

UK £10, USA \$16.50

# Health, Safety & Security Review

VOLUME 2 | ISSUE 1 2016

## Middle East

## ALLEYES ON INTERSEC

Looking ahead to the region's leading  
security and safety showcase

### INSIDE...

Beating the counterfeiters in the PPE market

Changing guidelines for glove manufacturers

Securing security opportunities in Iraq

Join us at:

# intersec

News • Security • Safety • Training • Equipment • Innovations • Events

# World's **FIRST** and only wireless remote controlled fire fighting support machine



**Visit us at INTERSEC 2016, booth 3-H38 and Arena Plaza 1 area from 17th - 19th January 2016**

- Tracked Vehicle
- Remotely operated radio remote control range up to 300 m
- Water pump - 2X6000 ltr /min total 12000 ltr /min
- 350° rotatable monitor
- Main monitor 18000 ltr /min
- Jet nozzles, jet stream & spray stream
- LUF 60™, a wireless remote controlled mobile firefighting machine
- Radio remote control range upto 300 meters.
- Flow rate step less adjustable from 400—3000 lt./min.
- Stair way & ramp climbing : 30°
- Additional equipments available -
  - Monitor, Foam Tubes, 3-Point Hydraulic, Forklift, Carrier Box, Air Ducting System "Lutte", Additional Ventilator, Trailer, Cable Winch, Mini Crane, Rail Kit, Rail-Drive System, Floodwater Pump



LUF 120



LUF 60

**Strategic and investment opportunity available!**

Tank International Petroleum Equipment & Instrumentation Co.  
Telephone: 22660005 Fax: 22644549 Email: tankco@ivacis.com



**BULWARK FR** with our team of experts invites you to visit us at **STAND CB55**

Discover how the world's #1 **FR** apparel can arm you for your working environment.



Visit us at **MIDDLE EAST ELECTRICITY**

**More people arm themselves with Bulwark than any other FR brand.**

Because only Bulwark brings 44 years of frontline experience to the realities you face every day. Helping you navigate an everchanging sea of standards. Surrounding you with ideas, illustrations and alerts that help you make safety a shared priority. And offering the finest FR apparel, and FR education programs, the world has ever seen. So when you see our triangle on your left, know you've done everything right. **Because with Bulwark You. Are. Armed - literally. And figuratively. With the world's best.**



**1-3 March 2016**  
DUBAI WORLD TRADE CENTRE

**Stand  
CB55**



Strategic Partner

[www.bulwark.com](http://www.bulwark.com)

For Enquiries : Tel. +971 4 887 6364

**VISIT US STAND 7-D12**  
**intersec**

DICKIES dedicated sales team invites you to discover our range of garments and footwear on our stand 7-D12 at Intersec 2016.



**AMERICAN  
ICON  
SINCE 1922**

**INQUIRE ABOUT OUR  
WEARER-TRIAL PROGRAM TODAY**

**WILLIAMSON-DICKIE MIDDLE EAST FZE**  
**CUSTOMER SERVICE: +971 4 887 8223 INFO@DICKIES-ME.COM**  
**WWW.DICKIESWORKWEAR.COM**

# Issue One 2016 in this issue...



## News

**Market News 6**  
Developments from across the HSE industry in the Middle East

**Calendar 10**  
A round-up of upcoming industry events worldwide

## Security

**Staying Secure in Iraq 12**  
Harlow International's Mike Lord on the Iraqi security sector

## PPE

**Beating the Counterfeiters 16**  
A look at the dangers of purchasing counterfeit PPE

**Glove Protection 18**  
The president of the European Safety Federation discusses changes to the EN 388 Standard

## Safety

**Avoiding the Risks 22**  
Captial Safety Training UK's Stephen Morris tackles the risks facing workers in confined spaces

## Events

**Intersec 2016 26**  
Looking ahead to the region's leading safety and security show

**ADIPEC Review 34**  
All the news from the latest edition of the oil and gas event

## Innovations

**Products and News 40**  
Technology and product news from across the world of HSE

## Arabic

**News Analysis 5**  
**10**

## editor's letter

Intersec, the region's largest safety, security and fire protection trade event, will return in January 2016 as HSE suppliers hope to make the most of business opportunities throughout the Middle East. We have a full preview of this year's show (p26), along with the latest news from some of the event's exhibitors. We also have an exclusive interview with Guido Van Duren, president of the European Safety Federation, on new Standard guidelines for protective gloves (p18), while Mike Lord of Harlow International discusses in depth the challenges and risks associated with working in Iraq's security industry (p12).

*Ben Watts, Managing Editor  
editor@hssreview.me*

**Managing Editor:** Ben Watts  
Email: ben.watts@alaincharles.com

**Editorial and Design Team:** Prashant AP, Hiriyti Bairu, Sindhuja Balaji, Andrew Croft, Ranganath GS, Georgia Lewis, Rhonita Patnaik, Prasad Shankarappa, Zsa Tebbit, Nicky Valsamakis and Louise Waters

**Magazine Sales Manager:** Justin Berman  
Tel: +44 (0) 207 834 7676 Fax: +44 (0) 20 7973 0076  
Email: justin.berman@alaincharles.com

**Middle East Sales Manager:** Rakesh Puthuvath  
Tel: +971 (0) 4 448 9260 Fax: +971 (0) 4 448 9261  
Email: rakesh.r@alaincharles.com

**Head Office:**  
Alain Charles Publishing Ltd, University House,  
11-13 Lower Grosvenor Place, London SW1W 0EX, UK  
Tel: +44 (0) 20 7834 7676, Fax: +44 (0) 20 7973 0076

**Middle East Regional Office:**  
Alain Charles Middle East FZ-LLC, Office 215,  
Loft No 2/A, PO Box 502207, Dubai Media City, UAE  
Tel: +971 (0) 4 448 9260, Fax: +971 (0) 4 448 9261

**Production:** Priyanka Chakraborty, Nikitha Jain, Nathanielle Kumar, Donatella Moraneli and Sophia Pinto. E-mail: production@alaincharles.com

**Subscriptions:** E-mail: circulation@alaincharles.com

**Publisher:** Nick Fordham

**Publishing Director:** Pallavi Pandey

**Chairman:** Derek Fordham

**US Mailing Agent:** Health, Safety & Security Review Middle East is published six times a year for US\$71 per year by Alain Charles Publishing, University House, 11-13 Lower Grosvenor Place, London SW1W 0EX, UK.

**Printed by:** Emirates Printing Press

**Printed in:** January 2016

**Arabic Translation:** Ezzeddin M. Ali  
Email: ezzeddin@movistar.es

**Arabic Typesetting:** Lunad Publicity, Dubai

All information in this publication was correct at time of going to press.

© Health, Safety & Security Review Middle East • ISSN: 2059-4836

**Health, Safety & Security Review Middle East**

**Alain Charles Publishing**

# How safe are Dubai's high-rises?

The recent fire at The Address Downtown Dubai has cast doubts on fire-retardant exteriors of Dubai's high-rises yet again, but timely and planned evacuation operations have been widely appreciated.

Photo: Naufal MQ/Shutterstock.com

The image of The Address Downtown Dubai in the last couple of hours of 2015 wasn't a pleasant one at all – the imposing 63-storey building, considered a landmark in the emirate, was ablaze following a fire that broke out on the 20th floor. Flames engulfed the exterior of the building rapidly and rose upwards for about 40 storeys. Even as experts and residents continue to ponder how the fire broke out, the incident has already sparked a debate on the existing fire safety norms being followed in Dubai's high-rises. Though there is no official confirmation, there's widespread speculation over the role of flammable cladding that caused the fire to spread.

Cladding refers to the application of one material over another and sticking them together, effective in keeping wind, water and dust at bay. They are made from a thermoplastic core – plastic heated to a high temperature and held between two sheets of aluminium. However, cladding could be combustible. In a *Daily Mail* report,

Gloucester-based consultant Phil Barry, who has worked in the Middle East, said that fatalities could occur due to flammable cladding. "The basic rule dictates that the outside of any building that is more than 30 metres high – as high as any fire-truck ladder can reach – must be made of non-combustible materials." The very reason it took firefighters more than 12 hours to douse the fire out at *The Address* was the sheer height from which smoke was billowing.

In 2012 and 2013, Dubai's building codes were made more stringent. A report in *The National* said that the UAE's Interior Ministry introduced an extension to Dubai's Fire and Life Safety code, urging new buildings to incorporate cladding that are compliant with fire safety regulations. In 2013, Civil Defence Chiefs announced that owners of buildings with flammable cladding install a "ring of fire" retardant panels every three floors.

Meanwhile, fire-fighters, members of the royal family, Dubai Civil Defence force and

## UAE fire fact file

**The Torch:** A fire broke out at The Torch on 21 February 2015, where external cladding was burnt from the 50th floor upward.

**Tamweel Tower:** On 18 November 2012, the Tamweel Tower in Jumeirah Lake Towers caught fire.

**Al Tayer Towers:** The residential sky rise in Sharjah was engulfed in flames in April 2012.

policemen averted a major disaster. Onlookers stated that guests at the hotel were evacuated in minutes, even as firemen tried to control the quickly-growing fire. So far, no casualties have been reported. It has shown there was an exit strategy in place, in the eventuality of an emergency, such as this one.

The incident at *The Address* is another reminder that fire safety is of utmost importance. Given the rising number of buildings in the region, its high time fire safety is analysed and implemented.

## Travel Risk Map can aid oil and gas companies with risk assessment

International SOS and Control Risks have launched the Travel Risk Map 2016 to aid oil and gas companies with understanding risks in markets they operate within.

The Travel Risk Map displays the medical risk rating and travel risk rating in every country, following an overview of risk by destination. Rob Walker, head of information and analysis at International SOS and

Control Risks, said, "Education and information – and, in some cases, training – are vital to helping employees understand and mitigate threats to their personal safety."

An analysis of international business travel against the Travel Risk Map ratings found that nearly one out of three trips abroad are to countries with a higher medical or security risk than the traveller's home country.

Participants of a *Ipsos Global Advisor* study revealed that they had concerns while travelling abroad on work. Less than four out of 10 travellers do some research on the safety levels in the places they are expected to visit. Through the Risk Map, travellers can plan their trips better. Risks could arise anywhere and it's wise to take precautions, suggested Walker.

## PDO launches major review of contractor and sub-contractor staff welfare

### EMPLOYEE WELFARE

Petroleum Development Oman (PDO) has launched an industry-first investigation into the welfare of 30,000 employees in its contractor community.

At a conference at its Mina Al Fahal headquarters, senior representatives of around 200 of PDO's main contractors and sub-contractors were invited to participate in a workforce welfare assessment programme, underpinned by the need to demonstrate "duty of care" to staff and ensure full compliance with Omani labour laws.

The three-year benchmarking programme, called Project Prism, is a ground-breaking initiative for the oil and gas sector focused on worker welfare, support and engagement with the aim of identifying and sharing best practice and raising standards.

PDO managing director Raoul Restucci said, "Project Prism is about embedding effective and caring labour practices among our contractors and ensuring personnel at every level are



PDO managing director Raoul Restucci addressing senior representatives of the company's main contractors.

engaged and supported well and in accordance with national legislation and highest international standards.

"We want to work with our contractors to help create a better work environment across our operations and beyond.

"We cannot expect people to give their best for PDO and their companies without demonstrating the equivalent commitment to our respective staff," Restucci added.

The interviews will assist PDO to identify key issues, assess and raise operating standards and share best practice, as well as to

recognise top-performing companies. The survey covers a wide range of topics including safety, pay, training, medical care, food, accommodation and human resources provision in the field. After rigorously assessing the data collected, the company will give each contractor detailed feedback and offer high-level coaching and advice on best practice.

PDO industrial relations manager Saoud Al Jabri said, "Project Prism is about giving those who work for us a voice, so we can address problems and embed best practice."

## Strengthening EHS standards

### STANDARDS

The European Bank for Reconstruction and Development (EBRD), in co-operation with other lenders, is providing a loan facility of up to US\$170mn to Advanced Energy Systems SAE (ADES), a leading independent Egyptian oil services company. The loan will help ADES improve compliance with the highest environmental, health and safety (EHS) standards through annual certification to international ISO and OHSAS standards. This will be complemented by a comprehensive policy dialogue programme to promote the adoption of health and safety standards across the wider oil and gas sector in Egypt.

The introduction of offshore drilling equipment will help foster the development of domestic natural gas production, which will reinforce energy security. Technical co-operation funds will be mobilised to assist the Egyptian authorities in bringing national EHS regulation up to internationally recognised standards and supporting capacity-building.

## Drydocks World receives five-star rating from the British Safety Council

### OCCUPATIONAL HEALTH & SAFETY

Drydocks World, the international service provider to the shipping, offshore, oil, gas and energy sectors, has received a five star rating from the British Safety Council for Occupational Health and Safety.

The company underwent a detailed, quantified and objective audit conducted by the British Safety Council on occupational health, safety management systems and a number of key safety indicators.

Drydocks World's management continually focuses on principles that enhance operational excellence, sustainable development and creating a culture to increase the safety of employees, according to the company.

The British Safety Council's Five Star Occupational Health and Safety Audit provides organisations with a worldwide benchmark of their safety management systems against current best practices to

enable continual improvement. The audit specification includes performance measurements on leadership and continuous improvement as management indicators.

Within the revised audit, the British Safety Council has placed a greater emphasis on the organisation's approach to occupational health, employee wellbeing, safety culture, allocation of resources to health and safety and planning to stimulate productivity and innovation.

## DEWA signs MoU with national crisis authority

### DISASTER MANAGEMENT

Dubai Electricity and Water Authority (DEWA) has signed a Memorandum of Understanding (MoU) with the National Crisis and Emergency Management Authority (NCEMA) to enhance co-operation and teamwork between both parties, allowing for further exchange of resources, skills and knowledge in disaster management. It will also enable both parties to stay up-to-date on the latest crisis and emergency systems and Geographic Information Systems (GIS).

“This falls in line with DEWA’s strategic risk management plans, to improve risk management preparations, to identify roles and responsibilities in case an emergency were to occur, and to reinforce Dubai’s status as a cosmopolitan city,” said HE Saeed Mohammed Al Tayer, managing director and CEO of DEWA. Al Tayer added that DEWA co-operates with various government organisations and departments on disaster management, while focusing on the strategic importance of electricity and water.

## New industry partnership for training



### TRAINING & DEVELOPMENT

Stirling Group has partnered with the EU Iraq Energy Centre (EUIEC) to provide risk management training to the Iraqi oil and gas industry.

The UAE-headquartered specialists in health, safety and environmental services will deliver a series of three day courses on dealing with uncertainty and risk in the global energy sector from its training centre in Erbil. Aimed at graduates, and developed in partnership with the KRG Ministry of Natural Resources’ Competency Development Programme, the course will cover a range of concepts, principles and practices for dealing with potential risks when working offshore.

The partnership between Stirling Group and the EUIEC aims to facilitate further development of the Iraqi energy sector to create a pipeline of skilled and highly competent workers across the Middle East.

Angus Neil, managing director of Stirling Group said, “Our training programmes are specifically developed and delivered to meet a range of rigorous professional standards in line with the needs of the industry, now and in years to come. It’s vital that oil and gas workers are exposed to the potential risks and are equipped with the skills and knowledge to ensure compliance in hazardous, high-risk and hostile environments.”

# I · C · M · E ·

---

## HEALTHCARE

Healthcare Consulting
Design & Construction Management
Facility Management



Specializing in Healthcare, ICME delivers consulting, engineering and project management solutions to clients – from concept to turnkey.

