UK and global blast resistant buildings from IMS

IMS Blast Resistant Buildings Ltd designs, manufactures and installs blast resistant buildings for hazardous environments in the UK and globally. Its blast resistant buildings range includes both stand alone and modular buildings, which can be manufactured in bespoke sizes and specifications, from 100mba to 1000mba.

IMS' BRM's are used for a range of applications in the petrochemical industry and sites in which hazardous materials are processed or stored, maximising safety of personnel and protecting equipment and the environment.

The range includes offices, welfare facilities, control rooms, toxic refuge, shelters in place, substations, control rooms and remote instrument enclosures with all buildings engineered in accordance with the following guidelines:

ASCE – design of blast resistant buildings in petrochemical facilities;

API 752 (2009 edition) management of hazards associated with location of process plant permanent buildings;

API 753 (2007 edition) management of hazards associated with location of process plant portable buildings:

CIA – the guidance for the location and design of occupied buildings on chemical manufacturing sites (2010 edition).

IMS Blast Resistant Buildings Ltd is part of IMS Energy Ltd, headquartered in Darlington, UK, with a blue chip global customer base. IMS Energy is a well known and a highly regarded business providing multi-disciplinary engineering, fabrication and project management services. For more information visit IMS' website.





Kiwa opens hydrogen production plant

Clare Jackson of Hydrogen UK was guest speaker at the official opening of Kiwa's local hydrogen production plant last month.

The plant and technology demonstration site is linked to Kiwa's new test labs by the UK's first low pressure hydrogen distribution pipeline, operated under the Gas Act 1986. The ability to connect to a continuous flow of odourised hydrogen will be invaluable to manufacturers seeking to understand the performance and longevity of their appliances.

The Kiwa team (including project manager Georgina Orr and project engineer Dr Leighton Holyfield) has designed and managed the build of the hydrogen production plant, which involves steam methane reforming (SMR) of natural gas, primarily from a local biogas source, and the conversion of Kiwa's labs to use this piped hydrogen.

The knowledge gained is already proving useful to standards developers, market regulators and those looking to convert their own facilities to use bulk hydrogen.









Hydrogen valve collaboration – only Oliver's could do

Oliver Twinsafe has been working with sister companies Oliver Hydcovalves and Oliver R&D, to prepare its 2" metal seated trunnion ball valve ready for hydrogen applications. Testing using helium, which is the best substitute to hydrogen, has been carried out by R&D technician John Whitehead who said:



In order for the trunnion valve to pass testing it had to meet with stringent ISO 15848-1:2015 tightness class B certification including ISO 5208:2015 zero seat leakage rate A. We've achieved this with precision engineering and by providing a high-quality seal face finish.

For more information on Oliver Valves' capabilities and service. contact Ian Bryant or Nick Howard on 01565 632636.



RSK Group welcomes specialist systems integrator **Proeon Systems**

RSK Group Ltd has announced the addition of Proeon Systems, a specialist systems integrator supplying industrial grade control and safety solutions, to its business portfolio.

The company provides complete industrial grade control and automation systems incorporating both hardware and software solutions. Proeon specialises in solving control and monitoring issues within some of the harshest environments, including nuclear, renewables (offshore wind) to deepwater subsea for the oil and gas sector. Proeon has an enviable reputation for design, build and installation of control solutions from multi-level communications platforms.

The Norwich-based business was established in 2004 by Kevin Magee and Eddie Pond and has developed a strong client base which includes National Grid. Procter & Gamble. Shell and Crosswind, and contractors such as Balfour Beatty and Worley.



Proserv to drive development of optimisation software

Global controls technology leader Proserv has signed a Memorandum of Understanding (MoU) with UK based start-up company Ortomation. The tie-up is intended to facilitate the development and commercialisation of unique real-time optimisation (RTO) software.

The agreement is the latest development in Proserv's ambitious technology roadmap which is focused on delivering impactful, disruptive monitoring and optimisation solutions, harnessing the power of data analytics, to bring gains right across the energy sector. By targeting production and yield increases, as well as a reduction in energy consumption and other operating costs, effective RTO software can increase performance by up to 5%. As businesses align themselves towards the needs of the energy transition and a net zero future, RTO can offer tangible upside around improved operational efficiencies and reduced emissions footprints. Visit Proserv's website for more information.



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