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Middle East

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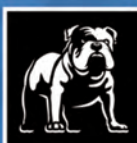
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The Middle East is one of the most rapidly growing international markets for homeland and commercial security, as well as fire protection. Intersec, which celebrates its twentieth anniversary this year, will showcase all the latest safety, security and fire safety solutions, with a focus on smart and innovative technologies. See our preview on p26. With the upsurge in construction activity in the UAE in the run-up to Dubai Expo 2020, we look at initiatives to enforce health and safety regulations and improve standards in the UAE's construction sector (p10). We highlight the technology trends which will impact business in 2018 (p28), discuss how to make safety a boardroom issue (p22) and provide advice on the selection of drysuits (p24).

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Abu Dhabi QCC verifies fuel meters at ADNOC Distribution service stations

Security

Abu Dhabi Quality and Conformity Council (QCC), the entity responsible for developing quality infrastructure in the UAE, has announced it has completed the verification of all fuel meters used at ADNOC Distribution service stations across the emirate of Abu Dhabi.

The council confirmed that 99 per cent of the fuel meters used at 178 service stations in the emirate is compliant with the relevant quality standards and specifications. Following the inspection, ADNOC Distribution carried out adjustments on the remaining one per cent of the meters to ensure their complete accuracy.

Sultan Al Mehairi, director of information service and engagement at QCC, said, "Our latest move to verify the fuel meters used at ADNOC Distribution service stations in Abu Dhabi aligns with our objective of promoting highest



Sultan Al Mehairi is the director of information service and engagement at QCC

quality standards in all commercial transactions."

"In addition to ensuring a safe and fair marketplace for all, such efforts protect the interests of both consumers and service providers and position the emirate as a leading hub for product and service quality and conformity," he added.

Al Mehairi further noted, "At QCC, we carry out regular inspections on all service stations run by ADNOC Distribution in Abu Dhabi to enhance consumer confidence in the accuracy of fuel meters and increase the awareness of motorists. We urge motorists to look for the 'Verified' seal on fuel dispensers before fuelling their vehicles."

All fuel meters at ADNOC Distribution service stations in Abu Dhabi are verified annually aiming to ensure the consistent accuracy of the readings in compliance with the requirements of the UAE's legislation and specifications. QCC uses volumetric test measures and international calibration methods to ensure the conformity of meters to set standards. The verification process is carried out under the supervision of a team of QCC inspectors who evaluate the accuracy and complete flawlessness of fuel meter measurements.

NEBOSH to promote new qualification at Intersec 2018

Safety

NEBOSH, the leading health, safety and environmental management awarding body, will promote a new qualification and the availability of an existing qualification in Arabic at Intersec, to be held in Dubai from 21-23 January 2018.

The exhibition will provide an opportunity for delegates to talk to NEBOSH about its new qualification, the NEBOSH HSE Certificate in Process Safety Management, which is developed in partnership with the UK'S Health and Safety Executive. This certificate-level qualification has been designed for high hazard industries where process safety management is very important.

Matthew Powell-Howard, qualifications development manager at NEBOSH, explained, "The environmental awareness at work qualification helps all kinds of organisations to give their employees a greater understanding of environmental issues and how to manage them."

IIRSM expands Middle East activity through new partnerships

Training

The International Institute of Risk and Safety Management (IIRSM) has signed an MoU with Abu Dhabi Vocational Education and Training Institute (ADVETI), focusing on the areas of risk management and occupational safety and health education and training.

The signing took place at ADVETI's Mussafah campus in Abu Dhabi and was attended by Dr Abdulrahman Alhammadi,

ADVETI's managing director, Sophie Williams, IIRSM's director of Professional Development and Siobhan Connolly, ADVETI's Curriculum Development specialist.

"We are very excited and pleased to enter into this partnership with IIRSM," said Dr Alhammadi. "It will enable us to raise awareness of the importance of risk management in the UAE."

Phillip Pearson, IIRSM chief executive,

commented, "I am delighted with our strategic partnership and look forward to closely working together to raise awareness of the importance of risk management through practical education and training over the coming months and years in the UAE."

Prior to the signing, ADVETI hosted IIRSM's two Managing Risk pilot courses in Abu Dhabi, which received a high level of attendance from regulatory and government representatives.

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ENEC achieves construction milestones in development of Barakah Plant

Construction

The Emirates Nuclear Energy Corporation (ENEC) has achieved significant milestones in the construction development of its Barakah Nuclear Energy Plant, including the energisation of the switchyards for Units 3 and 4, energisation of Unit 2 main power transformer (MTR), excitation transformer and unit auxiliary power transformers (UAT).

The connection of Units 3 and 4 to the UAE electricity transmission grid is a prerequisite for future testing and allows for the completion of additional auxiliary buildings at both units. Meanwhile, the energisation of Unit 2's MTR, excitation transformer and UAT allows for the initiation of hot functional testing (HFT). These achievements mark another set of milestones in the safe and steadily progressing construction of ENEC's Barakah Nuclear Energy Plant, located in the Al Dhafra region of Abu Dhabi Emirate.



The Barakah Nuclear Energy Plant is one of the first nuclear power stations in the UAE

“These milestones are a result of our extensive collaboration with our prime contractor and joint venture partner, the Korea Electric Power Corporation (KEPCO),” said Mohamed Al Hammadi, CEO of ENEC. “Working together and benefitting from the experience gained when conducting the same work on Unit 1, the teams continue to make significant progress while continuing to implement the highest international standards of safety, security and quality.”

Over the past year, ENEC and KEPCO have achieved a series of other construction milestones on the units of the Barakah Plant.

The reactor containment building liner dome section was installed and concrete pouring for the dome was completed on Unit 3, and the reactor containment liner plate rings, reactor vessel, steam generators and condenser were installed on Unit 4. Meanwhile, testing and commissioning activities are progressing on Units 1 and 2.

Since its inception in 2009, ENEC has focused on the safe delivery of the UAE Peaceful Nuclear Energy Programme. The Unit 4 has been completed by 60 per cent, with Unit 3 completed by 79 per cent, Unit 2 90 per cent and Unit 1 currently undergoing commissioning and testing.

GSF Safety Award announced

Awards

Euro Petroleum Consultants, organiser of the Gulf Safety Forum (GSF), has announced the GSF Safety Award for companies who have demonstrated the best overall achievement in safety during the last two years.

This award will celebrate the company who has found innovative ways of making lasting improvements to the safety and health of their workers, to the environment and to productivity. By sharing their examples and recognising their achievements, the GSF Safety Award aims to drive change and promote best practice in safety.

All applications should demonstrate measurable results and improvements that can be gauged through defined key performance indicators.

The GSF Safety Award is open to organisations that are participating at the Gulf Safety Forum in Bahrain and will be present at the Forum on 28 March 2018, according to the organisers. For further information visit www.gulfsafetyforum.com.

Empower upgrades to ISO standards

Certification

Emirates Central Cooling Systems Corporation (Empower) has upgraded to the latest international standards set by the International Organization for Standardization (ISO).

The district cooling company has received the upgraded ISO9001:2015 certification for quality management and ISO14001:2015 for its environmental management system.

Empower's safety management system is also complying with international standards for

safety (OHSAS 1800:2007).

ISO14001:2015 evaluates the effectiveness of its environmental management system and provides a framework for the company to follow and use to address risks and opportunities.

The international certifications, certified by Bureau Veritas, attest to the quality of services Empower provides to its customers as well as its compliance to local and international environmental regulations and standards. It also ensures the business risks for the district

cooling company's processes are being evaluated and control measures are being implemented. The company has been certified for quality, health and safety and environmental standards since 2006.

Ahmad Bin Shafar, CEO of Empower, said, “Empower continuously demonstrates its capability to provide world-class services and meet environmental compliance, which is part of our commitment as a sustainable cooling provider.”