Our services include feasibility studies, business plans, medical programming, equipment planning, design and project management, facility management, and site supervision for hospital projects.

ICME International AG - Abu Dhabi Branch  
E: info@icme.com / T: +971 2 643 3320 / W: www.icme-healthcare.com

## Cyber threats risk rising, says KPMG

### CYBER SECURITY

David Ferbrache, technical director at KPMG’s cyber security practice, foresees a growth in extortion attacks, the targeting of high net worth individuals and commercial banks, and terrorist-deployed attacks in 2016.

“Businesses of all sizes need to look beyond cyber security as a technical issue, and start preparing for some of the worst case scenarios,” he says. “Many businesses now accept the likelihood of a data breach and are turning their attention to what a cyber incident might actually mean for their business, and just how they can restore and maintain client and customer confidence if and when they are hit – an issue for the whole C suite, not just the CIO.”



# MaxiCut® Ultra™

## FEELS LIKE BARE HANDS, BUT IT'S CUT LEVEL 5\*



NEW



Designed and developed as a 360° breathable cut resistant glove, MaxiCut® Ultra™ combines high levels of cut protection with comfort, flexibility and dexterity for dry environments.

The integration of our AIRtech® technology in the coating enables what we call 360° breathability. It works to keep the hands cool on the palm as well as the back of the hand.

The thin and flexible coating is still extremely tough due to the use of our technology platform DURAtch® in the coating.

Our latest knitting technology is utilized to produce smooth and rounded fingertips, improving fingertip sensitivity.

The micro-cup finish allows optimized grip in dry environments.

**GUARANTEED SKIN FRIENDLY**



\*according to EN388:2003  
Image shows MaxiCut® Ultra™ 44-3745, EN 388:2003 - 4542  
Nitrile coating (100% DMF Free)  
Patent Number EP1608808



Find out more: [www.atg-glovesolutions.com](http://www.atg-glovesolutions.com)

## → events calendar 2016

### January 2016

17-19	<b>Intersec</b>	DUBAI	www.intersecexpo.com
-------	-----------------	-------	----------------------

### February 2016

21-23	<b>ASIS Middle East</b>	DUBAI	www.asisonline.org
-------	-------------------------	-------	--------------------

23-26	<b>SICUR</b>	MADRID	www.ifema.es
-------	--------------	--------	--------------

### March 2016

15-17	<b>ISNR Abu Dhabi</b>	ABU DHABI	www.isnrabudhabi.com
-------	-----------------------	-----------	----------------------

15-17	<b>Firefighting Middle East</b>	ABU DHABI	www.isnrabudhabi.com
-------	---------------------------------	-----------	----------------------

15-17	<b>Occupational Safety and Health Middle East</b>	ABU DHABI	www.isnrabudhabi.com
-------	---	-----------	----------------------

22-24	<b>The Health and Safety Event</b>	BIRMINGHAM	www.healthandsafetyevents.co.uk
-------	------------------------------------	------------	---------------------------------

### April 2016

12-13	<b>Tank World Expo</b>	DUBAI	www.easyfairs.com
-------	------------------------	-------	-------------------

17-21	<b>SPIE DSS</b>	BALTIMORE	www.spie.org
-------	-----------------	-----------	--------------

19-20	<b>Fire Sprinkler International</b>	MUNICH	www.firesprinklerinternational.com
-------	-------------------------------------	--------	------------------------------------

27	<b>IOSH Middle East</b>	MUSCAT	www.iosh.co.uk
----	-------------------------	--------	----------------

### May 2016

8-11	<b>TOS+H EXPO</b>	ISTANBUL	www.toshexpo.com
------	-------------------	----------	------------------

9-12	<b>SOFEX Jordan</b>	AMMAN	www.sofexjordan.com
------	---------------------	-------	---------------------

16-18	<b>SSS Arabia</b>	DAMMAM	www.sss-arabia.com
-------	-------------------	--------	--------------------

### June 2016

21-23	<b>Safety &amp; Health Expo</b>	LONDON	www.safety-health-expo.co.uk
-------	---------------------------------	--------	------------------------------

### September 2016

5-7	<b>OFSEC</b>	MUSCAT	www.muscat-expo.com/ofsec
-----	--------------	--------	---------------------------

*Readers should verify dates and location with sponsoring organisations, as this information is sometimes subject to change.*

## Emergency response event scheduled for Abu Dhabi security showcase

### EXHIBITION NEWS

The 2016 edition of International Exhibition for National Security & Resilience (ISNR Abu Dhabi) in Abu Dhabi will feature the Emergency Response and Disaster Prevention (EMDI) exhibition, the first dedicated event in the Gulf for emergency response and

disaster prevention across land, sea and air.

The event will bring together governments, NGOs and the world's leading specialist innovators and suppliers, providing a platform for exchanging best practice, inspiring innovation and sourcing effective solutions to ensure business continuity and

smooth recovery from disaster on a local, regional and global basis.

"EMDI is a must-attend event for anybody working in this vital field, as it will allow them to keep abreast of the latest regional and international trends," said Nicky Dawson, group exhibition director of ISNR Abu Dhabi.



# Occupational Health INTERNATIONAL



THE FIRST  
DEDICATED OCCUPATIONAL  
MEDICAL CENTRE IN THE  
UNITED ARAB EMIRATES

- DHA licensed, OGUK certified Occupational Medicine Specialists.
- Tailor made wide range of occupational medicine services served to local and international clients across a range of industries such as oil and gas, manufacturing, constructions, transportation, chemicals industry, energy, logistics, hospitality, etc. covering various job types.
- For more information on the services offered at OHI, kindly contact the business development team at:  
[info@occupational-healthcare.com](mailto:info@occupational-healthcare.com) or call at +971 4 2306400.

GPS  
Latitude N 25 15.917  
Longitude E 55 19.275



Rigga Business Centre, Al Rigga Road, Deira, Dubai, UAE  
T: +971 4 2306 400 | F: +971 4 2306 401  
E: [info@occupational-healthcare.com](mailto:info@occupational-healthcare.com)  
[www.occupational-healthcare.com](http://www.occupational-healthcare.com)



# Building a local security industry

Better living conditions and employment opportunities could help to reduce the potential for social unrest in southern Iraq, says Mike Lord, business development director at Iraq-based Harlow International and managing director of its local security businesses, Al Thaware Security Services (ATS-109) and Al Murabit Security Services (AMS-91).

**“Basra needs homes, electricity, clean running water, job opportunities, needs which have to be addressed by the central government.”**

Mike Lord, business development director at Harlow International

The newspapers are full of the destruction and devastation that ISIS has wrought on northern Iraq. But in the south, where ISIS has no significant presence, it is social unrest and criminality that is the main security threat, says Harlow International’s Mike Lord, who has a distinguished military background and around 30 years’ security experience in the oil and gas sector.

Despite being home to 70 per cent of Iraq’s gas reserves and 59 per of its oil reserves, Basra continues to suffer from the legacy of decades of war, sanctions, occupation and infighting. The economic and social infrastructure is in need of rehabilitation; diseases such as TB are endemic; poverty and unemployment are rife, and the average wage is less than US\$500 a month.

“Basra needs homes, electricity, clean running water, job opportunities, needs which have to be addressed by the central government,” says Lord. The new governor of Basra is pragmatic and keen to draw on ‘oil dollars’ to expand public services, he adds – but the drop in the oil price and the impact of reduced oil revenues on the central government budget means that those oil dollars are slow to flow in.

“The people in the street see the oil and gas coming out of the ground, but are not reaping the benefits. When they are suffering from power cuts in the searing heat and salty water coming out of the tap, it causes resentment.” This has led to demonstrations on the streets in and around Basra and rising levels of criminality and social unrest, Lord says.

However, while there have been some demonstrations around the West Qurna and West Qurna 2 area, oil companies in the field have been largely unaffected, and work continues.

“ISIS has not to date targeted the hydrocarbons sector in southern Iraq, but the security threat remains as a result of other challenges and threats, so people are still being picked up at the airport by meet and greet services, going in armoured vehicles to the oilfield, and from there to secure bases where they operate their day-to-day activities,” says Lord.

“Iraq is a very complex, tribal, sectarian environment, so to any oil company looking to enter the market, my advice would be to be prepared as you possibly can be before you do so. Iraq is a market where you don’t want to go in and learn by your mistakes. You need to be aware of the socio-economic, stability, security issues in country; if you get it wrong, it is likely to impact on the business very quickly.

“There is opportunity in Iraq, but its remoteness and the lack of key services means it is an expensive place to do business. With the oil price currently under US\$40 a barrel, and a break-even price of US\$62-64, the wheels are slowly grinding to a halt. The cost of doing business has gone up while the oil price has gone down, which is leading to more consolidation and competition, particularly in the services industries.”

## Security services under pressure

Security services are among those suffering from cutbacks at the service provision level. “Companies

TOP OF PAGE 13: Falling oil prices and social unrest has hindered the security services industry in Iraq. (Photo: Harlow International)



are looking to cut security budgets by around 20 per cent – which really has an impact where margins of eight to nine per cent are the norm,” comments Lord. The big international security companies which came to Iraq post-conflict are still here, but may be questioning their future in the market.

This situation could, however, pose an opportunity for Harlow’s two licensed local Iraqi security businesses, Baghdad-based Al Thaware Security Services (ATS), which provides construction, defence and VIP security services; and Basra-based Al Murabit Security Services (AMS), which is focused on supporting the oil and gas industry.

Under Lord’s leadership, the two companies have begun to challenge the dominance of the traditional global security firms, and recently became the first Iraqi private security companies to achieve the PSC1.1. international standard – one of the highest recognitions of industry excellence. ATS, for example, is providing both mobile and static security services for the Trade Bank of Iraq, with a training programme at every branch.

Both companies employ 95 per cent of their workforce from the local market, building local knowledge, skills and expertise.

“Our Iraqi companies are now on a par with any international security company in terms of accreditation and standards, and being local entities, are very price competitive,” states Lord. “We are now able to tender for work with the IOCs and are looking to prime contracts rather than subcontracts. We are gaining traction and starting to make an impact; we are the largest owner of armoured vehicles in Iraq.”

Given the role the companies are playing in providing jobs and

opportunities for the local community, rather than bringing in people from outside, the Minister of Interior has been very supportive, adds Lord, who is keen to promote further opportunities for Iraqis in the security industry.

“We’re looking at supporting and mentoring other Iraqi companies to help them raise standards, so they are in tune with the requirements of the IOCs and can do what we are doing.”

The IOCs and major investors should do more to contribute to social and economic development, he feels, and help the country to address issues such as transparency.

“Most western companies look to bring in an external solution rather than take the time to understand and work through the complexities of Iraq’s tribal environment and the Sunni/Shi’a divide. It is better to train and offer positions to the local community rather than bring in people from outside – that is the way Iraq has to go. That would help to build trust and heal wounds, and if there were more money around so that people could buy products such as air conditioning units and bottled water, it would help to reduce the potential for social unrest. The work ethic is there – it just needs time to embed the right culture.

“There are programmes to train and employ locals,” he continues. “In the oil sector, for example, selected individuals are sent abroad or to specialised institutions to study.

“These programmes, however, need to be bigger, faster and more effective in providing employment opportunities.”

While Iraq as a whole faces huge challenges in restoring law and order, uniting its disparate factions and combating ISIS, in addition to



**“It is better to train and offer positions to the local community rather than bring in people from outside – that is the way Iraq has to go.”**

**Mike Lord, business development director at Harlow International**

tackling its social and economic problems, it is not all gloom and doom. “There are positive things happening,” says Lord, citing as an example the US\$7.75bn Bismayah New City project, which Harlow is developing in partnership with a South Korean contractor. Located on the outskirts of Baghdad, this involves the building of 100,000 units between 2012 and 2019 and is currently the world’s largest residential project.

“Iraq wants to work to move forward, once we have a coalition solution to its problems. There are good things happening, old wounds that need healing, new things that need to be brought in, problems that need to be resolved. The government

recognises this, the governor of Basra recognises this and wants to do more. We need to get the oil and gas flowing, get the oil price back up again and help Iraq to rebuild and move forward,” he concludes. ❖

*Harlow International is an international conglomerate based in Iraq, working across oil and gas, defence, construction, government services and the media. 95 per cent of its employees are Iraqi citizens. Harlow’s network of companies advise and support international governments and leading FTSE100 companies operating across the region, including Shell, Standard Chartered Bank and Korean Aerospace Industries.*

## Top tips for staying safe in Iraq

- Do your research. Make sure you know where you are going, what the risk level is there and who will be there to support you.
- Who will take care of you when you get off the plane? Make sure you have good security logistics and support in place from the outset.
- Make sure people know where you are. Harlow uses sophisticated tracking systems that monitor people and vehicles wherever they go in Iraq. This means it can respond quickly if something goes wrong.
- If you’re sick, don’t expect to go to a local hospital. How are you going to be looked after and taken out of the country?
- Build relationships of trust with the locals. Good contacts and communication are key. Use an interpreter to facilitate your contacts with locals.
- At the same time, avoid unnecessary risks when building local partnerships: make sure you have good background information on your contacts and do your due diligence.
- Everybody should go through some sort of HET-type (Hostile Environment Training). However, learning unarmed combat is not necessary.

*ABOVE: Planning is essential to ensuring secure logistics and support are available when working in southern Iraq. (Photo: Harlow International)*



# Aqualyte

High Performance Hydration

**Aqualyte** is the ideal hydration solution for construction companies. It was scientifically developed in Australia with a low sugar, hypotonic formula that is quickly absorbed by the body. It can be consumed daily to prevent heat-related illnesses and maintain high productivity. It is a cost effective way to keep your workforce healthy and prepared to work safely, especially during the summer months in the GCC.

**Call now on +971 4 289 6001 for a more Hydrated, Productive and Safer workforce.**

Exclusively Distributed in the GCC by **Girof Trading Co LLC** | +971 4 289 6001 | info@sportinlife.ae | www.sportinlife.ae

## Because safety means the world to you

Colour your way to an improved workplace

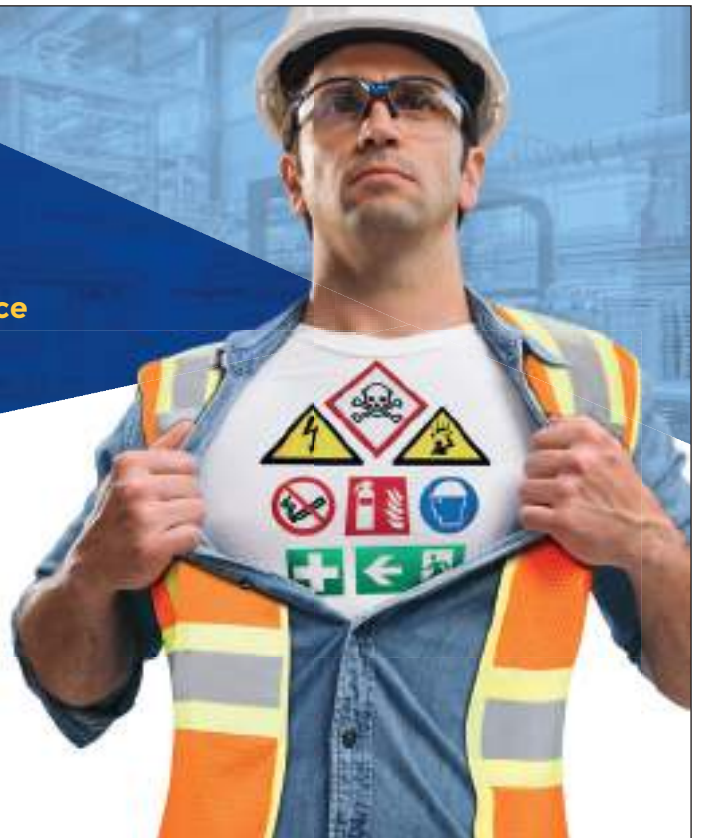


### New BBP™35 & BBP™37 Sign & Label Printer

Create signs and labels in any colour or shape on-site and on demand.

