemical attack. Glands are traditionally manufactured from brass, which offers fairly good resistance to mild corrosive conditions. However in the petrochemical process industry, brass glands do not offer adequate protection against chemicals such as hydrogen sulphides, ammonia and nitric, hydrochloric and sulphuric acids. CCG's solution to the problem of corrosion of brass cable glands is the screw on Corrosion Guard.

## CONTRIBUTION TOWARDS SAFETY

Sponsored by ABB Engineering Services



ABB Engineering Services is an international technology consultancy providing leading edge technical solutions to clients in industries. Highly qualified and experienced engineers and consultants are dedicated to improving plant and business performance. The company's experience covers the chemical, petrochemical, oil and gas, pharmaceutical and consumer industries worldwide. <http://www.abb.com>

### WINNER

#### MTL Open Systems Technologies SafetyNet SIL2 certified safety system

MOST's SafetyNet meets the requirements for SIL 2 safety functions with simplex controllers and simplex I/O modules, though redundant controllers can be added for improved availability. This functional safety system has been certified by TÜV Rheinland for use in SIL 2 safety functions, which was achieved by designing in a high level of diagnostic coverage. The result is a system that has a very small package size and is extremely cost effective – as redundancy inevitably adds size and cost.



### RUNNER-UP

#### CCG Cable Terminations Explosion proof cable glands

CCG's hazardous areas cable glands are designed so that all critical components such as seals, cones and cone rings are held captive within the body of the gland giving true built in safety. The CCG Captive Component Glands concept allows the installer to install hazardous areas glands without misplacing, losing or incorrectly fitting these safety critical components required to earth, clamp and seal cables onto explosion proof apparatus.

### RUNNER-UP

#### Fluke UK ATEX certified digital multimeter

The Fluke 87V-Ex has measurement functions, troubleshooting features, resolution and accuracy to solve problems on motor drives, in plant automation, power distribution, and electro-mechanical equipment both inside and outside hazardous areas. Packed with problem-solving power the 87V-Ex offers a high level of safety, are simple to operate and have a high level of impact protection.

## USER APPLICATION OF THE YEAR

Sponsored by SIRA



Sira is a world leading product certification body, appointed by the UK Government as an EC notified body (No. 0518). The accredited by the United Kingdom Accreditation Service (UKAS) and certifies against National, European and International standards. Sira can undertake all the necessary tests and assessments to certify products in accordance with the ATEX directive and earlier standards. Sira is also a leading supplier of hazardous area services throughout the world and is also accredited by UKAS to certify organisations. Sira can manage the full lifecycle of functional safety to IEC 61508. <http://www.siracertification.com>

### WINNER

#### Vega Controls UK Radar levels a coal dust hazard

A coal processing plant has a difficult level monitoring application in a coal dump truck reception hopper for raw unprocessed coal. The bin dimensions are 12m high and 10m wide and it also has a spray water dust suppression system. The level reading needs to be reliable as it enables operators to ensure available capacity for the next truck, as well as keeping a heel of material in the bottom to prevent falling product damaging the outlet and conveying system. The customer has previously tried a number of different instrument technologies such as laser, ultrasonic and low frequency radar with varying results.



### RUNNER-UP

#### EnvironmentIQ Environment, health and safety at Nippon Gohsei (UK)

Nippon is a chemical company based in Hull on a BP site, management of EHS is critical. The company has taken a pro-active approach to EHS Risk Management by using EHS data as a means of improving operational process and reducing risk. Adopting an integrated software system has allowed the creation of an EHS conscious culture and therefore reducing the risk of

incidents.

**RUNNER-UP**

**Protego UK**

**Protecting storage tanks with flame arresters**

Protego UK has introduced a new range of endurance burn proof flame arresters specially tested to protect tanks storing alcohol-based fuels such as E85. Standard flame arresters used for petroleum storage tanks are unable to protect against ethanol and with increasing demand for E85 this product allows users to achieve maximum protection for their tanks.

**SMALL/NEW BUSINESS OF THE YEAR**

Sponsored by Turck



TURCK is one of the leading manufacturers in industrial automation and was one of the first companies to recognise the potential of automating production processes by using electronic components. Specialising initially in the production of sensors, today Turck offers solutions and components for the full spectrum of automation tasks. Whether the requirement is for sensors, interface or fieldbus technology for all commonly used fieldbus systems.

<http://www.turckbanner.co.uk>

**WINNER**

**Diaphragm Pumps**

Diaphragm Pumps is a specialist supplier of air operated double diaphragm (AODD) pumps. A commitment to servicing this market and constant reinvestment means stock level of pumps and spare parts currently exceeds £1 million.

The company has access to most pump brands as well as large stocks of Industrial Pumps including ATEX rated units. Stocked pumps include ranges conforming to FDA, USDA, 3A and EHEDG. Continuous reinvestment means that the company has also increased its stock of chemical pumps in PTFE, polypropylene, PVDF and acetal to handle the most arduous of duties.

**RUNNER-UP**

**Bedford Opto Technology**

Bedford Opto Technology specialises in the design, development and manufacture of Infra Red and Visible Opto Electronic Components and Assemblies. Our business is dominated by the manufacture of parts to customers' unique specifications, which may be variants of our many standard parts.

BOT has established itself in Scotland as a successful competitive designer and manufacturer of a wide range of Opto Electronic devices and in 2002 will open a new factory unit in Biggar, Lanarkshire, to expand our workforce and facilities to meet the growing demand for our products and services.



**RUNNER-UP**

**Ecom Instruments UK**

Part of the world-wide ecom group, ecom instruments UK supplies technically innovative ATEX and FM certified intrinsically safe products that provide effective and efficient solutions to the problems of working in Ex-Zones.

With more than 20 years experience in this industry, the ecom Group now looks after over 15,000 customers. The head office is based in Assamstadt, Germany and there are now nine subsidiary companies located world-wide.

Established in the UK in 1999, ecom instruments UK are located in Chesterfield from where the full range of products and services are available



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