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→ events calendar 2018

January			
21-23	Intersec	DUBAI	www.intersecexpo.com
March			
6-8	International Exhibition for National Security & Resilience (ISNR)	ABU DHABI	www.isnrabudhabi.com
12-13	Middle East Rail	DUBAI	www.terrapin.com
19	HSE Forum Kuwait 2018	KUWAIT	www.hse-forum.com
28-29	Gulf Safety Forum	MANAMA	www.europetro.com
April			
24-26	Intersec Saudi Arabia	JEDDAH	www.intersec-ksa.com
May			
7-8	Homeland Security Middle East	DUBAI	www.homelandsecurityseries.com
June			
19-21	Safety & Health Expo	LONDON	www.safety-health-expo.co.uk

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

Promoting collaboration for a safer connected world

HOMELAND SECURITY

The International Exhibition for National Security and Resilience (ISNR), co-organised by the Ministry of Interior (MOI), is a global event offering a networking platform connecting regional government bodies, homeland security and law enforcement officers, professionals and buyers with international security solution providers and manufacturers. It takes place from 6-8 March in Abu Dhabi.

Set to host 600 exhibitors from 55 countries in addition to more than 200 government buyers and delegates, the event will welcome 23,000 local and international attendees. ISNR Abu Dhabi 2018



will span the entire scope of homeland security sectors, such as digital crime management, forensics, critical infrastructure protection, border control, policing, counterterrorism, disaster management, ICT and digital security, crime and offender management, and safety

and security at major events and crowded places.

ISNR Abu Dhabi will be co-located with Infosecurity Middle East, the regional edition of Infosecurity Europe, and will feature Major Events Safety & Security Summit (ME3S) and Emergency Response & Disaster

Prevention (EmDi).

This year's event features dedicated value content pavilions, including international pavilions, digital crime management and forensics pavilion, and counterterrorism pavilion.

In line with the UAE leadership's vision, artificial intelligence (AI) will form an important underlying component of the show. The Future of Policing Forum will dedicate one full day to AI, while the Critical Infrastructure Protection Forum, ME3S, and Infosecurity Middle East will feature focus sessions.

For further information see the website at www.isnrabudhabi.com.



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Improving construction safety

With construction activity booming in the UAE in the run-up to Dubai Expo 2020, there was a strong focus at the 3rd Annual Health, Safety & Security Forum in Dubai on measures introduced by the regulatory authorities to raise health and safety standards in the construction sector.

“The challenging part is to ensure that what’s written by the contractor is put in place and implemented”

Ibrahim Khalid Ahmed Mohamed, EHS inspection team leader, Abu Dhabi City Municipality, said,

“We are trying our best to implement all rules and regulations on all construction sites. We have an ambitious mission to push forward to get safe and healthy workplaces for all employees on construction sites.”

This involves ensuring compliance for health and safety regulations and standards to ensure incident-free sites, as well as changing the culture of employees.

Mohamed noted that the government had implemented many rules and laws to ensure employee safety, noting in particular Decree 42, which requires all sectors in Abu Dhabi to implement an EHS Management System. It is one of the Municipality’s top priorities to ensure that this requirement is implemented on construction projects. He also noted the role of OSHAD (Abu Dhabi Occupational Safety and Health Center) and its codes of practices, many of which are applicable to



construction sites.

“For each project in Abu Dhabi the contractor has to develop an EHS plan, reviewed and approved by the consultant, submitted on the electronic system to the municipality,” he said. “In the case of maintenance projects the contractor has to prepare and have approved a risk assessment. Every entity has to have an EHS management system, according to OSHAD,” he said.

“The challenging part is to

ensure that what’s written by the contractor is put in place and implemented, to keep people safe.”

The consultant is regarded as the overall supervisor of the site, and is held responsible for monitoring the site.

Intensifying inspections

Mohamed added that the Municipality is intensifying inspections of construction sites and cracking down on health and safety violations. Abu Dhabi’s

ABOVE:
Ibrahim Khalid Ahmed Mohamed,
EHS inspection team leader, Abu
Dhabi City Municipality

new system of monitoring and control centres can contribute to detecting violations. Their cameras can zoom onto a project from three kilometres away, and a report of any violations is sent from OSHAD to the Municipality, whereby the Municipality takes immediate action. Inspectors can issue fines to contractors who fail to comply with requirements.

He also said that the Municipality has upgraded the status of its health and safety department, and has increased the number of employees to cope with the demands of the booming construction industry.

“Changing the culture, particularly of management, is the most challenging part of our job,” he said. “Most have a poor safety culture. Convincing the contractor or manager of a site to change the way they operate is like trying to convince a smoker to quit smoking. They think that if they have completed a two-year project without incident in an unsafe manner, they can continue to operate in an unsafe manner and nothing will happen to them. It is not easy to change the way people do things. You can find examples of good practice; it is mainly the big contractors who are adopting a good safety culture and implementing best practices.”

Many people think that the safety officer can protect the site from incident, even if the management is far from providing what is required, he added.

He said that the Municipality is also conducting an awareness campaign, offering workshops and meetings with contractors to change the safety culture. “We publicise examples of good practice in our workshops and reward these contractors.”

Empowering safety officers

Mohammed Farid Ahmad, HSE manager, Dubai Creative Clusters Authority (DCCA) spoke about the efforts of the Authority to support, empower and improve the competence of safety officers within its jurisdiction. (DCCA regulates the planning and construction of projects in a free zone comprising nine clusters of creative and knowledge-based industries).

The lack of competence of safety officers working on construction projects is a huge challenge facing the industry, he said. “Without competence there is no point in talking about health and safety. Health and safety professionals play a vital role in advising the leadership and management. The question is, are they really competent enough to take on the roles and responsibilities? Many HSE officers don’t have the qualifications and experience and are not competent. If these people are not competent, there is a big question mark over health and safety standards.”

The DCCA has introduced a mandatory policy that all construction projects must have competent health and safety practitioner who are required to register with the authority, through a documented and stringent registration process. In this it refers to federal regulations as well as local regulations requiring the appointment of health and safety officers with the appropriate qualifications, experience and skills, and defining their roles and responsibilities.

“Where it comes to enforcement there are gaps. We want to fill those gaps.”

The DCCA also has its own health and safety and

environment regulations which are specific to construction.

All applicants are carefully vetted and interviewed to ensure they meet the criteria, involving a complete review and quality control process. If they do not meet the criteria, they are rejected and advised to undergo further training. Details are updated so the authority knows how many safety officers are working in its jurisdiction and on which projects.

Once registered, safety officers are required to undergo further comprehensive training with the authority.

“Health and safety officers often do not have any job description or definition of their responsibilities,” said Ahmad. “We educate them about the importance of health and safety, their roles and responsibilities, how they can save people’s lives, what powers they have, and how to get further information. We want to engage with the industry, and involve all stakeholders. This is a wonderful platform where there is complete engagement with health and safety officers.”

One of the fundamental requirements for safety officers is to report to and keep in touch with the authority.

“All safety officers and health and safety professionals working on construction projects need to directly report to the authority in the case of any imminent incident, any unsafe action or condition, or if management is not listening to them. It is a two-way communication process, we are here to understand their challenges and try to help them....we want to raise the bar when it comes to the empowerment of health and safety officers.”

Safety officers are encouraged and supported to take authority and to stop activity in the case of unsafe practices, for example.

The authority’s mobile application allows safety officers to report directly to the authority from the construction site, allowing the authority to monitor safety officer and project performance, and protecting the safety officer from legal consequences that might arise from a lack of documentation.

“If serious imminent danger is reported to us, immediately it will alert our system and our inspectors will carry out an inspection. The health and safety officer has to report through this application what action has been recommended to management and what action taken, and whether these unsafe actions or conditions have been stopped or not. So everything is documented, from the safety officer’s registration to his performance.”

Every project has to submit a comprehensive monthly performance report, so complete information is in the Authority’s system, from masterplanning to completion.