Want to create a lean and safe workplace? Request our free guide "Create a Visual Workplace".

▶ Watch the BBP37 video & Get the 5S Plus Guide



[www.bradyeurope.com/bbp37](http://www.bradyeurope.com/bbp37)  
T: +971 4 881 2524 F: +971 4 881 3183  
E: [emea\\_request@bradycorp.com](mailto:emea_request@bradycorp.com)

BRADY Middle East FZE  
PO BOX 18015  
Jebel Ali, Dubai, UAE

 **BRADY**  
WHEN PERFORMANCE MATTERS MOST™

# Flawing the fakes

An increasing number of fake and illegal PPE products have been entering the market place as manufacturers of copycat products look to take advantage of customers unwilling to pay for original and quality equipment. As many industry bodies point out, however, saving a buck or two on PPE equipment could prove to be the difference between life and death.

**“It is quite easy to buy containers of ‘safety’ equipment direct, and without the correct quality control procedures in place.”**

David Lummis, CEO of BSIF

**F**rom gloves and ear plugs, to reusable respirators and high-visibility vests, fake and illegal PPE products are an increasingly common problem across a range of industrial sectors. The number of illegally manufactured and copied items available to procurement managers throughout the Middle East has created a serious issue for the PPE industry, with items produced using substandard materials or copycat methods.

Often these products are finished in such a way that, to the untrained eye, it can prove difficult, if not impossible, to identify that they are fake.

There can be no doubt that the size of the global PPE market has made it an attractive option for manufacturers of illegal and counterfeit products. According to a 2015 Research and Markets report, the global PPE market has been projected to be worth US\$8.48bn by the end of 2020 with a CAGR of six per cent from 2015-2020.

In the UK, the British Safety Industry Federation (BSIF) has taken a stand by calling on the country’s construction industry to ensure correct PPE is used by its workforce, highlighting that the difference between using fake

PPE products and their authentic counterparts could be life and death.

David Lummis, CEO of BSIF, states, “Many of these counterfeit products arrive [in the UK] in containers from the Far East and can be readily purchased via online auction sites or from street markets.

“It is quite easy to buy containers of ‘safety’ equipment direct, and without the correct quality control procedures in place, the buyer will not have a clue what they are purchasing, thereby endangering lives.”

Sometimes, even the most experienced and knowledgeable health and safety experts can find it difficult to identify whether a product is compliant and meets the required performance standards.

In order to help end users determine whether or not their products are the real deal, the BSIF has compiled a checklist that enables specifiers and users of PPE to identify potentially non-compliant products.

The questions on the checklist vary from whether or not a ‘CE’ mark, which must be placed on products sold throughout the European market, is present on the product, and whether or not

the mark is in the correct font and at least five millimetres high. It also asks whether written instructions for use were provided with the product and, if so, whether the instructions are printed in clear and legible text. The name and address of the manufacturer should also be detailed on the user instructions.

Answering no to any of these questions could mean that the user has procured a fake product, increasing the likelihood that the purchased product is substandard and more likely to fail to protect its user.

In a global environment where no uniformly-accepted international safety and health standards currently exist, it can be extremely difficult for employers to ensure that they create workplaces that are safe for their workers.

Whether it is designed for the neck protection or body protection, PPE can be very broad in its application and usages. As the range of available equipment continues to diversify and expand, opportunities for counterfeiters are increasing.

Many firms are also finding the challenge of educating users on the importance of using original and certified equipment

*TOP OF PAGE 17: Counterfeit PPE products can often be difficult to identify as fakes. (Phillip Lange/Shutterstock.com)*





**“A lot of the examples we have seen are badly made and fail to offer any real protection.”**

**Lee Wright,**  
marketing director for Slingsby

is becoming harder due to an influx of fakes, primarily from nations with few or poorly regulated safety standards. In the UK, one firm was forced to issue a warning about safety helmets two years ago following an influx of poor quality equipment from Asia.

Personal protective equipment provider JSP issued a warning that advised customers to be wary of counterfeit safety helmets, some of which testers were able to break simply by using their bare hands.

JSP said that the equipment resembled the company’s MkII safety helmets, noting that the counterfeits could be identified from the genuine product by establishing whether the symbols “Burley” and “MkII” were located under the hat’s brim.

“If the helmet is fake, these logos should be visible in this location,” the company said. “The instruction manual is an original

copy. Documents accompanying the counterfeit products are usually either non-existent, a photocopy, poorly spelled, or lacking contact details for the manufacturer.”

PPE supplier Slingsby says that the issue of counterfeit equipment continues to be a growing problem, noting that retailers and distributors should be held accountable.

Slingsby has offered its backing to a proposed European directive that would make those who sell PPE take responsibility to ensure that the products they sell meet the required safety standards.

Lee Wright, marketing director for Slingsby, remarks, “Over the last couple of years, it’s been well-publicised that cheap, substandard, and even counterfeit PPE is finding its way into the UK.

“A lot of the examples we have seen are badly made and fail to offer any real protection, as well as being non-compliant with

safety standards. Some products even come with falsified certifications. The fact that to the untrained eye, many of these products still look the part, often makes it difficult to spot they are fake.

“At the moment, manufacturers are solely responsible for checking products comply with performance standards, but a new European PPE directive, which is currently being circulated in draft form, would close a loophole that enables companies to sell substandard products without being accountable for their quality. Under the proposals, companies selling these products would have to keep records about their stock and ensure products meet required standards. This has to be welcome news for the industry.”

The UK’s Trades Union Congress (TUC), also noted the rise of substandard PPE is partly

down to kit being imported that has been made for use outside Europe where standards are often lower, and partly down to counterfeiting.

In a July 2012 report on the subject, the TUC said, “Counterfeit PPE is on the increase, with well-established product brands or designs being the primary target. In some sectors over half the products tested were counterfeit.”

The union added that just because a product has the letters ‘CE’ stamped on it, it did not mean that it conforms with European standards, noting that while it stands for *Conformité Européene*, it could also stand for China Export.

In the Middle East, especially in major transportation and logistical hubs such as Dubai and Abu Dhabi, shipments of counterfeit PPE equipment can often make their way to sellers and eventually end users through undocumented sales channels.

A willingness to save money by purchasing substandard equipment can often be tempting to those looking to keep down costs, but the lack of clarity in a product’s usage due to missing or unintelligible supplied instructions can leave the end user uninformed as to how to use the product effectively and, most importantly, safely. ♦

# Safety at hand

After more than 20 years, EN 388 – the European Standard governing gloves that provide protection against mechanical risks – is finally being updated. Guido Van Duren, president of the European Safety Federation, speaks to *Health, Safety & Security Review Middle East* about how changes to the Standard will improve safety in a variety of industries and offer greater clarity to customers.

**“Normally Standards drive innovation, but here it has been the other way around, as innovations within the industry are driving the Standard.”**

European Safety Federation president  
Guido Van Duren

**G**uido Van Duren, president of the European Safety Federation, and director - global regulatory compliance for PPE products at glove manufacturing giant Ansell, is leading the charge to change the EN 388 Standard as head of the working committee, overseeing the introduction of updated testing methodology and additional clauses to the Standard.

The revised Standard will apply to all protective gloves available throughout the European market, except for single use gloves, enabling customers to make more informed decisions based on up-to-date and relevant testing data.

At more than 20 years old, the current Standard has required an update for some time as innovations in glove manufacturing continue apace.

“The first Standard appeared in 1994. We made some editorial changes in 2003, but only editorial changes to make things a little clearer,” says Van Duren, who is a leading expert within the global glove manufacturing industry. “We have a situation where the market has changed due to a lot of new innovations in glove manufacturing. Normally Standards drive innovation, but here it has been the other way around, as innovations within the industry are driving the Standard.”

The current Standard and testing methodology, says Van Duren, has become inapplicable.

The EN 388 Standard is broken down into four levels of testing – abrasion resistance, blade cut resistance, tear resistance and puncture resistance – each of which are graded from zero to four, where four is the highest attainable level, except for blade cut resistance which is graded from zero to five.

Of the Standard’s current four levels, abrasion resistance and blade cut resistance will be changed. As Van Duren explains, “The abrasive paper used in the test and defined in the Standard is no longer available, as the supplier of that material stopped supplying or producing it.”

The test involves abrading the glove sample with the abrasive paper and examining how many times the paper needs to wear through the glove.

“With that abrasive paper no longer available, certification and notified bodies have started to use alternative papers, which they think are the most suitable as defined by the Standard,” he notes. “All of those papers are very inconsistent in quality, meaning we have entered a situation where one notified body is using paper A and another notified body is using paper B, providing different results. This is unreliable and is causing trouble and confusion within the market, and of course leading to accidents.”

The major change to the Standard guidelines, says Van Duren, will be made to the blade cut resistance testing, with an additional test being added to the level. According to the methodology of the current Standard, a circle of blades travels over the sample back and forth, measuring the amount of cycles required to cut through the test specimen.

Initially designed for low-resistant textile materials, Van Duren says the test is no longer applicable to the more technical fibres now available in the market, such as glove samples containing stainless steel or glass fibres.

“The reason it does not work is that these fibres dull the blade,” he explains. “After a while it starts to run over your sample, but it doesn’t really cut anymore, so you get all kinds of false results. What happened was that some gloves could not be cut, so some notified bodies started using old interpretations to attribute the higher levels.”

“Sometimes we see some gloves on the market that claim levels four or five that are not based on the testing methodology, because it didn’t work, but based on expertise advised by the notified body.”

While alternative tests are available, Van Duren says these do not correlate at all with the current blade cut resistance test machine, leading to confusion in the market.

*TOP OF PAGE 19: Like many sectors of the PPE industry, glove manufacturing has embraced innovation in recent years. (Photo: Olinchuk)*

*PAGE 20: The revised EN 388 Standard will feature two additional levels focusing on blade cut resistance and impact protection. (Photo: SasinT)*



“Also, to a certain extent, we see level five gloves that do not protect very well against cuts, thereby causing accidents,” he notes. “And that’s really the biggest problem we have faced.”

The revised EN 388 Standard will maintain the current blade cut test for gloves that do not show the dulling effect, but for those that do will instead switch over to an additional test method based on the existing ISO 13997 testing methodology.

“It’s a different concept, because instead of a circular blade where you measure the amount of cycles to cut through, with the ISO cut you have a razor blade and you cut over the sample and measure the load required to cut over the test specimen, measuring the amount of Newtons required to cut through the test specimen,” Van Duren explains. This test will be rated from levels A to F, rather than zero to five, because the current blade cut and the ISO cut do not correlate with each other, with the ISO cut now marked as an additional fifth level to the revised Standard.

### Introducing level six

The additional fifth level will be joined by an optional sixth level referring to impact protection.

As Van Buren explains, some gloves today feature little bumpers on the back of the hand, especially on those designed for use within the oil and gas industry.

“Everyone appears to claim that those gloves with protective bumpers have “the best impact protection gloves in the market”, but there is no Standard available to substantiate it.

“With more and more of these types of gloves available, we decided we needed to have a test to substantiate the claim and have introduced a new testing methodology, based on EN 13594, which is a Standard for motorcycle gloves.”

The test for the new optional sixth level involves a load of two and a half kilogrammes falling on the bumpers on the glove material so the impact energy can be measured as part of a pass or fail test.

“If you pass you can apply a letter B as your sixth level,” Van Buren states. “If you don’t pass you put nothing and you remain with your five levels, and you cannot claim impact protection providing additional safety for the end user.”

### A long time in the making

The working group, which convenes under the umbrella of the European Committee for Standardization (CEN), started the exercise of revising the current Standard more than seven years ago. Over that

# LATEST CREATIONS



## COME AND SEE...

- ✓ NEW EV05® Olympus®  
Global Standard ABS helmet
- ✓ NEW Press To Check™  
Filters with built-in fit testing
- ✓ NEW Hardcap® AeroLite™  
The world's lightest bump cap
- ✓ NEW Height Safety Range  
Fully redeveloped range

**intersec**

17 - 19 January 2016  
UK Pavilion, Stand 7B23



UAE Tel: +971 (0) 24192732  
export@jsp.co.uk www.jsp.ae



period, as protective glove designs have evolved, the group leading the charge to update the Standard has had to compromise and stay abreast of the industry.

“We have faced resistance on certain things we’re trying to change, but we’re always trying to look for a compromise,” says Van Duren. “With the abrasion test there has been little resistance, because we knew there had to be new paper. We tested several abrasive papers versus several glove materials and found that the paper we defined in the new Standard correlates best with the old paper.”

Van Duren says that the group found that in 95 per cent of the gloves tested, the same levels were obtained as with the previous paper used, leading to some resistance from the five per cent that received a different result. He puts that resistance down to the fact that the result was usually a lower result than before.

### Educating the customer

While much of the industry has remained in the dark over the majority of changes to the EN 388 Standard, two parts of the test – tear resistance and puncture resistance – will remain unchanged. Both tests Van Buren describes as simple tests that currently require no amendments.

The priority, he says, will remain on getting the new guidelines adopted by all CEN member states and published as soon as possible. Following that there will be a period of market education, led by Van Buren and his colleagues on the working group committee.

“People are, so far, not aware of it because the Standard is not yet official,” he notes. “It’s still going through the formal voting period, where all member states need to express their formal vote, but we expect this to happen early this year.

“The fact that I’ve been leading this committee means I know that we’ve reached a final draft and it will not change anymore. It’s a formal voting period and it’s an administrative thing where we need to translate the Standard into different languages, but we have the industry’s support,” he adds.

While many within the industry remain unaware about what the changes will entail, Van Buren is confident that much of the confusion that arises from the current Standard will be ironed out.

“The customer will need education to understand the six levels.

We’re establishing a two-year programme where we are preparing guides and promotional material explaining what is new in EN 388. We’ve also been filming all of the new testing methods at one of the notifying body’s labs in Belgium, demonstrating how the tests work.

“The improvements will lead to more safety to the user, because with these improvements we are going to be able to give more reliable data under more consistent tests.”

### Leading the way

Not a company to miss a trick, leading glove manufacturer Ansell, for whom Van Buren is director of global regulatory compliance for PPE products, has already invested heavily in the new EN 388 testing equipment, as the company aims to practice what it preaches.

“At Ansell, we know what’s going to change within the Standard. We have already submitted our protective gloves to a notified body and I’ve asked them to test according to the revised Standard. By the time the Standard is officially published we will just need to push a button and we can start applying the new figures to our gloves.”

Ansell has already made major investments towards meeting the criteria of the new testing methodology, equipping its manufacturing plants and laboratories with the relevant equipment.

“The levels we’re going to claim in the market, we are going to guarantee,” he asserts.

### Next steps

After seven long, hard years of discussions, experiments, revisions and lobbying, Van Buren shows no sign of slowing down as he looks to take the Standard’s influence far beyond the EU borders in which it will be enacted.

“One of the things I’m going to push and lobby for is to make the EN 388 a joint ISO/EN Standard,” he reveals.

“It’s going to take a while – probably another five or so years – and while not everyone outside of the EU is a member of CEN, everybody is a member of ISO.

“I’m lobbying with some other major companies who are supportive towards this aim, meaning it will be even easier for regions outside of Europe, such as the Middle East, to accept the revised Standard.” ❖

## OFFSHORE • OIL & GAS • ONSHORE

### Hazardous Material Stores

- 1 **FIREVAULT** SYSTEMS NEW DNV 2.7-2 CERTIFIED MODULE ENSURES CONFORMANCE & COMPLIANCE WITH THE HIGHEST SAFETY STANDARDS AND PROTECTS COMPANY ASSETS
- 2 OUR **FIREVAULT** UNITS ARE TESTED AND CERTIFIED BY DNV GL, THE LEADING CERTIFYING BODY TO THE OIL & GAS INDUSTRY



The World's first  
DNV2.7-2 Hazardous  
Materials Safety Store



- 1 Flammables Oils or Chemical Storage
- 2 Manageable & centralised hazardous area
- 3 Temperature & Humidity Control
- 4 IMO FTP A60 class fire rated panels
- 5 100% Compliant with H&S & Environmental regulations
- 6 Suitable for use in Zone 1 & 2 flammable atmospheres

## CONTACT FIREVAULT

**Firevault Systems UK**  
329 Putney Bridge Road  
London SW15 2PG  
United Kingdom

**Tel:** +44 208 704 1807  
**Email:** [sales@firevaultsystems.com](mailto:sales@firevaultsystems.com)

**Firevault Systems Ireland**  
Clondrinagh Industrial Estate  
Ennis Rd, Limerick Ireland

**Tel:** +353 61 327792  
**Email:** [sales@firevaultsystems.com](mailto:sales@firevaultsystems.com)

# Working safely in confined spaces

Stephen Morris, training sales manager with Capital Safety Training UK, looks at the safety of workers in confined spaces.

**“In many situations, a non-entry rescue is the safest solution for all parties, and the only time an entry rescue should be attempted is when the use of a non-entry technique is likely to place the injured or trapped worker in greater danger.”**

Stephen Morris, training sales for Capital Safety Training UK

ABOVE: Confined spaces can take many forms such as silos, storage tanks, reaction vessels, sewers and enclosed drains. (Photo: Yongyut Rukkachatsuwa)

PAGE 24: Working in confined spaces poses risk, but risk can be managed if the correct strategies are in place.

The publication in 2015 of a revised Approved Code of Practice (ACOP) for the UK's Confined Spaces Regulations 1997 offers the ideal opportunity to review policies, procedures and competences for situations where employees are required to work in a confined space, particularly as there can be some debate or confusion over what specifically defines a confined space. Part of that review should also consider the implications of the access and work activities to be undertaken within the confined space. This could include the method of access and provisions for working at height and should always ensure compliance with other relevant statutory requirements.

The Health & Safety Executive (HSE) defines a confined space as an area that is substantially, although not always entirely, enclosed and where serious injuries can occur from hazardous substances or conditions such as lack of oxygen within the space. Confined spaces can include silos, storage tanks, reaction vessels, sewers and enclosed drains, open topped chambers, vats and ductwork. The specified risks associated with working in such spaces are defined as:

- The serious injury to any person at work arising from a fire or explosion;
- The loss of consciousness arising from an increase in body temperature;
- The loss of consciousness or asphyxiation arising from gas, fume, vapor or the lack of oxygen;
- The drowning of any person at work arising from an increase in the level of liquid;
- The asphyxiation of any person at work arising from a free flowing solid; or
- The inability to reach a respirable environment due to entrapment by a free-flowing solid.

These risks may be inherent because of the nature or purpose of the enclosed space, or they could be introduced by the activity being undertaken within the space. For example, a vessel which has been used to contain solvent would probably have an existing significant risk from explosion, fire or low oxygen levels. On the other hand, a drained and isolated water tank may have little in the way of an identifiable specified risk in itself, but if the work to be carried out involves a function such as

welding, a significant risk of explosive gases, oxygen depletion, toxic fumes or increase in body temperature is being introduced.

To assist in the identification of confined spaces, the new ACOP includes a flow chart designed to steer the user towards the right conclusion and, hopefully, avoid any confusion or misinterpretation. Other additions include a new section on actions for workspaces with a reduced oxygen concentration and an alignment with the Control of Substances Hazardous to Health Regulations 2002 for a requirement for fit testing of respiratory protective equipment.

## Assessing the risk

Under the Management of Health and Safety at Work Regulations 1999, a suitable and sufficient assessment must be carried out for all work activities to determine what measures are necessary for safety. In relation to work in confined spaces, this involves identifying the hazards present, assessing the risks and deciding on the appropriate control measures. Generally, the assessment will mean looking at the task, the working environment, working materials and tools, the suitability



Don't miss AgilityGrid at Intersec Tradeshow on  
17-19 January at Dubai World Trade Center.

The world class provider of video surveillance solutions will  
demonstrate 1200 HD Cameras streaming to a single controller.

**intersec**

**Find us on stand SA-H12 (Saeed Arena) on January 17-19 at Intersec 2016**  
**Looking forward to seeing you there!**



of those carrying out the task and arrangements for emergency rescue. Where the assessment identifies risks of serious injury, the Confined Spaces Regulations 1997 apply, and these contain the following key duties:

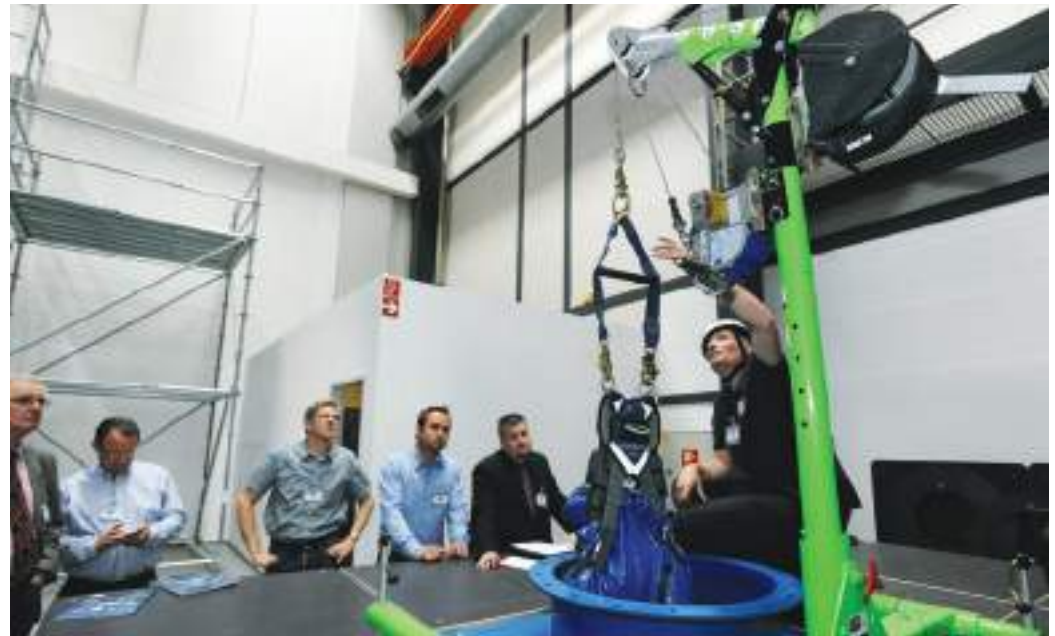
- Where possible, avoid the need to enter a confined space by carrying out the work from the outside;
- If working within the confined space is unavoidable, follow a safe system of work; and
- Ensure that adequate emergency arrangements are in place before the work starts.

In the course of assessing the risks it is quite likely that the requirements of other health and safety regulations, such as the 'Provision of Personal Protective Equipment (PPE) Regulations' may need to be addressed.

## Working at height

Under the Working at Height Regulations 2005, someone can be considered to be working at height in any place, including at or below ground level, where there is a risk of a person falling a distance likely to cause an injury the measures required by these Regulations must be in place.

When assessing the risk of a fall from an access point, it is not only the person carrying out the work that needs to be taken into consideration – it is anyone who might be in the area of that access point. In cases where workers are accessing drains or service tunnels via a manhole, this could include



members of the public. In terms of risk control, the best way to protect a person from a fall is to remove or exclude them from the risk area. So, any person not needing to be exposed to the fall risk should be excluded by use of physical barriers and signage. For anyone who needs to be in the vicinity of the risk area, the options to prevent a fall using fall prevention equipment must be taken into consideration. This usually means the use of harness and work restraint systems attached to suitable anchor points. The final option is fall arrest equipment using a suitable fall arrest lanyard or self-reeling lifeline (SRL).

Falls while entering or exiting confined spaces are common, often resulting from the use of poorly maintained climbing structures, poor lighting or space restrictions. For workers who have to access the area at height, usually the only option that provides protection from injury in the case of a fall is fall-arrest equipment. Personal fall arrest systems incorporate three components, often described as the ABCs of fall protection, which are an anchorage/anchorage connector, body support and connecting device. In some situations, it may be necessary to

use suspended access techniques to lower the worker into the confined space using a davit and winch. In this case, the back-up of an SRL fall arrest system is also necessary, and it is common practice to use a retrievable type of SRL to offer the capability of rescue in the event the worker gets into difficulty whilst in the confined space.

## In case of emergency

As previously stated, plans for working in a confined space should always include provision for rescue should an accident occur and the worker involved is unable to exit the area unaided.

Circumstances will always differ, and methods of rescue need to take into account the specific hazards to both victim and rescuers involved. However, in many situations, a non-entry rescue is the safest solution for all parties, and the only time an entry rescue should be attempted is when the use of a non-entry technique is likely to place the injured or trapped worker in greater danger. In general, it is safe to say that rescues from confined spaces – particularly those with difficult or at-height access – are too complicated and dangerous for untrained or non-experts to

attempt. Emergency services and industrial entry specialists are highly trained in rescue strategies and the use of specialised equipment that may be critical to the survival of a trapped or injured worker. In any situation which leads to the need for rescue, obviously speed of reaction is of the essence, which underlines the importance of having a ready-prepared, comprehensive plan in place. A sensible precaution is to have designated competent people who can quickly perform their assigned rescue duties if an emergency occurs, and it is the employer's responsibility to ensure that these individuals are suitably trained and equipped.

Working in confined spaces, particularly when combined with the need to access or work within them at height, poses risk, but risk can be managed if the correct strategies are in place. By taking the time to review the appropriate legislation and the guidance offered by the HSE, employers can ensure they are, to the best of their ability, providing a safe working environment where the risk of death or serious injury is limited. ♦

For further information visit [www.capitalsafety.com](http://www.capitalsafety.com)





Presents

# REVOLTA SERIES of Harnesses

Repel Technology Persistent Performance

KARAM introduces Revolta range of Harnesses specially designed for worker engaged in Petro chemical and Oil industry.

The specialized Webbing of the Revolta range is constructed from unique polyester webbing incorporating Repel Technology - a specialized coating which repels oil, dirt and water hence prevents their absorption on the webbing.



## Revolta Positioning Harness Ref. PN 44 (OR)

**Attachment Elements-** One chest attachment D-ring and a Dorsal attachment D-ring for Fall Arrest. Two lateral attachment D-rings for work positioning.

**Adaptability-** Adjustable shoulder and thigh-straps.

**Soft Padded Work positioning belt** gives extreme working comfort and safety.

Conforms to EN 361:2002 & EN 358:1999.

### Significant Features:

Highly UV resistant

Easy to care for, wipes clean in seconds.

Increased durability and longevity.

Ideal for use in variety of applications including

Petrochemical

Food Processing

Painting

Off Shores

Water Treatment

General Industry

## KARAM SAFETY DMCC

Unit No. 2108, 1- Lake Plaza, Jumeirah Lakes Towers, P. O. Box : 27307, Dubai, UAE.  
Tel.: +971 44315221, Fax.: +971 44315727, e-mail: dubai@karam.in, website : www.karam.in

Visit us at -  
Intersec WTC Dubai, U.A.E.  
17<sup>th</sup>-19<sup>th</sup> Jan. 2016  
Hall No. 7, Stand No. E-22



# Showcase for safety

The Middle East's leading security, safety and fire protection trade exhibition is set to return to Dubai in January for its 18th edition, promising a host of new and returning features, as well as a packed conference programme.

**“Safety and security continues to be top priority issues across the globe, with governments and companies pulling out all stops to protect critical infrastructure, and create safe and secure environments.”**

**Ahmed Pauwels,  
CEO of Messe Frankfurt**

*ABOVE: Intersec will return to Dubai International Convention and Exhibition Centre on 17-19 January 2016. (Photo: Messe Frankfurt)*

Intersec 2016, which will take place at Dubai International Convention and Exhibition Centre on 17-19 January, will bring together businesses, organisations and experts from across the region's security, safety and fire protection industries.

Ahmed Pauwels, CEO of event organiser Messe Frankfurt Middle East, said, “Safety and security continues to be top priority issues across the globe, with governments and companies pulling out all stops to protect critical infrastructure, and create safe and secure environments in an increasingly challenging global scenario.

“Intersec's continued evolution and growth into new areas is in response to the clear direction in which the regional and international safety, security and fire protection industries are headed. We're looking forward to once again being the focal point of the latest technologies and

innovations that will secure a safer future for all.”

The five core sectors at the event – Commercial Security, Information Security, Fire and Rescue, Safety and Health and Homeland Security and Policing, will be added to this year. A Smart Home and Building Automation section, featuring the Smart Home Live Demonstration area, which will see the likes of Honeywell and WolfGuard demonstrate their latest home security, auto controlling, energy management and multimedia technology solutions.

Xin Chen, general manager of Dahua Technology Middle East, who will be actively participating in the Smart Home and Building Automation section, said, “Our traffic solutions include radar devices, speed and red light enforcement, while our mobile solutions focus on public transportation, police vehicles, and school buses.

“We will also demonstrate how our smart buildings systems can integrate CCTV, access control, video intercoms and alarms into one platform.

“Presently, the Middle East is the biggest potential market for CCTV, and there are large demands from Africa as well,” added Chen. “As a professional security products manufacturer, we need to let people understand their life can be perfectly protected by demonstrating professional security knowledge in a simple and easy solution.”

Marwan Khoury, marketing manager for network video surveillance provider Axis Communications in the Middle East and Africa, remarked, “The world is truly becoming global and we're increasingly focusing on emerging markets – such as the Middle East and Africa – which represent about 27 per cent of our revenue now, and are growing every year.



Taking Descent to New Heights.



SUPERIOR HANDS FREE BAILOUT AND RESCUE – DEUS 3100 CONTROLLED DESCENT DEVICE FOR FIREFIGHTER BAILOUT & RESCUE.



DEUS X CLASS INNOVATIVE RESCUE HARNESSSES – A WHOLE NEW CLASS OF RESCUE HARNESS TECHNOLOGY



The industries catered to –  
 The Oil and Gas Industry  
 Fire-fighter Bailout & rescue  
 Fast Responses  
 Tower Escape & rescue  
 Industrial Fall Protection  
 Bucket Truck Applications  
 Lifting and Hauling Automatic  
 Safety Belay  
 The Recreation Industry.



**ALL PRODUCTS ARE TESTED AND CERTIFIED TO NFPA , ANSI , EN AND CSA**

For a free Catalogue Please contact our sales partner at

ahmed@almajdaltrading.com  
 AL MAJDAL TRADING CO (L.L.C)

www.almajdaltrading.com  
 (+971) 4 3532513



“In the Middle East and Africa, the total network video surveillance market was worth about US\$420mn in 2014, and there’s going to be a very healthy increase until 2019.”

Elsewhere on the show floor will be a Jobs and Careers Pavilion that will highlight career opportunities for safety and security professionals, while a Drones and Unmanned Aerial Surveillance Pavilion is also among the show’s new additions.