These initiatives have resulted in a big increase in voluntary compliance, said Ahmad.

“We have achieved phenomenal standards across our jurisdiction, because people are made accountable for their actions. Our objective is to have competent people who add value to health and safety in terms of advising management, in order to comply with the legal requirements, prevent accidents, save lives and damage to property and reputation, so Dubai can be seen to have the highest safety standards,” Ahmad concluded. ❖

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Tackling the cyber threat

Strategies to combat complex cyber and critical infrastructure security threats were the focus of a session at the ADIPEC Security in Energy conference in November.

“Attackers are three times more successful in compromising energy companies than they are in the financial sector”

Ibrahim Al Shamrani, executive director of operations, National Cyber Security Center, Saudi Arabia

The oil and gas sector is particularly susceptible to cyber attack. (Image credit: Qiulu Song)

In an opening address to delegates, Ibrahim Al Shamrani, executive director of operations at Saudi Arabia’s National Cyber Security Center, said 300 new malware samples were being discovered each day, and that his organisation was facing a growing number of attacks on the energy industry.

“The energy sector is trending to be the second most targeted sector in the country in 2017, behind the government and ahead of the financial and telecommunications sectors,” Al Shamrani said. “However, attackers are three times more successful in compromising energy companies than they are in the financial sector. In this era, if oil and gas companies think they haven’t been attacked, or even compromised, I can tell them, you are not looking hard enough.”

Recent figures from McAfee estimate the global cost of cyber-

related crime, or illicit activity, is between US\$375bn and US\$550bn per year.

In a keynote address, Don Randall, former head of security and chief information security officer, Bank of England, said “When we look at the types of issues that could affect the oil and gas or energy industries, the three principles are still hacking, phishing, and false identity. It doesn’t matter if you’re in the financial sector, in energy, utilities, the government, or anything else – the cyberattack will be the same, it’s just the consequences that are different.” For those making attacks, the chances of getting caught are low, he added.

“I think we have to be quite radical in how we structure the responsibility and role of those who are there to police cyber activities,” Randall went on, posing the question “Who is policing your IT? Is it the same

person as the one who is managing and maintaining it, and possibly covering it up?”

While the CIO (chief information officer) and CISO (chief information security officer) should work in harmony, the two functions should be independent, he argued, whatever the type of organisation.

New security protocols

In his Bank of England role, Randall helped develop new security protocols, including the creation of a specific Information Security Division, headed by himself as the chief information security officer, reporting directly to the board. That model is now widespread in banking, completely separating the department that runs the IT infrastructure, from the team responsible for recognising and responding to threats.

Randall also advised that companies should have a single



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Confirmed speakers include:

- Arif Mohd Al Janahi
Security Operations & Services Manager
Security Industry Regulatory Agency (SIRA)
- Col. (R) Thafar Maaithah
Security Specialist
Roads and Transport Authority
- Feras Darwich
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Abu Dhabi Sewerage Services Company
- Charles Mallice
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point of intelligence gathering, interpretation and response, and that attention should be given to geopolitical analysis.

He highlighted the need for collaboration and partnership between the public and private sector to tackle the cyber security threat. "Law enforcement bodies can't deal with this on their own, the enforcement agencies need to talk to each other, private companies need to talk to each other." Sharing information is critical, he said, adding "the key word is trust."

Educating staff on cyber and fraud could reduce the risk of fraud by 80 per cent, he said, advising "Share with your staff the basic philosophies and practices."

Cyber security should be a board level concern, he concluded.

Following on from Randall's keynote address, delegates heard from Mohamed Al Jneibi, representing the UAE's Global Defense Centre, Alfio Rapisarda, senior vice president of security, Eni, and Dr. Zhang Jian, chief technology officer, CNPC.

Data security critical

The moderator, Irene Copruz, section head, planning and IT security, Western Region Municipality, said that data security is "very critical" because of the risk of exposure for "billions of dollars worth of information".

"The systems we use for our workers to work remotely are the same systems the hackers are using," she said.

Al Jneibi said the UAE's oil and gas industry was the first priority for cyber security protocols and said the "convergence of both OT



Ibrahim Al Shamrani, executive director of operations at Saudi Arabia's National Cyber Security Center

and IT was our area of concern".

Rapisarda said that he had the "crazy idea" of putting IT and security together because "nobody was looking after why we are attacked or when we are attacked." He said this means of intelligence-gathering has proven to be "very effective, very efficient".

"We are embedded in the system and we are at board level," said Rapisarda, reflecting Randall's comments in regard to ensuring that cyber security leaders are represented at board level for all organisations.

Rapisarda said that without taking into account all considerations, including geopolitical, financial, technical, industrial and environmental factors along with security, operators will only achieve "compliance without being effective". He also advocated

cooperation between private and public sector players rather than "fighting one against the other". He said that this was not an option when dealing with cyber security threats.

Dr. Zhang said that the challenges presented by CNPC working with the UAE were considerable because of ambitious targets, such as 70 per cent oil recovery. One of the main challenges is meeting human resources requirements, according to Dr. Zhang. He stressed the importance of finding the right people and developing a strong talent pool.

"The first step to a more oil and gas-specific set of standards is to establish working groups with oil and gas," said Dr. Zhang. He echoed the sentiments of Randall and Rapisarda when he said that private and public

cooperation was essential.

Referring back to the need for a strong talent pool, Dr. Zhang said that he had found that often government employees are "behind internationally recognised standards and need to catch up".

He added that working in the Middle East present its own challenges because "it is in a unique position geographically" and geopolitical events are a consideration for all cyber security systems.

A risk-based approach with a focus on cooperation and rapid integration was advocated by Dr. Zhang to ensure public and private stakeholders are all engaged.

"Geopolitical instability makes cyber security more complicated," he said. "We always talk with local authorities in countries where we operate." ❖

Safety and sustainability go hand in hand at UL

Image Credit: yellow/Adobe Stock

UL in the Middle East has been at the forefront of quality management and IEC standards training to businesses looking to maintain compliance with international regulations and protect brand reputation.

It is not just certification that UL specialises in; the company's after-service programmes post certification are also most robust. These after-service programmes have won UL the trust of Civil Defence bodies in countries including UAE, Saudi Arabia, Kuwait and Qatar, to name but a few in the region.

ABOVE: When it comes to manufacturing and installation, UL not only helps ensure that wind turbines are in accordance with sustainable standards, but that utmost precautions are taken to see that safety is the top priority

In September 2017, global safety science organisation, UL (Underwriters Laboratories), announced a joint venture with Saudi Arabia-based GCC Lab to strengthen the Middle East's renewable energy infrastructure.

This new collaboration will operate as Gulf Renewables Lab, a UL GCC joint venture and will be based in Dammam, Saudi Arabia, to cater to customers in parts of the Middle East, including Egypt. The joint venture will support the region's renewable energy market by leveraging both parties' resources, knowledge and experience and updating the certification requirements. Moreover, the joint venture company will offer a variety of services related to the renewable industry, such as pre-commissioning tests, construction monitoring services and product testing of solar PV modules, as well as accessories that comply with applicable standards including UL and IEC standards.

Hamid Syed, vice-president

and general manager of UL Middle East, said, "As a safety, security and sustainability company, UL powers all the three areas when it comes to renewable energy."

In an interview with *Health, Safety and Security Review Middle East* during Electricx 2017 in Cairo, Hamid Syed; Santi Parés, business development director for renewable energy EMEA; and Jomy Joseph, regional sales manager – Middle East, explained why UL is the foremost choice in the Middle East for testing and certification of renewable energy infrastructure.

Home to more than half of the world's crude oil and more than a third of its natural gas reserves, the MENA region has systematically opened up the economic opportunities offered by renewable energy, namely solar and wind. According to a recent market report by *BNC Network*, switching to renewables could save the GCC region up to US\$87bn by 2030. In times of

rising electricity demands, factors like oil price decline and removal of subsidies have started to burn holes in many pockets. Therefore, it only makes sense for the region, blessed with ample sunlight and open spaces, to adopt solar and wind power in the energy mix.

It is not just utilities but residential owners as well who are getting involved in the solar set-up, and MENA governments are now setting up regulations and standards that secure safety and sustainability.

According to Parés, the region is made up of varied environmental conditions as well as safety cultures, and the role of UL is to bring together governments, installers and banks, provide them with training and support, and help them develop their renewable energy goal. "Safety is part of our core business, it is our vision."

Joseph says, "In this part of the world, most governments have recently come up with regulations

for solar PV projects. The focus, when renewable energy projects started in the region, was on large-scale utility plants; but with the rising oil prices and cuts in subsidies for electricity, home owners are looking at solar energy as the alternate means of power generation. But even now, the installations in homes can be done only by companies who are approved by state-owned utilities. UL works with those installers to help ensure that the home installations meet safety requirements recommended by the regulatory authorities and utilities.”

Syed adds that it is a bit tricky to work on testing and standards for PV panels, since extreme climatic conditions are at play in the region. As part of its offerings, UL provides extensive test programmes on PV panels as well as support for customers to get the engineering input when they need it. UL also works to identify potential noncompliance issues early in the process to help avoid costly late-stage remediation and possible go-to-market delays.

Solar is not the only form of renewable energy in the MENA region. More and more wind projects are being tendered in countries like Morocco and Jordan. Parés, an expert on wind turbine standards, adds that standards with regards to wind turbine manufacturing and installation are very high across the globe. UL fulfils the criteria by correctly verifying the running condition of the wind turbine, and invests in studies to prevent failures as well as extend the expected lifecycle of the predicted 20 years.

To this, Syed states that UL has all the capabilities to ensure that turbines run according to the



Image Credit: UL

Hamid Syed is the vice-president and general manager at UL

safety parameters and as per IEC standards.

When it comes to manufacturing and installation, UL not only helps ensure that PV panels and wind turbines are in accordance with sustainable standards, but that utmost precautions are taken to see that safety is the top priority.

On 4 December 2017, the long-term effort to harmonise PV module safety and construction standards came to a close with the publication of UL 61730-1 and UL 61730-2. The new standard involves updates in IEC 61730, published in August 2016, as the basis for harmonisation with UL 1703, and resulted in UL 61730-1 and UL 61730-2. Advances in materials, increasing system voltages and innovative designs are addressed with new and updated construction and testing requirements. The new PV module standard further enables reduction in cost, increases performance and broadens access to markets with continued confidence in their safe operation.

Dubai is no stranger to fire

accidents, and recent incidents in high-rises are of particular concern to developers and manufacturers alike. Joseph points out, “In the wake of increasing fire incidents in Dubai, there was a need to revise the UAE Life & Fire Safety Code, which came into effect late 2017. There is a mandate by Dubai Civil Defence that building materials manufacturers test and certify their products according to the latest provisions of the code. This work is what UL is involved with in the UAE. UL is also the leader in testing and certification of building materials worldwide, and has some of most advanced laboratories in the world testing and certifying all aspects of building materials safety, including cladding and facades.”

It is not just certification that UL specialises in; the company’s after-service programmes post certification are also most robust. Syed mentions that these after-service programmes have won UL the trust of Civil Defence bodies in countries including the UAE, Saudi Arabia,

Kuwait and Qatar, to name but a few in the region.

“UL helps to ensure that building materials that are submitted for testing and certification are being manufactured to meet the criteria of the standards against which they are being tested. We also do a market surveillance, which means that the UL certified materials are picked off the shelves and tested as a follow-up service to maintain repeatability and reproducibility (R&R) that no other certification body does anywhere in the world. UL invests heavily in training its engineers to ensure standards are maintained.”

UL also provides training to firefighters on buildings that include solar installations. Building integrated photovoltaic (BiPV) is rapidly growing in the GCC region. UL’s services in this area include pre-commissioning tests, construction monitoring services and product testing of solar PV modules, including accessories that comply with UL and IEC standards.

“In Dubai, as we know, the standards for such buildings are being incorporated within the UAE Life & Fire Safety Codes. We educate the firefighters on how to access such installations and extinguish fire in a safer manner.”

Syed reiterated that when it comes to the renewables sector, UL’s service portfolio is very comprehensive and includes offerings for performance, safety and transaction security.

The US-headquartered organisation has come a long way in the Middle East region since the opening of its first GCC-based safety test laboratory in Abu Dhabi to test electrical equipment. ♦

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Image Credit: VOLKAN

Bringing firefighting technologies to the Middle East

Tutku Ağsakal, international sales and marketing manager at VOLKAN, discusses prospects for the company's business in the Middle East.

“With our new team, we aim to play a more active and aggressive role in foreign markets”

The LION ARFF vehicle

Strengthening commercial relations with the Middle East and positive economic developments have turned the region into an attractive market for Turkish companies. Investors and exporters are playing a more active role in that market, which is located in close proximity to our country. It is clear that the Middle East has opened its gates wide open to Turkish industry, and trade between Turkey and the region is increasing day by day. With political, cultural and economic developments, as well as the readiness and dynamism of Turkish companies, Turkey is an example for the Middle East.

Founded in 1974, VOLKAN, which specialises in firefighting technologies and is one of Turkey's leading companies, has won recognition in Turkey. We are looking to develop our business with major Middle East markets such as Iran, Iraq, UAE, Kuwait, Oman, Saudi Arabia and Qatar. We have supported our international sales and marketing team with new

and dynamic members to increase our activities in the Middle East and in other international markets. With our new team, we aim to play a more active role in foreign markets, attending exhibitions in the region, listening to the needs of users and producing solutions for their problems.

Our leading products are LION Aircraft Rescue Fire Fighting Vehicles (ARFF) and Aerial Ladder Fire Fighting Vehicles. Totally different from other manufactured fire fighting vehicles, the LION ARFF family of vehicles is designed by engineers at VOLKAN and is mounted on a VOLKAN chassis. LION ARFF, which is currently being used in a number of airports, is attracting great interest in foreign markets too. The structure of this vehicle, which is available in many variations, makes it possible for it to be easily adapted to the needs of the customer. Furthermore, our Aerial Ladder Fire Fighting Vehicles set us apart from other companies; VOLKAN is one of the three pioneering companies in the

world to supply Aerial Ladder Fire Fighting Vehicles which can access 55 metres in height. Additionally, VOLKAN manufactures complementary components for firefighting vehicles, which makes it a preferred manufacturer for end users.

We established the VOLKAN Research and Development Centre in 2015, being aware of the significance of technology and innovation. With approximately 30 engineers, we have many research projects underway in order to develop rapid and effective firefighting technologies. We are also co-operating with universities in Turkey with the aim of keeping both VOLKAN and the new generation up to speed with the new age of technology.

I believe the secret of our success is our high quality products which offer the same quality as European products at a lower price. Also, given the geographical location of Turkey, after-sales services can be provided in a quick and effective manner. ❖

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Why safety has to take a seat at the boardroom table

Daryl Wake, behavioural safety expert, DEKRA Organisational Reliability Ltd, discusses what safety leaders need to do to give safety a 'seat at the table'.

“Safety still largely acts and moves like a non-strategic function.”

Safety needs to have a 'seat at the table' whenever strategy is set

Safety in the oil and gas industry is something no organisation can ignore or dismiss as unimportant anymore. It is no secret that safety is an integral part of any oil and gas company. We know that organisations that are better at safety tend to perform better in other business functions. We also know that safety needs to have a 'seat at the table' whenever strategy is set, including the boardroom. But aside from a handful of progressive organisations, that 'seat' isn't occupied. Why not?