**“Intersec gives us the opportunity to meet with key decision makers from the Middle East market to discuss their needs.”**

**Code 3 general manager Greg Scott**

**International profile**

More than 80 per cent of the event’s exhibitors this year will be based outside of the UAE, highlighting Intersec’s international reach.

Of the 72 German exhibitors, 58 will be exhibiting on the German government-backed German Pavilion, including CCTV providers Bosch Security Systems and Grundig and fire extinguisher manufacturers Doeka and Viking.

The 31 USA Pavilion exhibitors and 42 stand-alone exhibitors will include a host of fire and rescue solution providers and emergency vehicle lights and sirens manufacturers.

Greg Scott, general manager of US-based Code 3, stated, “Intersec gives us the opportunity to meet with key decision makers from the Middle East market to discuss their needs, whether current or future. Additionally, our participation gives us one-on-one time to showcase our latest products and

discuss their application to fit each agency’s needs.”

Alongside the US and German Pavilions, there will be 12 more country pavilions including Canada, China, Italy, South Korea, the UK and, for the first time at Intersec, France, the Czech Republic and India.

**Education and discussions**

Alongside the exhibition, Intersec 2016 will also feature four separate conferences and workshops, which will aim to offer participants strategic insights into new developments, innovations and changing trends within the occupational health, fire safety, cyber and infrastructure security markets.

Held on the first day of the event, the Safety Design in Buildings Workshop will provide a GCC-wide debating platform for safety professionals, focusing on best practice within the construction industry.

The Occupational Health and Safety Conference, held over the

first two days of the show will focus on HSE management across all levels of business, while the Middle East Fire Conference, held on days two and three, will bring together fire safety professionals to discuss fire detection issue, suppression and mitigation, and human behaviour in fire situations.

The Intersec Critical Infrastructure Security, Protection and Resilience Conference, also held on the final two days of the show, will look at the changing nature of natural and man-made threats, covering topics such as terrorism, cyber-attacks and climate change, and the potential challenges they each pose to economies throughout the Middle East.

According to organisers Messe Frankfurt Middle East, more than 200 safety and security experts from across a range of industries have signed up to attend the event’s various conferences, representing leading businesses and industry organisations. ❖

## “Growth potential” for biometric security solutions on show at Intersec

### BIOMETRIC SECURITY

The biometric security solutions industry will be promoting itself to the Middle East market at this year’s edition of Intersec.

Economic development and increasing security concerns throughout the region have led to a sharp increase in the demand for biometric security products and access control solutions.

Governments and a growing number of industry sectors have been embracing new biometrics technologies, including system technologies that focus on voice, retina, facial, vein and gait recognition, as well as fingerprint matching and DNA identification.

Among the company’s set to showcase their solutions at Intersec 2016 will be Suprema who will demonstrate BioStation A2, a leading-edge fingerprint access control and time and attendance system.

Young S. Moon, executive vice-president of South Korean company Suprema, said regional governments and corporations have been adopting new identification and authentication technologies to boost defences against potential fraud, cyber-threats and organised crime.

“We consider the Middle East as a key market with untapped growth potential,” remarked Moon. “The market has vigorous economic growth, high acceptance towards biometric solutions and a demand for high-end technology.”

AllGoVision, an advanced video analytics solution provider, will showcase its 3D Facial Recognition System, which uses facial recognition technology via IP video surveillance to compare facial features with a database of stored facial features to identify potential threats or a VIP customer.

Ashwin Amarapur, director of AllGoVision, commented, “In city surveillance, the 3D Facial Recognition System is used to identify Black Listed people or known criminals, but in the case of hospitality or banking the use relates more to ‘White Lists’ – for example, visitors identified as a VIP guests or high net worth individuals. Bank or hotel service staff would be alerted of their arrival in advance and can take necessary care of the valued customer or display an automated welcome note in the electronic board at the entrance.”

Other leading biometric security solutions providers set to be in attendance at Intersec 2016 will include Matrix Comsec, an access control and surveillance solution provider, Dubai-based Business Automation & Security System (BASS), US-headquartered Iris ID, Swiss firm Touchless Biometric Systems and WatchNet Access from Canada.

# Oil Review

## Middle East

Covering Oil, Gas and Hydrocarbon Processing

### The region’s leading oil and gas publication

Oil Review Middle East, has been putting sellers in touch with buyers for almost two decades. The magazine makes sure that it strikes a balance between respected editorial and your advertising message, to maximise the return on investment for your business.

#### Oilreview.me

Website-Monthly Statistics  
1,022,151 Page Impressions  
54,293 Unique Visitors

#### E-newsletters

Circulation: 21,970  
The Oil Review Middle East fortnightly e-newsletters can deliver your marketing message directly to decision makers.



Visit us at [www.oilreview.me](http://www.oilreview.me)



MENA	Tel: +971 4 448 9260	e-mail: <a href="mailto:post@alaincharles.com">post@alaincharles.com</a> web: <a href="http://www.alaincharles.com">www.alaincharles.com</a> <a href="http://www.oilreview.me">www.oilreview.me</a>
ASIA	Tel: +91 80 6533 3362	
USA	Tel: +1 203 226 2882	
EUROPE	Tel: +44 20 7834 7676	



# Moving “Safety” into the Boardroom

27 - 28 March 2016, Dubai, UAE



## Workshop facilitator: Roy Bedson

MBE | PGDip | CMIOSH | MIRM | MASSE  
MIIRSM | RSP | CPEA



## Challenging the norms of the “safety” function

- Create an alternative ‘corporate’ approach to health and safety risk management
- Understand the concepts and principles of integrated risk management strategies
- Appreciate the changing scenes within the boardroom regarding traditional health and safety risk

## Who should attend?

**Senior Directors**  
**Corporate Risk Managers**  
**Health and Safety Practitioners**  
**Human Resource Managers**

## Which industries?

**Construction**  
**Oil and Gas**  
**Manufacturing**  
**Hospitality**

From the organisers of



Official media partners



Three easy ways to register:

Online: [www.hse-forum.com](http://www.hse-forum.com)

Email: [enquiry@oilreview.me](mailto:enquiry@oilreview.me)

Call: +971 4 4489260

## Avoiding injuries by checking the authenticity

### PERSONAL PROTECTIVE EQUIPMENT

The use of fake personal protective equipment (PPE) can lead to devastating consequences, including injury or even death, if one is using a substandard helmet.

Safety gear manufacturer JSP's helmet with unique shield shape, and its badge of identity, therefore becomes ever more important owing to the increasing penetration of cheap, illegal, counterfeit helmets that fail to meet the requirements of British and European Standard EN 397.

The carefully crafted shield shape has evolved over the last 40 years for the purpose of distinguishing the helmet from others in the marketplace and can be trusted by procurers, site managers and users to give outstanding head protection with its exceptional quality and durability, Intersec exhibitor JSP confirms.

Best-selling models in JSP's core range of EVO helmets include EVOLite, which the firm says is the strongest yet lightest industrial safety helmet, and Mk8 Evolution, which it claims is the world's strongest safety helmet.

JSP's Gavin Shaw says, "The JSP shield badge of origin is universally recognised as a trusted trade mark of JSP. The distinctive front shape of the JSP core range of helmets is the identity that has become strongly recognised with the quality and reliability of our products."



Gavin adds: "JSP urges wearers of industrial head protection to look for JSP's distinctive shield shape badge of origin. That way they know they will be protected at work, and avoid vulnerability to serious injury should the worst happen."

Because each JSP helmet is unique, wearers can also use JSP's online tracing and verification system at [www.jspcheck.com](http://www.jspcheck.com) to validate the DNA of their helmets in a matter of seconds by using each helmet's individual barcode, which allows it to be tracked throughout its life.

## Hazard Management Services urges effort to mitigate risk of asbestos

### MANAGING HAZARDS

Asbestos was used as building material for most of the 20th century and is favoured among engineers for its insulation properties. Pipes, boilers and heaters – all used asbestos in different forms to keep heat within.

Mechanical insulation found in boilers, vessels, tanks and pipes often have a high asbestos content. Asbestos is also a fire-resistant material and helps prevent damage inside a building's steel frames, doors, staircases and risers.

However, the increasing use of asbestos leads to lung disease and cancer. With increasing asbestosis cases across the world, this is where Hazard Management Services (HMS) manages to keep the hazardous material at bay, ensuring a workplace is safe to operate in.

HMS uses five descriptive processes that include presumptive surveys; risk assessment, identification and quantification of hazardous materials such as asbestos, lead, polychlorinated biphenyls and TBTs; register

preparation; abatement programmes; and disposal (only for clients in India). With increased industrialisation, it is necessary that asbestos is done away with and instead replaced with more worker-friendly products.

India, where HMS is headquartered, has banned asbestos mining domestically but is the largest importer of the product from Russia. India currently consumes 15 per cent of the total world asbestos production as per US Geological Survey estimates. WHO has reported that white asbestos causes cancer and fifty countries have already banned the use and import of the building material.

HMS outlines that its main aim is hazard mitigation through strategic handling, management and disposal. Approved as Lloyd's Register Service Supplier and Bureau Veritas-approved ISO 9001 & OHSAS 18001, HMS has an experience of more than a decade for managing hazardous materials in industrial as well as marine sectors.

[www.hmsglobal.co.in](http://www.hmsglobal.co.in)



HMS outlines that its main aim is hazard mitigation through strategic handling, management and disposal. (Photo: Asbestos Testing/Flickr)

# Q&A



**“The CCTV market is gaining huge popularity due to safety and security concerns.”**

**M**aker of the world’s first 1000-camera surveillance appliance, AgilityGrid will be exhibiting at Intersec 2016 to showcase patented technologies in the arena of CCTV solutions. CEO Costa Boukouvalas (pictured) spoke to Health, Safety & Security Review Middle East (HSSR) about the future plans of the company in the region.

**HSSR: As the maker of the world’s first 1000-camera surveillance appliance, what projects are working on in the Middle East at the moment?**

**Costa Boukouvalas:** We service a number of clients across the GCC ranging from medium-sized businesses to enterprise organisations. Their surveillance needs range from 100 to up to 10,000 camera systems for uses such as central bank headquarters, museums, university campuses, government premises and more.

**HSSR: How would you describe the security solutions market in the UAE?**

**CB:** The UAE market continues to grow with a lot of new developments having kicked off in the last couple of years in the lead up to Expo 2020 Dubai. Similarly, Qatar has many new projects coming online as it continues to prepare for the 2022 FIFA World Cup. A lot of existing businesses are

also looking to install new or upgrade existing systems to ensure they fulfil their regulatory requirements in the region.

**HSSR: What should customers look for in a good CCTV security solution?**

**CB:** It is very important to ensure the solution chosen will achieve consistent performance over time. Generally, CCTV system performance can degrade over time due to data file fragmentation issues. It is common to find that video footage becomes choppy and some may be lost due to these issues. Our Rasilient CCTV storage solution 6 has patented technologies on board to avoid this from happening.

**HSSR: How else can end-users be assured that the system is performing well?**

**CB:** Rasilient’s built-in reporting will allow them to set up baseline performance metrics. These can be used as KPI’s that users can continue to measure against over time. Currently, Rasilient is the only product on the market that offers this. It is important to note that security solutions tend to get put to the test only when there is an incident and footage needs to be retrieved and reviewed. This is when CCTV operators find out that if there is missing video, vital for evidentiary purposes.

Rasilient does not allow this to happen because they will ensure that no frames are lost via their on-board technologies. If for any reason a single frame is lost, then the operator will be alerted on the activity the instant it happens to ensure prompt response.

**HSSR: Are your software solutions tailor-made for devices like mobile phones as well?**

**CB:** Security operators can view footage on their mobile whenever necessary, which can be very useful for guard patrols. We also offer Viakoo, a relatively new and unique product which does end-to-end CCTV monitoring and auditing. This is very useful for large security companies who service multiple customers. They can now set up mobile phone alerts and notifications of how their systems are performing at multiple sites and locations around the world.

**HSSR: How easy to install are AgilityGrid’s products? How failsafe are they?**

**CB:** All our products work on an open-platform architecture, which allows you to easily integrate the most innovative hardware and software together from a multitude of different vendors.

This allows us to incorporate redundancy into our solutions to ensure consistent 24x7 operations, 365 days a year.

**“AgilityGrid is the only solutions provider with complete performance visibility — from camera, through VMS, to storage.”**

**Costa Boukouvalas,  
CEO of AgilityGrid**



**HSSR: What challenges or threats do you face from a cyber security perspective?**

CB: From a cyber-security standpoint, we still have a lot of customers that prefer to separate their IT and CCTV networks fearing easy intrusion. In conjunction with Fortinet, the world's premier firewall vendor, Rasilent has developed its own firewall that segregates the CCTV network from the IT network, while only allowing in pre-determined and encrypted remote connections, and is extremely useful for remote support and configuration.

**HSSR: Are there any new products from AgilityGrid that you would like to speak about?**

CB: We are constantly looking for new and innovative security solutions. We recently introduced three new Australian products to the Middle East that include:

- **Icetana:** an adaptive, real-time video wall analytics solution, which quickly identifies anybody behaving unusually in the video feed. This enables security operators to respond to incidents faster and avoids incidents being missed.
- **Snap surveillance:** a suspect tracking tool that synchronises all camera views in the entire network to follow someone as they move through the site. This can be very useful for city surveillance, public spaces, university campuses, malls or hotels.
- **SenSen networks:** a business intelligence tool built for smart cities that provides number plate and facial recognition, people counting, point-to-point speed detection, parking zone monitoring, traffic management and many more business analytics to transform CCTV into a valuable business asset.

**HSSR: What are you looking forward to at Intersec 2016?**

CB: We are looking forward to meeting our existing customers and colleagues from the industry along with introducing our innovative products to new customers. This year Heitel, who are the leaders in mobility CCTV where video is streamed wirelessly via WiFi, 3G and 4G from cars, buses, vans and security transport fleets, will be joining us on our stand. ♦

**Stand No: SA-H12 in Saeed Hall**

## NO Matter In Which Industry you work



Construction



Oil & Gas



petrochemicals



Military



Manpower & Services



Electrical



Transportation



Others

## with our Quality & Style Variety there are NO Problems



Comfortable Footwear  
For Tough Jobs

[www.slicshoes.com](http://www.slicshoes.com)

# ADIPEC stresses on safety while striving for cost-efficiency

Oil and gas experts discussed HSE practices at the annual event in Abu Dhabi in November 2015 amidst plans to boost UAE offshore production.

Photo: ADIPEC 2015

**“We are facing challenges, but the energy sector will always find its way around them through cost optimisation, developments in technology and industry collaboration, all of which ADIPEC enables.”**

**UAE Minister of Energy  
Suhail Al Mazrouei**

*ABOVE: Only 150 metres away from the main exhibition floor, the new Offshore, Marine and Heavy Equipment Zone covered 8,000 gross sqm of space, with a jetty that extended 500 metres long.*

**A**chieving the highest standards of health and safety is today the utmost priority of the oil and gas industry. Safety of employees not only brings in goodwill, but also better business to a company.

The 18th edition of Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC) in November 2015 dedicated a chapter to health and safety aspects of the industry that hosted the biggest and best names in the global oil and gas industry.

Hosting more than 2,000 exhibitors and a visitor count of 86,000 over a span of four days, the event generated a lot of interest even in these times of low oil prices.

National oil companies (NOCs) included ADNOC, BAPCO, Dolphin Energy, Kuwait Oil Company, Qatar Petroleum and Saudi Aramco, among others. International oil companies (IOCs) consisted of names such as BP, Shell, Chevron, ENI, Total, ExxonMobil, Statoil and Mubadala Petroleum.