It is not a matter of making a case for why safety should be present in the boardroom. Many have done so and the case is compelling. The real reason is that despite recognising its value to the business, safety still largely acts and moves like a non-strategic function. For example, many organisations have not

learned to translate safety into terms recognisable to a board, or how to map out a career path for a safety expert beyond regulatory management. In order to get a seat at the table, there are several critical things safety leaders need to do:

Talk about safety as a board-level issue

Many HSSE professionals are not having the safety discussion at the highest levels because they do not know how to. Historically, the language of safety – what we talk about and how – has been tactical. This is suitable for when safety is being run in the day-to-day business, but not for integrating safety within the core of an organisation. Boards are concerned with risks to the organisation, and leaders must be able to frame safety in terms that adequately articulate those risks.

Therefore, ask yourself: What are the primary organisational risks the board should be concerned about and why? What are the implications to the business if we continue our current level of performance? Are we at risk of having a catastrophic event? What can we learn from great safety organisations?

These types of big picture questions are critical to identifying the right information to put in front of senior leaders. When you emphasise organisational-focused topics over more generic material (eg. presenting the organisation's exposure to serious injuries and fatalities, or the effects of safety on operational performance rather than the latest injury rates) you will find you have a much more substantive discussion.

Adopt or develop a strategic framework

It is not enough to make a compelling case that safety is a board-level issue: You also need

to provide an actionable roadmap. The right framework provides a system for understanding, measuring, and mapping the maturity of every element of the business that drives performance. The framework should answer questions such as: What really drives safety performance? Where are we performing well and where do we need to improve? What would improvement look like? A good framework helps the board track the nature and context of risk, as well as the organisation's progress in mitigating it.

Add safety to your talent strategy

Safety will never truly have a seat at the table as long as executives depend on safety professionals to do all the heavy lifting. Boardrooms and C-Suites need top calibre leaders who can guide the discussion and assure that the risks to the business are adequately understood and addressed.

Organisations must recruit and develop top talent into safety leadership roles, and make safety posts an essential step on the career path for high-potential leaders – in addition to developing leadership skills in its safety professionals. Executives proficient in safety can better position their boards to make decisions that limit risks, create opportunities, and improve both safety and organisational functioning.

Joining the conversation

The executive who leads safety has an obligation to initiate the strategy discussion, not only for the benefit of employees but also for the wellbeing of the enterprise itself. To get there will not be easy. The transition from tactical to strategic takes time and effort to achieve. More significantly, it requires leaders to revisit old assumptions about what safety is and could be. ✦

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Drysuits and how they will help save your life

Hammond Drysuits, which has manufactured a wide range of drysuits for more than 30 years, has some advice on what to look for when considering the options available in the marketplace.

A drysuit can essentially save your life should you find yourself in the water for any length of time. If you can stay warm and dry, then you have

an increased chance of survival. For this reason, drysuits and immersion suits are used by those who are in danger of falling in the water whilst carrying out operations such as air or water transfers onto rigs, and even during everyday work situations on the rig itself.

“If there is a chance you will find yourself in the water, to carry out specific work or through no fault of your own, then you should consider what options are available to you to help keep you safe in this situation,” explains Chris Hammond, managing director of Hammond Drysuits in the UK.

A drysuit is essentially a 100 per cent watertight suit with seals around the neck, wrist and feet (in the form of seals or gloves / boots) to stop any water penetrating through and causing the wearer to get wet. A drysuit that is well cared for can last for many years.

There is an abundance of information and options available, and Hammond explains some important features to look out for when selecting a



“A drysuit that is well cared for can last for many years”

The HDS Pro-Elite drysuit (left) and the SR140F drysuit (right)

drysuit to wear whilst at work. Firstly, what material is it made from? Hammond, for instance use a non-breathable tri-

laminate, which is a reliable, durable material known for its high strength and robustness. There are breathable options available; however if it's durability you require, then these will not last as long. You should consider how the suit is reinforced; the suit is in effect a form of PPE, and therefore it should protect the wearer accordingly, with reinforcement on the areas that are likely to come into regular contact with other surfaces, such as the seat, knees and elbows. Reinforcement here, again prolongs the life of the suit.

The seams, should be strong, robust yet flexible to move with the suit. Hammond choose to

hand tape all seams as years of being in the business has shown they last longer than those which are machine taped. Footwear can also be incorporated into the suit, including steel toe capped boots and midsole boots, which prevent damage to the suit when walking around and also further help maintain the water tightness of the suit. Other options such as latex socks are also available should specific footwear be worn. The safety of the wearer is a priority, and features increasing visibility are available from the choice of colour of the suit, through to reflective stripes.

Hammond believes that one size does not fit all, and before purchasing a new drysuit, it is

important to take time to research the options available. When it comes to sizing, in the winter more layers are worn than in the summer and this should be taken into consideration. Look at the specification; many drysuits are designed with convenience in mind. Look at what comes as standard and what options there are to adapt it to meet your needs, for instance, neoprene seals may be more comfortable against the skin than latex, or front entry maybe more suitable than rear entry if you are likely to be alone when donning the suit.

Hammond takes pride in every drysuit that is made in their workshop in Dartford, Kent.

“Our goal at Hammond is to

make a suit that will last,” comments Hammond. “We have customers who continue to bring their suit in for service 25 years after they first purchased it.”

Hammond Drysuits see themselves as an extended part of your team, and as well as making new drysuits, they maintain the suits through regular servicing and repairs, making sure they will keep you dry and not let you down when you need them most. Hammond are an authorised Ursuit repair centre and pride themselves on their customer service. Speak to the team about how they can work with you. ✦

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A growing global presence

Intersec, the leading global trade and networking event for security, safety and fire protection, is set to celebrate two decades of success when it opens its doors this month in Dubai.

“From humble beginnings, Intersec has developed into a global powerhouse, along with many of the exhibitors that have been with the show from the beginning”

The event will host more than 1,300 exhibitors and 31,000 visitors

The 20th anniversary edition, taking place from 21-23 January at the Dubai International Convention and Exhibition Centre, will feature more than 1,300 exhibitors from 58 countries, while more than 31,000 visitors from 128 countries are expected to attend as they seek the latest solutions across seven show sections of Commercial Security, Fire & Rescue, Safety & Health, Homeland Security & Policing, Perimeter & Physical Security, Cyber Security, and Smart Home & Building Automation.

Occupying 60,000sq m across 13 halls, Intersec 2018 has added

a new Drones Pavilion and indoor Drone Zone, while a Wearable Security Pavilion will put the spotlight on advanced textiles including head-up displays, body cameras, embedded sensors, exo-skeleton communications and more.

From humble beginnings in 1999, when it featured 61 exhibitors from 13 countries, Intersec has developed into a global powerhouse, along with many of the exhibitors that have been with the show from the beginning. NAFFCO is one of 12 exhibitors at Intersec 2018 that participated in the inaugural edition in 1999. Since then, the

UAE-based company has established itself as one of the world's leading suppliers of life and fire safety solutions, with a global network spanning more than 100 countries. NAFFCO will showcase its vast range of UAE-made firefighting equipment, protection systems and vehicles.

Ahmed Pauwels, CEO of Messe Frankfurt Middle East, the organiser of Intersec, said, “Societies, governments and corporates are increasingly pulling out the stops to combat various threats and ensure the security of people, infrastructure, property and information. This has led to a resultant surge in



upswing throughout the region, creating opportunities for suppliers of video surveillance, access control and intrusion detection. The market is expected to grow at a CAGR (2016-2021) of 17 per cent, reaching US\$4.8bn by 2021, says F&S.

Meanwhile, the Middle East fire safety market is expected to be worth US\$4.4bn by 2021, growing at a CAGR of 12.4 per cent between 2016 and 2021, making it one of the largest fire protection markets in the world.

With more than 580 exhibitors, Commercial Security is the largest section at Intersec 2018, with exhibitors including Hikvision, Bosch, Dahua, Assa Abloy, Tyco, FLIR, Hanwha Techwin, Axis Communications, Avigilon, Panasonic, Infinova, IDIS, and Milestone Systems.

Philippe Kubbinga, regional director for the Middle East and Africa at Axis Communications, said, "The Middle East market has continued to grow and we expect a further increase in adoption of the latest IP network solutions in the coming year, with a great focus on smart and innovative technologies."

Peter Strom, president and CEO of March Networks, a leading provider of intelligent IP video solutions, added, "Intersec has played an important role in helping position March Networks as a well-recognised name in the region, and increasing exposure in our target markets. It's very effective at bringing together key decision-makers and we look forward to introducing them to our newest intelligent IP video solutions."

Fire in focus

Fire & Rescue is the next largest section with 400 exhibitors

including NAFFCO, Fike, Honeywell, Hochiki, Oshkosh, and Siemens. Safety & Health and Homeland Security & Policing (both with 100 exhibitors), and Perimeter & Physical Security, Cyber Security, Smart Home & Building Automation (50 exhibitors each) wrap up the dedicated show sections.

Returning features include the Safety Design in Buildings Pavilion in the Fire & Rescue section, as well as an Outdoor Demonstration Zone of the latest fire rescue applications in action.

Led by high-profile international speakers and supported by Dubai Police, the

Dubai Police Academy, the Directorate General of Civil Defence - Dubai, the Security Industry Regulatory Agency (SIRA) and Dubai Municipality, the industry-leading conferences held alongside Intersec 2018 will provide a platform for industry experts to discuss and analyse new developments, innovations, legislation and changing paradigms within the regional safety and security industry.

The conferences cover drones, artificial intelligence, commercial security and fire protection. ✦

More information is available at: www.intersecexpo.com.

demand for the latest safety and security products and solutions."

Significant growth market

Intersec's global presence over the last 20 years coincides with the Middle East region's own rapid rise as a significant growth market for homeland and commercial security and fire protection.

According to analysts Frost & Sullivan (F&S), the Middle East homeland security market, comprising monitoring and surveillance systems, restricted entry systems and perimeter security solutions, is estimated to reach US\$17.05bn by 2021, growing at a compound annual growth rate (CAGR) of 15.6 per cent between 2015 and 2021.

The commercial security market too has witnessed an

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Top technology trends

Johan Paulsson, CTO, Axis Communications forecasts some of the key trends that will have an impact on business and the security industry in 2018.

“The need to balance both cloud computing and edge computing domains will be imperative to deliver refined, reliable and usable data”

As existing technologies reach maturity, unforeseen developments arrive ever more quickly, and innovations make the leap from consumer applications to business (and vice versa) it's imperative that we constantly seek to find those that have the potential to add value to our own business and those of our customers. Let's look ahead to 2018 and the key trends that we think will have an impact on our business and the industry.

1. A move towards the edge

Two trends of recent years that have become familiar – cloud computing and the Internet of Things – have delivered undeniable benefits to businesses and consumers alike. But they also come with implications: namely the huge increase in the amount of data being transferred from connected devices to the data centre for processing and storage, and the associated bandwidth needed. Edge computing alleviates this issue by performing data processing at the 'edge' of the network, near the source of the data. Doing so significantly reduces the bandwidth needed between sensors and devices and the data centre. Anonymising and creating encrypted data within the device at the edge before it is

transferred to the data centre will be a likely response to data security concerns.

As network cameras, audio and other sensors become ever more sophisticated and of higher quality, the need to balance both cloud computing and edge computing domains will be imperative to deliver refined, reliable and usable data.

2. Cloud-to-cloud

Despite the move towards edge computing, cloud computing will still play a significant role in IT infrastructures. As an increasing number of companies offer cloud-based services, the cloud eco system is increasingly becoming the preferred point of integration, rather than the traditional on-premise systems.

One benefit of integration between clouds is a significant potential reduction of in-house IT services required. Further, however, advanced composite services from multiple providers can be created and deployed through rich service APIs, including data analytics, content management, and storage, reducing time-to-market and rapidly increasing scale. Any organisation delivering cloud-based services should be investigating the opportunity for integration with related

services to add value to customers and partners.

3. Deep learning and machine learning

We have now reached a stage whereby the full benefits of deep learning architectures and machine learning can start to be realized: When some of the most impressive demonstrations of the application of deep learning have been related to image interpretation, speech recognition, and decision support, the potential for analytics in the safety and security sector are obvious.

At a relatively basic level, deep learning applications will improve video motion detection, facial recognition individual tracking and suppression of false alarms. It will aid system design, configuration, optimisation and device management. Beyond this, as applications develop, there is significant opportunity for predictive analytics leading to incident prevention: from terrorist incidents to slip and fall accidents; from traffic issues to shoplifting and more.

It is still early days, however. Development is currently fast and unpredictable, and the demands on processing power are massive, but the potential for deep learning, which may ultimately lead to autonomous systems, is huge.

4. Personalisation vs. privacy

One of the potential applications for deep learning could be in the delivery of highly personalised services. Whether motivated by legislation or simply wanting to do the right thing by customers and citizens, balancing increased personalisation with the protection of an individual's data and privacy will be a tightrope all organisations will walk this coming year.

5. Cybersecurity

Once again, cybersecurity must appear on the list of trends for the next 12 months and beyond. The constant enhancement of cybersecurity will be a never-ending task, because well-resourced cybercriminals will never stop looking to exploit vulnerabilities in any new technology. And as the number of connected devices grows exponentially, so too the potential flaws that, if left unaddressed, could provide the opportunity for networks to be breached, ransomware to be planted or, more simply, costly downtime to occur. 2018 will no doubt see more attacks and vulnerabilities exposed. The answer is proactivity and a systematic process for ensuring that patches are implemented as soon as they are available.

6. Platforms to realise the full benefits of IoT

IoT has reached a point where to scale, collect and analyse data, and manage the network of connected devices effectively, it is crucial to use a scalable architecture. There are numerous companies enabling platforms to support IoT devices, and the next year will see further maturation. However, what will also be important for the future will be

new international or de facto standards to enable interoperability between the different IoT platforms, and which will support true vendor-agnostic systems.

7. The blockchain

For many, blockchain and Bitcoin have become synonymous. In reality, they are quite separate and, while Bitcoin uses blockchain as its foundation, the potential for blockchain to verify almost anything that has a value is almost limitless. As an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way, the coming year will start to see blockchain being tested in multiple applications across numerous sectors.

In our industry, given that blockchain enables the authentication of any content, blockchain could be used to verify video content from multiple sources – such as public mobile phones and law enforcement body-worn cameras – for use within forensic investigations. Beyond video data, blockchain could also be used to verify the authenticity of devices connected to the camera network.

8. Breaking down smart city silos

For several years, the increasing number of sensors of different types being placed throughout urban environments are helping to solve specific use cases, from law enforcement to monitoring air quality. As the world's population is increasingly housed in cities, the use of sensors to help create more liveable, sustainable and safe environments will only increase.

However, a true smart city is a vision for urban development

that integrates information, data, communications and Internet of Things (IoT) technology in a secure fashion to manage a city's assets, from transportation systems to emergency services.

Traditionally, most of these individual services have operated in silos, but a city can only truly be 'smart' when all of its data is open and usable across every service. Dealing with urban challenges such as safety and security for citizens, traffic congestion, aging infrastructure, and responses to events such as natural disasters and terrorist attacks, requires coordinated analysis of available data in order to deliver an appropriate and effective response.

9. Non-visual sensors

Until recently, the primary – if not only – data available to surveillance operators was video, which only delivers a two-dimensional perspective. With the use of new, non-visual sensors, this view will become multi-dimensional, providing a richness of data that will enable for more rapid and accurate assessment of situations and, therefore, faster escalation, the activation of an appropriate response and the minimisation of false alarms.