Revolving around the theme ‘Innovation and Sustainability in a new energy world’, experts spoke about the global challenge facing the oil and gas industry to meet the increasing demand of a dynamic and fast changing world in a sustainable and responsible manner.

They said that “business as usual” will not be enough to meet these demands, adding that innovation in products, services and processes holds the key to achieving safe, reliable, cost-efficient energy solutions that also achieve economic, social and environmental sustainability targets. “Companies must not compromise critical industry assets in their endeavour to reduce costs,” said experts at the ADIPEC Offshore and Marine Conference 2015.

The experts at the event also emphasised that companies and contractors who choose to cut health, safety, and environment (HSE) funds risk suffering serious consequences and even greater cost implications.

Ibrahim Fahmy, marine advisor at Zakum Development Company (ZADCO) and chairman of the ADIPEC 2015 Offshore and Marine Conference, urged that companies maintain their important assets and not compromise health and safety procedures, as safety should always come first.

In addition, oil and gas stakeholders in the offshore and marine sector should have a strategy to managing their business and ensure that these assets are operated by professionals with the right expertise. Fahmy explained that retaining highly-qualified staff through continuous education and training programmes is essential for the progress of the industry, and for a company’s long-term development.

“Organisations should continue to develop social and educational programmes, which feed the industry with qualified people who form the backbone of the industry’s success,” commented Fahmy.

ADIPEC 2015 broke previous years' records by hosting more than 86,000 visitors in the span of four days. (Photo: Shell)



Some of the niche health and safety companies exhibiting at ADIPEC 2015 included Safety Services Group, AlMansoori, Pelican Products, ATG, Firevault and Reda Fire & Hazard Control.

**“Companies must not compromise critical industry assets in their endeavour to reduce costs.”**

Experts at ADIPEC 2015

Conference speakers at the inaugural ADIPEC Offshore and Marine Conference 2015 also included Omar Abu Omar, COO of Tasneef; Hamad Al Maghrabi, general manager – Marine Services at Abu Dhabi Ports

Company (ADPC); Saif Al Hebsi, senior VP of Abu Dhabi offshore services company ESNAAD; Steve Kelly, president of Occidental Petroleum Qatar; Jean-Baptiste Faget, assets general manager for Total EP UAE; Christopher Bush, VP – Offshore at TECHNIP; Joe Brincat, VP – Middle East region at the American Bureau of Shipping; and Nagi Alyami, Marine Manager at Qatar Petroleum.

Abu Dhabi also announced plans to increase its offshore production capacity so that it accounts for 50 per cent of oil output in the emirate by 2018. With US\$25bn worth of investments in offshore oil projects planned by ADNOC over the next five years, industry professionals are zeroing in on research and development.

“The offshore sector is playing an increasingly important role in meeting the world’s growing

demand for energy, accounting for about one third of global oil production. Realising the potential of offshore reserves, which are often expensive and complicated to tap into, requires continuous industry innovation,” remarked Christopher Hudson, president – global energy at dmg events.

ADIPEC 2015 saw more than US\$9bn worth of deals being signed, according to Chris Hudson, the head of energy events at dmg events, who spoke at the closing plenary.

“Based on our early survey results and compared with last year, the total amount of deals signed at this year’s event will be more than US\$9bn, and in our experience that doesn’t reflect the biggest deals,” Hudson said as ADIPEC 2015 closed.

Also speaking at the closing plenary, Suhail Al Mazrouei, the UAE Energy Minister, stated,

“The response we have garnered at ADIPEC is a sign of optimism in the oil and gas industry and testimony to the energy sector’s resilience. Yes, we are facing challenges, but the energy sector will always find its way around them through cost optimisation, innovation, developments in technology and industry collaboration, all of which ADIPEC enables.”

Held under the patronage of the President of the United Arab Emirates, HH Sheikh Khalifa Bin Zayed Al Nahyan, and organised by the global energy division of dmg events, ADIPEC is the global meeting point for oil and gas professionals. ADIPEC 2015 took place from 9-12 November at Abu Dhabi National Exhibition Centre (ADNEC) and was supported by the UAE Ministry of Energy, the Abu Dhabi National Oil Company (ADNOC) and the Abu Dhabi Chamber. ♦

**ERGO**  
ergonomic comfort

# BUILT FOR COMFORT



REGISTRATION: PATENTED/REGISTERED © 2010 Wolverine World Wide, an Equal Opportunity Employer. All Rights Reserved. CAT, CATERPILLAR, BUILT FOR COMFORT, ERGO, X-TRA, and the Caterpillar logo are trademarks of Caterpillar Inc. or its subsidiaries in the United States and other countries. All other trademarks are the property of their respective owners.



**Al Garawi Group**  
Al Garawi Galleria, Al Orouba-King Fahad Highway Junction Olaya  
P.O. Box 41122, Riyadh 11521, Saudi Arabia  
Tel: +966 1 4196096 / 4196058 Fax: +966 1 4196101 / 4196103  
Email: Info@algarawigroup.sa / www.algarawigroup.com

Al Garawi Group an authorized distributor of the following licensee for Saudi Arabia, U.A.E., Bahrain, Qatar, Oman, Jordan, Lebanon, Kuwait and Yemen. Wolverine World Wide, the global footwear licensee for Caterpillar Inc.



# I WORK HARDER.



#### DUAL DENSITY INSOLE

Heat pad in the insole efficiently absorbs shock for added comfort.

#### INTERNAL SHANK STABILIZER

The internal shank stabilizer enhances midfoot stability.

#### SCULPTED MIDSOLE

Midsole sculpting provides superior motion control and support during a range of movements.

#### OUTSOLE HEEL CLIFTS

Heel cliffs in the outsole absorb shock and help to lessen the sharpness of impact for improved comfort.

#### ERGONOMIC OUTSOLE TREAD

Outsole tread pattern mimics the shape of the foot providing enhanced traction and cushioning.

#### OUTSOLE FLEX GROOVES

Flex grooves allow the foot to bend and flex with ease, providing superior flexibility.

#### SRX SLIP RESISTANT SOLE

The Cat Footwear SRX sole provides superior slip resistance for performance in slick environments.



Medco

P.O. Box: 17301, Jebel Ali, Dubai, U.A.E. Tel: +971 4 881 8821 Fax: +971 4 881 8914,  
Showroom: Al Kwaked Building, (B-Block) Sheikh Zayed Road, P.O. Box: 2904, Dubai, U.A.E  
Tel: +971 4 343 7400 / 343 7500 Fax: +971 4 343 7600  
Email: medco@alqarawigroup.sa

# A comprehensive expo for MENA

Tank World Expo – a merger of Tank Storage Middle East and Tank World Expo – will be held between 12-13 April 2016 at the Dubai World Trade Centre, and will cater to the entire MENA region.



**“The inclusion of Tank Storage Middle East and Tank World Expo to create a comprehensive event for MENA is due to the rise in traction in the region’s storage sector”**

Organised by Easyfairs, Tank World Expo promises to bring together the biggest names in the storage industry in Dubai later this year. The two-day event showcases products and services to industry professionals worldwide. Major supporters of the show include Horizon Terminals, ENOC, Fujairah Oil Terminal, Gulf Petrochem and Star Energy Oil Tanking as well as suppliers such as Emerson Process Management, Kanon Loading Equipment, ATECO, Tank Technology Engineering and Endress+Hauser – expected to launch their latest products and services for the MENA markets.

The show is also expected to be fruitful for visitors as they can witness first hand the various offerings and services as well as understand the projected industry trends for the current financial

year. Bioethanol plant suppliers, biogas plants and suppliers, chemical industry specialists, oil traders, port authorities, pipeline management officials, product manufacturers, product distributors and members from relevant government agencies can benefit from the show agenda, says the event organiser.

Dubai is the ideal host city, mainly due to its proximity to the biggest terminals in the region. The UAE, considered the third richest country in the world, is the fourth largest producer of oil with an estimated production of 2.5bn barrels of oil per day. In addition, Fujairah is the second largest bunkering port in the world, with oil storage set to rise to 7.8mn cu/m.

The inclusion of Tank Storage Middle East and Tank World Expo to create a more comprehensive event for MENA

is primarily due to the rise in traction in the region’s storage sector. Specifically, the development of the world’s largest terminal in Oman and Fujairah’s dominant industry presence has further strengthened the relevance of a mega event.

The previous edition of Tank World Expo was received well by the industry, with many stating how the inclusiveness of the event benefited their business needs. This year too, organisers are hopeful of being able to create a conducive and profitable business atmosphere for exhibitors and visitors alike. ✦

*Visitor registration is now open. To find out more about the show as well as register online, please visit [www.tankworldexpo.com](http://www.tankworldexpo.com). For more information about booking your stand, please contact [mitra@stocexpo.com](mailto:mitra@stocexpo.com).*



# Middle East **HEALTH & SAFETY** Forum

Save the Dates for  
**2nd Annual**  
**Middle East Health & Safety Forum**

Embedding a World-Class Safety Culture

**4-5 September 2016**  
Habtoor Grand Beach Resort & Spa, Dubai, UAE

## Looking Ahead To 2016

**The topics of discussion and workshops in 2016 are:**

- Communication and trust
- Hygiene legislation in the workplace
- Safety training for a diverse workforce
- Measuring HSE performance
- Fall from height protection

## Dickies Work Pant provides the perfect fit for workers in the Middle East



Dickies' Original Work Pant is designed for comfort.

### CLOTHING

Williamson-Dickie Mfg Co., manufactured the Original 874 Work Pant, which is now considered among the most popular apparel items in the global work-wear industry.

The apparel, which draws its origins from the USA, is made of tried-and-tested materials such as polyester (65 per cent) and cotton (35 per cent), featuring wrinkle-resistant twill with a built-in stain release. This combination, Dickies said, offers quality, durability and extreme comfort in the demanding weather conditions that prevail in the Middle East. Moreover, the Dickies 874 has the

“Original Dickies” fit that sits on the waist and tapers down slightly towards the legs. This design offers the worker ease of movement. In addition, there are tunnel belt loops, which are durable and practical. The Worker Pant comes in a range of sizes and colours. The company even offers a wearer trial programme for workers.

Having been in the business of making comfortable work apparel since 1922, Dickies believes it is adept at comprehending various work wear needs and the Work Pant specifically represents ultimate comfort and ease of use.

## Visual aids to the rescue

### WORKPLACE SAFETY

Brady Corporation's 5S Plus Guide elaborates on key safety practices to be mindful of at a workplace. The 5S Plus Guide entails the essential elements needed to enable operational stability and encourage best practices in safety.

The five S's comprise:

- **Sort:** Eliminate non-essential items by analysing the tools and materials in your facility and discarding unused items.
- **Shine:** Get the workplace clean, maintain its appearance and use preventative measures to keep it clean.
- **Set in Order:** Focus on organising equipment, establishing safety measures, and creating procedures,



product quality standards, and effective inventory and material handling.

- **Standardise:** Make the improved workplace a standard by creating best practices.
- **Sustain:** Maintain momentum, ensure employees know the

importance of workplace organisation, and strive to continuous improvement.

- **Plus Safety:** Make the workplace safer by looking for any potential hazards and resolving them. Brady officials believe that visual aids are the best, most effective way to communicate a

message on workplace safety. Research suggests that around 75 per cent of knowledge is derived from visuals, leading to the need for effective visual aids, workplace labels and signs.

Through the BBP37 Sign&Label Printer, employees can print out multicolour signs in different shapes and sizes. The printer is equipped with versatile colour and cutting capabilities, featuring 'drop in' consumables, automatic label setup configuration, LAN with optional WiFi connectivity and a print speed of 12.7 cm/ second.

By adopting such measures at a workplace, the risks of onsite accidents are greatly mitigated, allowing a conducive atmosphere for business to grow.



High temperatures in the Middle East, especially in the summer, make it highly challenging for workers on construction sites. (Photo: Ndoeljindoel/Shutterstock)

# Hydrate well, work better

Gustavo Ayres Netto, nutrition category manager of *Sport In Life*, explains the need to provide construction workers the right kind of hydration solution on site.



Construction companies operating in the UAE and other Gulf countries may benefit from doing business in the region, but have to deal with extreme working conditions. Mainly during summer, intense sunlight and high temperatures pose several risks to the health of labourers and make it hard to complete complex large-scale projects safely and on time.

Considering the high rates of accidents in the construction sector, UAE leaders have decided to take the much-needed step to mitigate the risk of such accidents. More specifically, they are targeting heat-related illnesses by implementing the Summer Work Restriction Period annually between 15 June and 15 September.

In addition, companies are being instructed to supply hydration solutions to the workforce. Offering hydration solutions that aim to maintain good health and productivity, by facilitating the replacement of essential salts that are lost through perspiration.

Not all hydration solutions are formulated equally, however. These days, several hydration solutions are loaded with sugar and artificial drinks are offered to workers. This has stemmed mainly due to lack of correct information about the components of health drinks.

Keeping in mind the prevalence of diabetes and high blood pressure among the industrial workforce, it's more important now than ever before to understand their needs and supply the right kind of products that wouldn't harm their health in the long run.

While looking for a hydration solution, there are some essential points to consider:

- Sports drinks are high in sugar and often quite acidic, which can damage teeth. They are not designed for prolonged consumption at work
- For prolonged consumption, a fluid with four per cent or less sugar is recommended
- A hypotonic solution can increase absorption by four to six times compared

to plain water and doesn't contain needless amounts of sugar and salt

- ORS products are best kept in the clinics while hypotonic drinks should be offered on site
- A drink with good taste (natural flavours) will encourage people to drink more fluid
- Appropriate products designed for industrial use are available commercially
- The suggested schedule is to drink the electrolyte replacement fluid at every second drink (i.e. one for one with water).

Many companies are actively engaging with their HSE departments by understanding these points and taking best possible care of their employees. By following effective heat illness prevention plans, in addition to sound communication, awareness campaigns and effective distribution of adequate hydration products at workplaces, it has been possible to minimise accidents and heat-related illnesses in workers. ♦

والحركة وتطابق اللون وفقد التفاصيل لتنبيه المشغلين مبكراً بخطر الحريق المحتمل. وبما أنه حل بالفيديو، فلا تشكل المسافة مشكلة ويمكن دمجها مع الأمن. وهو يستخدم في منطقة الخليج في مرافق البتروكيماويات وكذلك في المواقع الأخرى التي تتواجد بها البتروكيماويات، مثل حظائر الطائرات العسكرية والمدنية والجوية. ويمكن ربط الكاشفات بأنظمة الإنذار ودمجها في أنظمة التحكم، حيث تبدأ إغلاق التيار المتناوب والضغط الجوي الإيجابي لسلاسل الهروب وإجمالي أنشطة التعليق مثل أنظمة الرغوة.

### اعتبارات أخرى

تقدم مرافق النفط والغاز مجموعة من السيناريوهات الخطرة. لذا فإنه من البديهي أن حل اكتشاف الحريق الأكثر ملاءمة لكل سيناريو يعتمد على الخطر المحدق. وعلى سبيل المثال، من المحتمل، خلال تشييد موقع أو هدمه أن تكون درجة الحرارة مرتفعة للغاية. ولاشك أن طبيعة ومعدل ضوء لهب مصباح غاز أو قوس لحام أو الشرر الناجم عن التجليخ، تختلف عن معدل الضوء المنبعث من لهب حريق، وهذا قد تكون له علاقة بحل اكتشاف الحريق. هناك جدالات حادة مؤيدة لوجود مركز تحكم في الطوارئ خارج الموقع. حيث إن الحرائق حول العالم قد أظهرت أن المرافق الموجودة بالموقع يمكن أن تتدمر بسهولة في الحوادث واسعة النطاق. ويمكن مراقبة بعض الأنظمة، مثل نظام الأشعة تحت الحمراء أو حل اكتشاف الدخان البصري، لتجنب هذا السيناريو المحتمل. كما تحتاج شركات النفط أيضاً إلى أن تأخذ في الاعتبار الموارد المتاحة من خدمة الطوارئ المحلية من حيث المعدات المتخصصة التي تمتلكها وكيف يمكن نشرها بسرعة.