Radar technology, for instance, is not sensitive to the things that normally trigger false alarms – and it can provide detail about any object's exact position and direction of travel. And while thermal imaging is already relatively well-established, advances in the accuracy of sound detection mean that audio will bring another useful input that may be missed in a purely video-based solution.

10. Virtual assistants and augmented reality

The last year has seen significant consumer adoption of virtual assistants such as Amazon Alexa, Google Home, Apple Siri, and Microsoft's Cortana, and forthcoming technologies such as Facebook M will only build on this. It is inevitable that these same technologies will start to find their way into the business environment. Particularly for the providers of any sophisticated or complex technology-based products and services, virtual support in specification, installation, configuration, and management will become more than simply expected; it will become an imperative.

Similarly, augmented reality (AR) is a technology that has largely existed in specific niches to date, such as the military and aviation, but again shows enormous potential in the business arena, particularly now it is available as a technology in mobile devices and in an increasing number of wearables.

One of the obvious opportunities for AR in the business arena is in the installation and maintenance of technological solutions, where visual instructions can be overlaid on the real-world view of technicians to aid them in the work. In specific relation to our own business, with the growing use of non-visual sensors and analytics to add accuracy and further perspectives to visual information, consumers of video surveillance will be using AR to bring these sources of data together in a single view, enabling a more rapid and appropriate response. ❖

Coopers Fire showcases expertise in fire curtains at Intersec Fire Conference and exhibition

FIRE SAFETY

Coopers Fire are proud sponsors of the Fire Conference at Intersec, and are also speaking at the event on the subject of fire curtains in modern architecture.

Automatically deployable fire curtains or drop down fire curtains can solve a number of differing safety problems relating to the spread of a fire, as they can be designed, installed and function harmoniously with modern architectural design, says the company.

With changes in all aspects of design, particularly architecture, safety measures can be compromised as a design limitation. This is particularly prevalent for fire safety, where open plan areas, lack of compartmentation



Coopers fire and smoke curtains are used to protect Dubai Festival City Mall

Image Credit: Coopers Fire

and emergency exit routes can be overlooked.

Together with the advancements in modern engineering, the development of a flexible and effective solution was created as a fire curtain, a non-intrusive and seamlessly integrated fire safety method.

The drop down fire curtains are compact and are usually installed into the ceiling – deploying at the first signs of a fire via Coopers Fire Total Gravity Fail Safe System. After the curtains are released they are able to protect against the spread of fire and smoke for up to four hours, controlling the fire in order to assist emergency services to fight the fire before major structural damage and danger to life is posed.

For over 30 years, Coopers fire and smoke curtains have been trusted to protect the world's most iconic buildings, including Dubai Festival City Mall. Visit their stand (Hall 4, A38) to find out more about its BS 8524 fully compliant products and the fire curtain requirements for your project.

STI to exhibit products for protection of fire and security equipment

FIRE SAFETY AND SECURITY

Safety Technology International (STI), which manufactures an extensive and unique range of fire, safety and security products designed to protect critically important fire and security equipment from misuse, will be exhibiting at Intersec on stand 4B30.

On display will be the range of UL and EN54 listed products. These include the new UL Global ReSet; STI now offer a global installation solution with the EN54 and the UL Listed Resettable Call Point range. Unique

in their design, the call points mimic the feel of breaking glass whilst offering the user the benefits and environmental advantages of a resettable operating element. Once activated, a quick turn of the key will reset the call point ready to use again, with no broken parts to replace. Available in a variety of colours, these are suitable for many applications.

Other products on display include the renowned Stopper II, an audible polycarbonate protective cover designed to retrofit over manual pull stations or call

points, along with the range of indoor and outdoor protective covers, ideal solutions to protect vulnerable call points and pull stations.

Also within the Stopper line are alarm devices for fire extinguishers and fire doors, as well as a comprehensive range of protective heavy duty steel cages, push buttons and key switches.

For further information on all products, visit www.sti-emea.com.

STI will be exhibiting products designed to protect fire and security equipment from misuse



Image Credit: STI

Axis Communications to highlight smart cities, retail and critical infrastructure solutions

NETWORK VIDEO

Axis Communications, the global market leader in network video, is returning as gold sponsor and exhibitor during Intersec 2018.

Axis will showcase the recently launched AXIS D2050-VE network radar detector, AXIS Q86 thermal network cameras, AXIS Q87 bispectral PTZ (Pan-Tilt-Zoom) network cameras along with the 2N Sip Mic. Axis will also demonstrate solutions across retail, critical infrastructure, smart cities, along with access control as part of integrated solutions and Internet of Security Things. The company's long-term commitment towards cybersecurity and sustainability will also be on display across all solutions.

Philippe Kubbinga, regional director - Middle East & Africa, Axis Communications said, "Intersec is a very important event for us to showcase the latest advancements from Axis across products and solutions, demonstrate our strengths across key verticals with our partners and network with industry professionals. The Middle East market has continued to grow, and we expect a further increase in adoption of the latest IP network solutions in the

coming years, with a great focus on smart and innovative technologies."

Axis will also have two key partners on the stand: DEDrone with their anti-drone solutions, and Quanergy demonstrating LiDAR sensors and smart sensing solutions.

DEDrone is a market and technology leader in airspace security. DEDrone's proprietary software, DroneTracker, is fully compatible with the suite of Axis cameras and sensors. By enabling Axis cameras to use DroneTracker, existing Axis customers will have a quickly

accessible and complete aerial security system.

Quanergy will demonstrate a first-of-its-kind security solution for intruder detection and surveillance automation. The demonstration will integrate Quanergy's Q-Guard™ security technology with Axis Communications' PTZ camera, and will showcase an intrusion detection and perimeter fencing solution powered by a Quanergy

LiDAR sensor allowing for real-time detection, tracking, and counting, using 3D point clouds and colour video. The system uses LiDAR to quickly detect and classify a human intruding into a secure area, and follow that unique subject with a video security camera throughout a designated area.

Axis Communications will be located at stand S1-H12.



The AXIS Q87 bispectral PTZ network camera

Image Credit: Axis Communications

RUDOLF UHLEN GmbH *Aschua*

Face protection for every application

Rudolf Uhlen GmbH is a manufacturer of personal protective equipment (PPE) for face protection. Especially for the steel and foundry industry we provide special solutions in the field of IR-protection. We produce:

- Visor carriers
- PC-visors
- Gold-coated visors
- Head gears
- Mesh visors
- Electric arc protection






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January 21 – 23, 2018
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RUDOLF UHLEN GmbH
Am Höfgen 13 - 42781 Haan
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info@aschua-uhlen.de



Pelican Products showcases latest safety lighting products

SAFETY LIGHTING

Pelican™ Products, a global leader in the design and manufacture of advanced portable lighting, will offer a selection of more than 60 lights with European ATEX certification and USA safety approvals at Intersec (Hall 3 Stand 3-D30).

The new 9455Z0 RALS is ideal for working in high-risk industries, with three global safety certifications: the European ATEX Zone 0 (Cat. 1), IECEx ia and North American CI, D1. It is a compact 7.3 kg portable area lighting system, easy to hand carry and to set up. Its powerful LEDs radiate up to 1,600 lumens in high with a run time up to 10 hours. Powered by a maintenance-free rechargeable battery, the system offers a wide beam spread of 125° of clean energy that illuminates the entire area, preventing workplace injuries. It features a telescoping mast that extends to 80 cm, a 360° articulating light array and a wide handle for easy gloved grip and transport.

The 3315RZ0-RA (Right Angle) ATEX LED rechargeable torch is powered by a special designed lithium rechargeable battery that provides a life expectancy of over 2,000 cycles, four times more than the 500 cycles that batteries usually last. With three lighting modes (high/low/flashing), it shines up to 132 lumens of brilliant light and delivers a run time up to 34 hours in a small compact design. Equipped with a right angle adapter with clip that provides hands free lighting, it allows the torch head to articulate, directing the light where needed.