فهل بالإمكان توصيل نظام اكتشاف الحريق بخدمة الطوارئ؟ الزمن هو الجوهر. تقنية اكتشاف الحرائق تزداد تعقيداً وتطوراً. فاستخدامها محدد بدرجات مختلفة عبر منطقة الشرق الأوسط، ولكن تكلفة تنفيذ حلول فعالة أكثر مما يمكن تعويضه من خلال فوائد الحد من احتمالية وقوع الحرائق وعواقبها.



بي إن راجيش يقدم لمحة عامة عن تحديات اكتشاف الحرائق، والحلول المحتملة لضمانة النفط والغاز.

الطاقة الإشعاعية في الأشعة تحت الحمراء إلى شكل يمكن قياسه. واكتشاف الأشعة تحت الحمراء المنبعثة من خلال الأجسام تزيل الاعتماد على الضوء المرئي، والظروف المظلمة لا تؤثر على فعاليتها. لكن الدخان الكثيف والغاز والشحم يمكن أن تكون مجتمعة حجرة أمام هذه الكاشفات. ولهذا تم تصميم معظم كاشفات الأشعة تحت الحمراء لتجاهل إشعاع الأشعة تحت الحمراء الخلفي الثابت، مع التركيز على الجزء المعدل للإشعاع. ومع ذلك يمكن أن تميل إلى أجهزة الإنذار الكاذبة عند التعرض لإشعاع معدل بالأشعة تحت الحمراء عديمة اللهب. وأما الاكتشاف البصري للدخان فهو عبارة عن تقنية ناضجة تم تطويرها وتنقيحها واختبارها على مدار العشرين عاماً الماضية أو نحو ذلك. فهي تستخدم اللهب وكشف الدخان وتحليل الدخان لإعطاء إنذارات مبكرة من خلال تحديد أنماط الدخان المميّزة عبر صورة بالفيديو. وهي تحلل التغييرات في مجموعة من المتغيرات مثل اللون والسطوع والتباين والحدة ومحتوى الحافة

فقط في سياق اكتشاف الحرائق، بل من حيث الضرر المحتمل الذي يمكن أن يلحق بها عند وجودها عن قرب - مرافق الميناء، على سبيل المثال.

أما الإرهاب، فهو يعد اليوم أكثر انتشاراً عن ذي قبل. لهذا يجب دمج أنظمة الأمن مع أنظمة التأمين من الحريق. وحلول اكتشاف الحرائق، التي تستخدم حل اكتشاف الدخان البصري مثل FireVu، بإمكانها دمج كلا النظامين. وصناعة النفط والغاز تتفوق فيها فوائد تثبيت حلول اكتشاف الحرائق والوقاية منها للمرافق، على المتطلبات القانونية ومقتضيات التكلفة. ليس هناك مساحة لتقبل المخاطرة، وهذا عامل لا ينطبق على جميع القطاعات. فتكلفة الكارثة من حيث الأشخاص والبيئة والأصول والسمة، والتي تعرف اختصاراً PEAR، تفوق تكلفة الاستثمار في تقنية سلامة فعالة. كذلك يمكن إدراج أقساط التأمين الأعلى لنظام اكتشاف الحرائق الأقل صرامة والوقاية، كعنصر هام في عملية اتخاذ القرارات المالية.

### أنظمة الكشف عن الحريق

حلول الكشف عن الحريق يمكن تجميعها - بصفة عامة - في الكاشفات الساحبة للدخان (ASD)، وحلول الأشعة تحت الحمراء (IR)، وحلول كشف الدخان البصرية (VSD). كل من هذه الحلول له سماته الخاصة للبيئات المختلفة. فأنظمة السحب تحدد جزيئات الدخان المعلقة في الهواء لتنبيه مشغلي السلامة بخطر الحريق. فهي حساسة بدرجة عالية، وغالباً ما تكتشف الدخان قبل أن يكون مرئياً للعين البشرية. لهذا يكون الكاشف الساحب للدخان فعالاً في البيئات الداخلية، غير أنه قد يستغرق وقتاً أطول لوصول جزيئات الدخان للكاشفات في المساحات الكبيرة، ومن ثم فإنها تؤثر على وقت الاستجابة، وحين يتعلق الأمر بالمواقع الخارجية فإنها قد تكون أكثر عرضة للخطر. كما أن الكاشف الساحب للدخان يناضل أيضاً من أجل التمييز بين جزيئات الفبار والدخان. أما الأشعة تحت الحمراء فهي عبارة عن محولات للطاقة الإشعاعية، حيث تحول



مرافق النفط والغاز والبتروكيماويات، على وجه الخصوص، عرضة لخطر نشوب الحرائق

## الاكتشاف الفعال للحرائق في قطاع النفط والغاز

قريبة. فعندما تتبخر المواد البتروكيماوية، فإنها لا تحتاج بالضرورة لأن تكون على اتصال مباشر بالمرقق لإشعال الحريق. كما أن درجات الحرارة المرتفعة، والتي تصل أحيانا إلى ما يزيد على ٥٠ درجة مئوية في الصيف عبر منطقة الشرق الأوسط، تشكل خطرا حقيقيا. كذلك مرافق البتروكيماويات هي مرافق استخراج معقدة، وأيضا سلاسل الإمداد مع محطات التوزيع الطرفية، مع وحدات التصنيع البحرية والبرية. هنا خطرٌ مائلٌ يطل برأسه منذراً بوقوع حادث يشمل مواد خطيرة في أي جزء من العملية.

كما يجب مراعاة المواقع المجاورة أيضا، ليس

في هذا المقال، يقدم بي إن راجيش لمحة عامة عن تحديات اكتشاف الحرائق، والحلول المحتملة لصناعة النفط والغاز.

في الشرق الأوسط. وقد وقعت هناك - بالفعل - حادثتان مهمتان أودتا بحياة ثمانية أشخاص إجمالا في نفس معمل التكرير في عامي ٢٠٠٠ و ٢٠١١، في حين اندلع حريق في أغسطس/آب من العام الماضي في مصفاة ميناء الأحمدية في الكويت والتي تنتج ٤٦٦ ألف برميل يوميا.

### المخاطر الرئيسية

بعض البتروكيماويات متطايرة علانية. وبالإمكان أن تبدأ الحرائق من مصادر اشتعال

لاشك أن مرافق النفط والغاز والبتروكيماويات تعتبر، بصفة خاصة، عرضة للحرائق. كما تعتبر الخسائر المحتملة للكوارث أيضا فادحة فيما يتعلق بالتعطيل والخسائر في الأموال والأرواح. لهذا يعتبر الاكتشاف المبكر للحريق أمرا حيويا حتى لا يتطور بسرعة ويطل المصانع والمواد. شركات النفط والغاز تحتاج إلى اتخاذ إجراء لمعالجة الحوادث التي قد تقع رغم تدابير السلامة الصارمة الموجودة. الحرائق التي تحدث في مرافق النفط والغاز والبتروكيماويات لا تعتبر استثنائية



للعناية الصحية منهاجاً شاملاً لخدمات الرعاية للمرضى الخارجيين، وخدمة التشخيص، وذلك من خلال مرافقها المصممة بطريقة عصرية تتكامل مع التقنيات. علماً بأن القسم سوف يقدم حلول رعاية صحية وطبية حديثة تساعد في تعزيز الرفاهية الشاملة للأفراد والأسر على حد سواء.

وأضاف حامد المطروشي، كبير نواب رئيس قسم الرعاية الصحية بشركة مراس، أن القسم الجديد ملتزمٌ بتقديم خدمات طبية على مستوى عالمي للأسر على الصعيد الإقليمي والعالمي.

وقال: «نحن نهدف إلى بناء محفظة شاملة من مرافق الرعاية الصحية، وتقديم مجموعة شاملة من الخدمات في نظام معلوماتي واحد متكامل حقاً وتديره تقنية عصرية. وسوف نركز على دوافع الطلب للمختصين، والمجالات الطبية الأكثر احتياجاً مثل جراحة تَقْوِيمِ العِظَامِ، وطبُّ القَلْبِ، وطب الأطفال، وأدوية الأسرة لتحقيق الهدف المتمثل في أمة سعيدة وتتمتع بالصحة». والتزاماً

مراس للرعاية الصحية ستتخذ نهجاً شاملاً لخدمات التشخيص والعيادة الخارجية من خلال المرافق القائمة على أحدث التقنيات

منا بالمساهمة في استراتيجية السياحة الطبية لدبي، سنركز أيضاً على تقديم رعاية ذات طابع شخصي، وتقديم العلاج من خلال مرافق مخططة جيداً وتجمع بين التقنية العصرية والتصميم والمعايير الدولية للخدمة والمعرفة العالمية الرائدة.

## مفكرة رجال الأعمال ٢٠١٦

يناير/كانون الثاني ٢٠١٦

١٩-١٧ المعرض الدولي للسلامة والأمن والوقاية من الحريق - إنترسك ٢٠١٦ دبي

فبراير/شباط

٢٣-٢١ مؤتمر ومعرض أسيس للأمن والسلامة دبي

٢٦-٢٣ المعرض الدولي للأمن والسلامة والوقاية من الحريق - SICUR مدريد

مارس/آذار

١٧-١٥ المنتدى الدولي حول إعادة التوليد العصبي - ISNR أبوظبي

١٧-١٥ معرض الشرق الأوسط لمكافحة الحريق أبوظبي

١٧-١٥ معرض الشرق الأوسط للسلامة المهنية والصحة أبوظبي

٢٤-٢٢ فعالية الصحة والسلامة بيرمنجهام

٢٨-٢٧ معرض نقل «السلامة» إلى غرفة الإدارة دبي

أبريل/نيسان

١٣-١٢ المعرض الدولي لصهاريج التخزين دبي

١٧-١٢ المعرض والمؤتمر الدولي لتكنولوجيا الاستشعار والتصوير - SPIE DSS بلتيمور



شركة RGL Electronics، عضوة جمعية صناعة الأمن البريطانية، ستعرض جهاز الإنذار الجديد لمراحل المعاقين الذي تم تطويره خصيصا للمشروعات السائدة في الشرق الأوسط

وباعتبارها منظمة تجارية معتمدة (ATO) من وزارة التجارة والاستثمار بالمملكة المتحدة، فإن جمعية صناعة الأمن البريطانية مسؤولة عن تيسير جناح المملكة المتحدة في معرض إنترسك ٢٠١٦، حيث تجمع معا عددا من شركات المملكة المتحدة لترويج علامة «بريطانيا العظمى» التجارية.

هذا وسيشكل جناح المملكة المتحدة نقطة اتصال محورية للمشتريين الخارجيين الذين يرغبون في شراء منتجات الأمن المبتكرة عالية الجودة التي تشتهر بها المملكة المتحدة على الصعيد العالمي.

إنترسك ٢٠١٥، الأمر الذي يعكس الأهمية الواضحة لهذه المنطقة بالنسبة لمصدري منتجات الأمن بالمملكة المتحدة، والدور المحوري الذي يلعبه معرض إنترسك في مساعدة الشركات بالمملكة المتحدة على إقامة علاقات تجارية مثمرة مع المشترين في الشرق الأوسط.

ومن بين أعضاء جمعية صناعة الأمن البريطانية الذين يعرضون منتجاتهم في معرض إنترسك هذا العام، كل من RGL Electronics، Remsdaq، GJD Manufacturing Ltd، Storm-AXS، و Texecom Ltd، وآخرون.

## قسم مراس الرعاية الصحية في دبي يساعد في السياحة الطبية

مهم فيه، وخلق تأثير إيجابي على الاقتصاد والمجتمع». وأفاد بأن مراس للرعاية الصحية سوف تكمل مشهد الرعاية الصحية الحالي في الإمارات العربية المتحدة، وتقدم الخدمات التي تتوافق مع المعايير الدولية للرعاية الصحية. وأضاف قائلاً: «إننا نعتقد بشدة أن المجتمع الصحي هو مجتمع سعيد. ونحن نهدف، من خلال تكوين القسم الجديد، إلى تحقيق في المجتمع، ودعم موضوع أساسي لخطة دبي لعام ٢٠٢١». ووفقاً لما ذكره الحباي، سوف ينشر قسم مراس

الوقائي، وخدمات المتابعة للمرضى الخارجيين. كل ذلك في نظام واحد مدمج ومتكامل. وسوف يترجم الكيان الجديد رؤية شركة مراس الاستراتيجية للمساهمة في استراتيجية السياحة الطبية بدبي، والتي تهدف إلى جذب ٥٠٠ ألف سائح طبي للإمارات بحلول عام ٢٠٢٠. وفي تعليقه على إطلاق القسم الجديد، صرح رئيس مجلس إدارة المجموعة، عبدالله الحباي قائلاً: «لقد حددت مجموعة مراس الرعاية الصحية بوصفها قطاعاً أساسياً يمكنها لعب دور

أعلنت شركة مراس القابضة، التي تتخذ من دبي مقراً لها، عن إطلاق قسم جديد للرعاية الصحية من أجل دعم استراتيجية السياحة الطبية في دبي، وذلك من خلال التعامل مع احتياجات الرعاية الصحية الوقائية المباشرة، وتشجيع المرضى على طلب العلاج محلياً. وسوف تشكل الوحدة الجديدة - مراس للرعاية الصحية - شبكة رعاية صحية ابتكارية متمركزة حول المريض، وقائمة على المجتمع، توفر مجموعة كبيرة من خدمات العلاج والتشخيص، والعلاج

## توقعات بروج سوق أجهزة الكشف عن الغاز



نظام هاني ويل الجديد Touchpoint Pro للعمليات الصغيرة والمتوسطة الحجم

توقعت دراسة نشرتها مؤخرا مؤسسة ترانسبيرنسي ماركت ريسيرش (TMR) أن يتم تقييم السوق العالمي لأجهزة الكشف عن الغاز عند ٣,٣ مليون دولار أمريكي نتيجة «زيادة رواج كاشفات الغاز الطبيعي»، وفقاً لما ذكرته المؤسسة. فالكاشفات في الصناعات التجارية والتصنيع تستخدم لمراقبة النسبة الآمنة لكميات الغاز وحماية سلامة الموظفين والعاملين وضمان جودة السلع. وقد لاحظ الباحثون بمؤسسة TMR أن سوق المعدات بمجال الصناعة يتسم بأنه «عالي التنافسية»، ولكن اللاعبين الرئيسيين يستفيدون من الطلب المرتفع.

وقد أطلقت شركة هاني ويل، وهي أحد العمالقة العالميين في التصنيع، نظاماً جديداً يزعم أنه يوفر ٦٤ قناة للكشف عن الغاز. ومع ذلك فقد اختارت الشركة، لتسويق هذا النظام الجديد للكشف عن الغاز، والمعروف باسم Touchpoint Pro لما تعتبره «عمليات صغيرة ومتوسطة الحجم»، وبهذا تختلف بصورة كبيرة عن منافسيها الذين يزودون المصانع واسعة النطاق ومحطات المعالجة. وقد صرحت شركة هاني ويل التي تقدم «بنية مرنة» بأنه يمكن تصميم النظام وفقاً لمتطلبات العميل، ما يسمح بوجود نظام مركزي أو موزع. ويبدو أن السوق سوف ينضج حسب التوقعات، ولكنه سيظل ينمو أيضاً. ومن الواضح أن أنظمة الكشف عن الغاز سوف تزداد انتشاراً، ولكن لا يمكن لقسم الأبحاث بمؤسسة TMR التنبؤ - تحديداً - بمقدار التوسع السوقي الذي سوف تحصل عليه أنظمة الكشف عن الغاز بحلول عام ٢٠٢٢ مع تشجيع قيام العمليات الصغيرة ومتوسطة الحجم بتثبيت هذه الأنظمة. وقد حذرت مؤسسة TMR من أنه بالرغم من أن المخاوف بشأن السلامة المهنية سوف تدعم السوق، فإن المستقبل «سيكبح السوق العالمي لأجهزة

الكشف عن الغاز بتآكل السعر». فأنظمة الكشف عن الغاز ستتوفر بسهولة لمزيد من الصناعات، وسيتم توفيرها لمحطات التصنيع الأصغر، وبهذا تواجه موجة من نمو السوق التي تعاني، في الوقت نفسه، من خطر تآكل السعر لتزويد هذا السوق الأصغر والأكثر تقيداً مالياً. وقالت شركة هاني ويل إن منتجاتها الخاصة بالكشف عن الغاز: «مناسبة لتزويد مجموعة من قطاعات الصناعة؛ مثل النفط والغاز والبتروكيماويات وأتمتة المباني».

## أعضاء جمعية صناعة الأمن البريطانية يعرضون منتجاتهم في إنترسك ٢٠١٦

المشاركين في الاستطلاع حدوث زيادة في الأعمال الخارجية خلال عام ٢٠١٥، في حين ذكرت نسبة ٣٠ في المائة أخرى أن مستوى الأعمال قد ظل كما هو. ومن المتوقع أن تنمو التجارة الخارجية في عام ٢٠١٦ مع تركيز واضح على الشرق الأوسط باعتباره سوقاً مهماً لقطاع الأمن بالملكة المتحدة. وقد حدد تقريبا نصف عدد المشاركين في الاستطلاع الشرق الأوسط باعتباره السوق المستهدف الوحيد الأكثر أهمية، ويتطلع ٨٠ في المائة من المشاركين إلى زيادة مستوى أعمالهم في المنطقة خلال العام المقبل. وقال دارن وود، مدير خدمات العضوية والتصدير بجمعية صناعة الأمن البريطانية: «تحظى المملكة المتحدة بسمة دولية طيبة فيما يتعلق بتوفير منتجات وخدمات الأمن، ويرجع ذلك جزئياً - إلى الابتكار الذي أصبح مرادفاً لصناعة الأمن بالملكة المتحدة. وقد حضر أكثر من نصف المشاركين في استطلاع هذا العام معرض

أعضاء جمعية صناعة الأمن البريطانية (BSIA) يقومون حالياً بالإعداد للدورة الثامنة عشرة للمعرض الدولي للسلامة والأمن والوقاية من الحريق (إنترسك ٢٠١٦) الذي سيقام في الفترة من ١٧-١٩ يناير/كانون الثاني ٢٠١٩ في دبي. وبصفتها النقابة المهنية التي تمثل صناعة الأمن الخاص بالملكة المتحدة، ستقيم جمعية صناعة الأمن البريطانية علاقات مثمرة بين شركات الأمن بالملكة المتحدة والمشتريين الخارجيين، بما في ذلك المشتريين في الشرق الأوسط. وتأكيداً منه على أهمية منطقة الشرق الأوسط للشركات الأعضاء، أجرى مجلس التصدير التابع لجمعية صناعة الأمن البريطانية استطلاعاً السنوي بشأن «حالة الدولة»، والذي يدرس اتجاهات التصدير العالمية. وقد كشف استطلاع هذا العام عن استمرار الطلب المرتفع على منتجات وخدمات الأمن البريطانية، حيث ذكرت نسبة ٦٠ في المائة من

# intersec

**SAVE THE DATE**

January 22 – 24, 2017

Dubai, UAE

The world's leading trade fair for  
Security, Safety & Fire Protection

## 5 Show Sections

Commercial Security

Information Security

Fire & Rescue

Safety & Health

Homeland Security & Policing

[www.intersecexpo.com](http://www.intersecexpo.com)



## هل يمكنك نقل وظيفة السلامة إلى قاعة اجتماعات مجلس الإدارة؟



الانتقال بمفهوم السلامة إلى ورشة عمل قاعة اجتماعات مجلس الإدارة (٢٧-٢٨ مارس/ آذار ٢٠١٦، دبي) سوف يختبر الأسس والمبادئ التي تستند إليها تدخلات السلامة الحديثة

من المسلم به أن ممارسات الصحة والسلامة في الشرق الأوسط دائمة التغيُّر. وقد ولت، بلا رجعة، تلك الأيام التي كنا نسعى فيها - ببساطة - إلى ضمان انخفاض معدلات الحوادث أو وضع برامج تدريب على السلامة. وترى المؤسسات الحديثة وظيفة السلامة باعتبارها شريك أعمال وجزءاً مكملًا لنجاح الأعمال.

وقد تحتاج مصطلحات السلامة، أو السلامة والصحة والبيئة، أو الصحة والسلامة والأمن والبيئة، أو الجودة والصحة والبيئة والسلامة (أو أي عنوان إداري آخر تستخدمه)، إلى إعادة تعريف دورها، والتوافق مع مزيد من المناهج الحساسة «للأعمال» من أجل المشاركة التامة في عملية اتخاذ قرارات الأعمال. فالتفكير في مفهوم الصحة والسلامة والبيئة، كجزء من استراتيجية متكاملة لإدارة المخاطر من زاوية تجارية، ينقل المناقشات حول وظيفة السلامة - حتماً - إلى قاعة اجتماعات مجلس الإدارة.

### ما مدى استعدادك بالضبط للقيام بذلك؟

الانتقال بمفهوم السلامة إلى ورشة عمل قاعة اجتماعات مجلس الإدارة (٢٧-٢٨ مارس/ آذار ٢٠١٦، دبي) سوف يختبر الأسس والمبادئ التي تستند إليها تدخلات السلامة الحديثة، بما في ذلك برامج السلامة القائمة؛ السلوكية «الدارجة» مؤخرًا، والمندرجة الآن تحت التدقيق المتزايد من حيث القيمة والاستدامة. كما ستتناول الجلسات أيضاً الوظيفة التقليدية لاختصاصي السلامة في عالم الأعمال الحديث والديناميكي اليوم، وتستفسر عما إذا كانت متوافقة مع احتياجات نشاط أعمال الشركات الحديثة أم لا.

وبحضور ورشة العمل الهامة هذه، ستتمكن من:

- إنشاء نهج «على مستوى الشركات» بديل لإدارة مخاطر الصحة والسلامة.

- تقييم عملية التخطيط والتنظيم والقيادة والتحكم في الأنشطة بهدف الحد من مخاطر السلامة وزيادة جهود مكافحة هذه المخاطر

التأمين، ومسؤولي الامتثال والمدققين الداخليين، ومديري الموارد البشرية الذين يرغبون في فهم المناهج البديلة الثورية، والمثيرة للجدل بصورة محتملة والمتعلقة بإدارة مخاطر الصحة والسلامة، ووظيفة «السلامة» وتحليل هذه المناهج واستكشافها.

ترتبط ورش العمل هذه بجميع القطاعات، ولكنها تتصل، بصفة خاصة، بالحكومة، وقطاع الإنشاء، وإدارة المرافق، وقطاع النفط والغاز، وصناعات المعالجة والتصنيع، والضيافة، والرعاية الصحية، والقطاع البحري والإرساء والمرافئ.

لمعرفة مزيد من المعلومات حول الجلسات وكتيب ورشة العمل، يُرجى زيارة الموقع [www.hse-forum.com](http://www.hse-forum.com) أو مراسلتنا على البريد الإلكتروني [riad.mannan@alaincharles.com](mailto:riad.mannan@alaincharles.com)

المتعلقة برأس مال وأرباح المؤسسة.

- استيعاب مفاهيم ومبادئ الاستراتيجيات المتكاملة لإدارة المخاطر

- تقييم المشاهد المتغيرة داخل قاعة اجتماعات مجلس الإدارة بخصوص المخاطر التقليدية للصحة والسلامة.

- إعادة توجيه جهود «السلامة» بهدف دعم وتحقيق الأداء المستدام في إدارة المخاطر وتحقيق الأهداف المؤسسية الواقعية.

- دمج المخاطر التشغيلية والاستراتيجية بفعالية، وتقييم الرغبة السائدة تجاه إدارة المخاطر بالمؤسسة بشكل كامل، واحتمالات التعرض للمخاطر.

هذه الدورة التدريبية تستهدف كبار المديرين، ومديري المخاطر المؤسسية، وممارسي الصحة والسلامة، وإدارة تمويل الشركات، وقطاع



# TANK WORLD EXPO

12 & 13 APRIL 2016 - DUBAI WORLD TRADE CENTRE, UAE

Government supporter

UNITED ARAB EMIRATES  
MINISTRY OF ENERGY



الإمارات العربية المتحدة  
وزارة الطاقة

The leading event for the Middle East  
& African tank storage markets

BOOK YOUR  
STAND TODAY

Contact us:  
Mitra Esmizadeh  
Sales Manager  
T: +44 (0)20 8843 8819  
E: mitra@stocexpo.com

Show supporters



Show sponsors



Endress+Hauser



Serving the tank storage community globally



BOOK NOW >> [www.tankworldexpo.com](http://www.tankworldexpo.com)



# شاي هذا العمود ...

## أخبار:

- ٥ نقل وظيفة السلامة إلى قاعة اجتماعات مجلس الإدارة .....
- ٧ توقعات بروج سوق أجهزة الكشف عن الغاز .....
- ٧ أعضاء جمعية صناعة الأمن البريطانية يشتركون في إنترسك ٢٠١٦ .....
- ٨ قسم مراس للرعاية الصحية في دبي يساعد في السياحة الطبية .....



## تصاريح:

لاكتشاف العمال للحرائق في قطاع النفط والغاز

## ما ضمن محتويات القسم الإنجليزي:

- التطورات:** تطورات السوق.
- تحليلات ومقالات:** معدات الحماية الشخصية المقلدة، الأمن في البصرة، القفزات الوقائية، ابتكارات.
- فحاليات:** إنترسك، أدبيك، معرض الصحاري والتخزين.

مدير التحرير: بن واطس - بريد إلكتروني: ben.watts@alaincharles.com

فريق التحرير والتصميم: برانشانت إيه بي - هيريتي بايرو - سيندوجا بالاجي - أندرو كروفت - توماس ديفيز - رانجانات جي إس - هيمانشو جوينكا - توم ماكل - رونيتا باتنيك - براسات شانكاريا - زا تبيت - نكي فالساماكيس - لويز ووترز.

مدير مبيعات المجلة: جاستين بيرمان  
هاتف: ٢٠٧٨٣٤٧٧٦ (٤) +٤٤، فاكس: ٢٠٧٩٧٣٠٠٧٦ (٤) +٤٤ - بريد إلكتروني: justin.berman@alaincharles.com

مدير مبيعات الشرق الأوسط: راكيش بوتوفات  
هاتف: ٩٢٦٠ (٤) ٤٤٨ +٩٧١، فاكس: ٩٢٦١ (٤) ٤٤٨ +٩٧١ - بريد إلكتروني: rakesh.r@alaincharles.com

المكتب الرئيسي:

Alain Charles Publishing Ltd, University House, 11-13 Lower Grosvenor Place, London SW1W 0EX, UK  
Tel: +44 (0) 207 834 7676, Fax: +44 (0) 207 973 0076

مكتب الشرق الأوسط الإقليمي:

Alain Charles Middle East FZ-LLC, Office 215, Loft No. 2/A

صندوق بريد: ٥٠٢٠٧ - مدينة دبي للإعلام - الإمارات العربية المتحدة.

هاتف: ٩٢٦٠ (٤) ٤٤٨ +٩٧١، فاكس: ٩٢٦١ (٤) ٤٤٨ +٩٧١

الإنتاج: بريانكا شاكراپورتى - نيكتا جين - ناتانيل كومان - دولاتيللا موراليلي - صوفيا هوات

بريد إلكتروني: production@alaincharles.com

الإشتراكات: بريد إلكتروني: circulation@alaincharles.com

الناشر: نك فوردهام

مديرة النشر: بيلافي باندي

رئيس مجلس الإدارة: دريك فوردهام

الوكيل البريدي بالولايات المتحدة:

نشرة الصحة والسلامة والأمن - الشرق الأوسط Health, Safety & Security Middle East تنشرها أربع مرات في السنة لقاء ٩٩ دولاراً في العام، دار آلان تشارلز للنشر  
Alain Charles Publishing, University House, 11-13 Lower Grosvenor Place, London SW1W 0EX, UK.

الطباعة: مطبعة الإمارات - دبي

الترجمة: عز الدين ه. علي - بريد إلكتروني: ezzeddin@movistar.es

التصميم والإخراج الفني: محمد مسلم النجار - بريد إلكتروني: alnajjar722@gmail.com

كافة المعلومات في هذه المطبوعة كانت صحيحة عند وقت الطبع.  
Health, Safety & Security Review Middle East. ISSN: 2059-4837

نشرة الصحة والسلامة والأمن الشرق الأوسط

Alain Charles Publishing

## Advertiser Index

Company	Page	GIROT TRADING LLC (Sportslife Distribution)	15
Agility Grid	23	ICME International AG	8
Al Garawi Group	36,37	JSP Limited	19
Al Majdal Trading Co. LLC	27	Messe Frankfurt (Intersec, 2016)	47
ATG Glove Solutions	9	Karam Safety DMCC	25
Bauer Kompressoren GCC FZE	51	Occupational Health International	11
Brady Corporation	15	Saudi Leather Industries Company Ltd	33
CMS Chemstore Engineering Ltd	21	Tank International Petroleum Equipment	2
Dickies Middle East FZE	4	VF Imagewear Majestic UK Ltd	3
Easyfairs UK & Global Ltd (Tank World Expo, 2016)	49		

# THE ALL-IN-ONE HIGH PRESSURE BREATHING AIR SYSTEM UNICUS 4i



- › **12-inch HMI** Integrated Touch Screen
- › **BAUER Gas-Tek™** OPTIONAL  
GAS MONITORING SYSTEM
- › **RFID Reader** OPTIONAL  
NFPA 1989 DATA COLLECTION MADE EASY
- › **Lab on Locale 2™** OPTIONAL  
PROVIDES REAL-TIME AIR SAMPLING & TESTING



WATCH OUR NEW VIDEO AT  
[www.BauerFire.com](http://www.BauerFire.com)

**››› EVOLVE WITH US**

[www.bauer-kompressoren.de](http://www.bauer-kompressoren.de)

BAUER KOMPRESSOREN GCC FZE, P.O. Box 261413, Unit # AF07, Jebel Ali Free Zone, Dubai, UAE, Phone +971-4-886 0259, Fax +971-4-886 0260

# تنتيرة الصرصة والسلامة والأمن

العدد الأول 2016

الشرق الأوسط

## الإكتشاف

## الفعّال

## للحرائق

به إن راجيش يكتب عن تحديات اكتشاف الحرائق، والطول المحتملة لصناعة النفط والغاز، والتي تهدف إلى تلافى التعطيل، والحيولة دون حدوث خسائر فى الأموال والأرواح.