Certified to ATEX Zone 0 (Category 1), the 3715Z0 right angle torch features downcast LEDs for illuminating your path, with 189 lumens (high) and 90 lumens (low), and a



The 9455Z0 safety light

flashing mode. Its built-in battery life indicator shows the light's battery level at every moment. Compact, rugged, and lightweight, the 3715Z0 LED light contains the latest technology available.

Pelican's products are used by professionals working in the oil and gas, fire and rescue, mining and other high-risk industries.

Image Credit: Pelican Products

Rudolf Uhlen GmbH - specialists in visors and face protection

Face protection

Rudolf Uhlen GmbH, located in Haan, Germany, is a manufacturer of personal protective equipment (PPE) for face protection. Besides the standard face shields for heavy industries, the company specialises in heat protection visors, producing gold-coated visors for infrared (IR) protection as well as mesh visors for all kinds of applications in the steel industry. Another field is protection against electric arcs. Rudolf Uhlen manufactures various visors to provide the optimal protection for electrical workers. The company's product



Rudolf Uhlen products protect workers in a variety of industrial environments.

range also includes hard hat brackets, headgear and welding goggles.

As a specialist, Rudolf Uhlen is able to produce visors in accordance with its customers'

individual requirements, and provides solutions for the various safety requirements of special work environments. Customers benefit from the company's many years of experience in all areas of

face protection.

For further information call +49 2129 1444 or visit www.aschua-uhlen.de. The company is exhibiting at Intersec in Hall 7, stand G38.

Image Credit: Stocked House Studio/Adobe Stock

'Vulnerable' infrastructure pushing Middle East's homeland security sector

The demand is high for integrated solutions, with regional governments prioritising public safety and security of critical assets.

“Internal police forces and public infrastructure projects, including street utilities, public car parking, stadiums, roads and buildings, will create a huge demand for security.”

Ahmed Pauwels, CEO, Messe Frankfurt Middle East

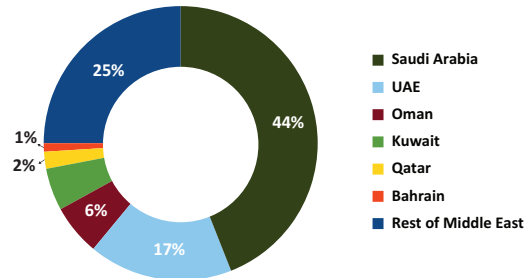
The Middle East homeland security market is on course for significant growth over the next five years, with revenues more than doubling in value from an estimated US\$9.6bn in 2017 to US\$19.7bn by 2022, a new research has revealed.

According to analysts Frost & Sullivan (F&S), the regional homeland security market comprising monitoring and surveillance systems, restricted entry systems, and perimeter security solutions, will grow annually by 15.5 per cent between 2017 and 2022, fuelled by security investments in major infrastructure projects and the ongoing expansion in the construction industry.

The growth is particularly evident in the Gulf Cooperation Council (GCC), as governments prepare to bolster internal security measures in preparation for large-scale global events such as the Expo 2020 Dubai and 2022 FIFA World Cup in Qatar.

Saudi Arabia and the UAE

Middle East Homeland Security Market: Percent Revenue by Country, 2017



Middle East Homeland Security Market by Product Segment, 2017

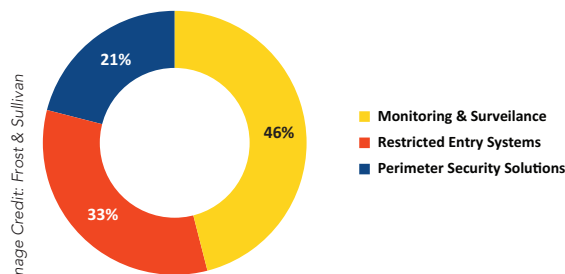


Image Credit: Frost & Sullivan

dominate the regional market according to the survey, with the former holding a 44 per cent share of revenue in 2017 (US\$4.3bn), followed by the UAE with a 16.6 per cent share (US\$1.6bn).

Monitoring and surveillance will account for the largest share of the Middle East homeland security market, and is estimated to grow at a compound annual growth rate (CAGR) of 16.5 per cent to reach US\$9.5bn by 2022, from US\$4.4bn in 2017.

F&S added that upcoming stadiums in Qatar for 2022 World Cup and public transportation projects are also set to boost the Middle East homeland security market's restricted entry systems segment from US\$3.14bn in 2017 to US\$6.18bn in 2022, growing at a CAGR of 14.5 per cent.

In Saudi Arabia, backed by several cultural and political infrastructure projects, perimeter security solutions will also double in size, growing at a CAGR of 14.8 per cent, from US\$2bn in 2017 to US\$4bn in 2022.

“Vulnerability of large infrastructure has

been a matter of concern for Middle East governments, prompting investment toward enhancing homeland security,” said Ahmed Pauwels, CEO of Intersec’s organiser Messe Frankfurt Middle East.

“For its part, Intersec has served as an unmatched business facilitator and networking platform for the international safety and security community for the last two decades,” he added. ♦

MENA political and security risk

Control Risks, the global risk consultancy, warns that businesses in 2018 will continue to face profound uncertainty because of the increasingly personalised and assertive style of national leaders who pursue more aggressive and more transactional diplomacy, increasing the risk of miscalculation.

“Successful long-term investment in the region will remain dependent on robust scenario planning and continuous risk monitoring.”

The forecast comes in Control Risks’ annual RiskMap, a political and security risk forecast for business leaders and policymakers across the world.

Andreas Carleton-Smith, CEO of Control Risks Middle East, said, “While the global economy is set to reach its highest growth levels since the crisis of 2008, the global and regional political order is being reshaped by assertive national leaders and more transactional diplomacy.”

“Globally, this will manifest itself most potently in the nuclear brinkmanship between the US and North Korea, as well as in the multiple trade negotiations around NAFTA, Brexit and the role of the WTO.”

“Regionally, this emerging new global order (or lack thereof) will increase the risk of miscalculation and the range of possible outcomes, whether we’re looking at conflicts in Syria, Libya or Yemen, the fate of the nuclear deal with Iran, or the chances of implementing a two-state solution for Israel and the Palestinian Territories.”

“Under such geopolitical

volatility, successful long-term investment in the region will remain dependent on robust scenario planning and continuous risk monitoring.”

Control Risks has identified five key drivers of geopolitical risk to organisations in the Middle East in 2018:

The rise of Russia and China as regional players – The USA’s role in the Middle East has gradually changed from being the undisputed arbiter to an actor that is occasionally absent, sometimes partial and, most importantly, unreliable in the eyes of its partners. Russia and, to a lesser extent, China, are positioning themselves as the alternative powerbrokers in the Middle East, and their initiatives and resolve to participate in regional affairs in 2018 is redefining the geopolitical and commercial playing field.

Asia and Europe’s commitment to the JCPOA – The nuclear deal with Iran has come under pressure in the face of US President Trump’s anti-Iran policies. The deal will come

under threat again and again in 2018 in the context of multiple regional rivalries, from Lebanon and Iraq to Syria and Yemen, where Iran is supporting groups that are at odds with US interests. The deal’s fate will depend on the commitment of European and Asian governments and their willingness to lobby the US government to defend the agreement. A breakdown of the deal remains unlikely, but would have serious consequences for the stability of the Middle East.

Rising tensions in the Levant – Political dynamics in the Levant region will continue to be a driver of instability for the wider region in 2018, while political and reputational risks will affect the largest business opportunities, including Lebanon’s gas development, and Iraq and Syria’s reconstruction. The slowing down of the war in Syria will test Israel’s tolerance of Hizbollah’s activities at its northern border and may trigger a pre-emptive strike against militant groups in southern Lebanon. The USA’s recognition of Jerusalem as Israel’s capital

RiskMap 2018 Middle East and North Africa

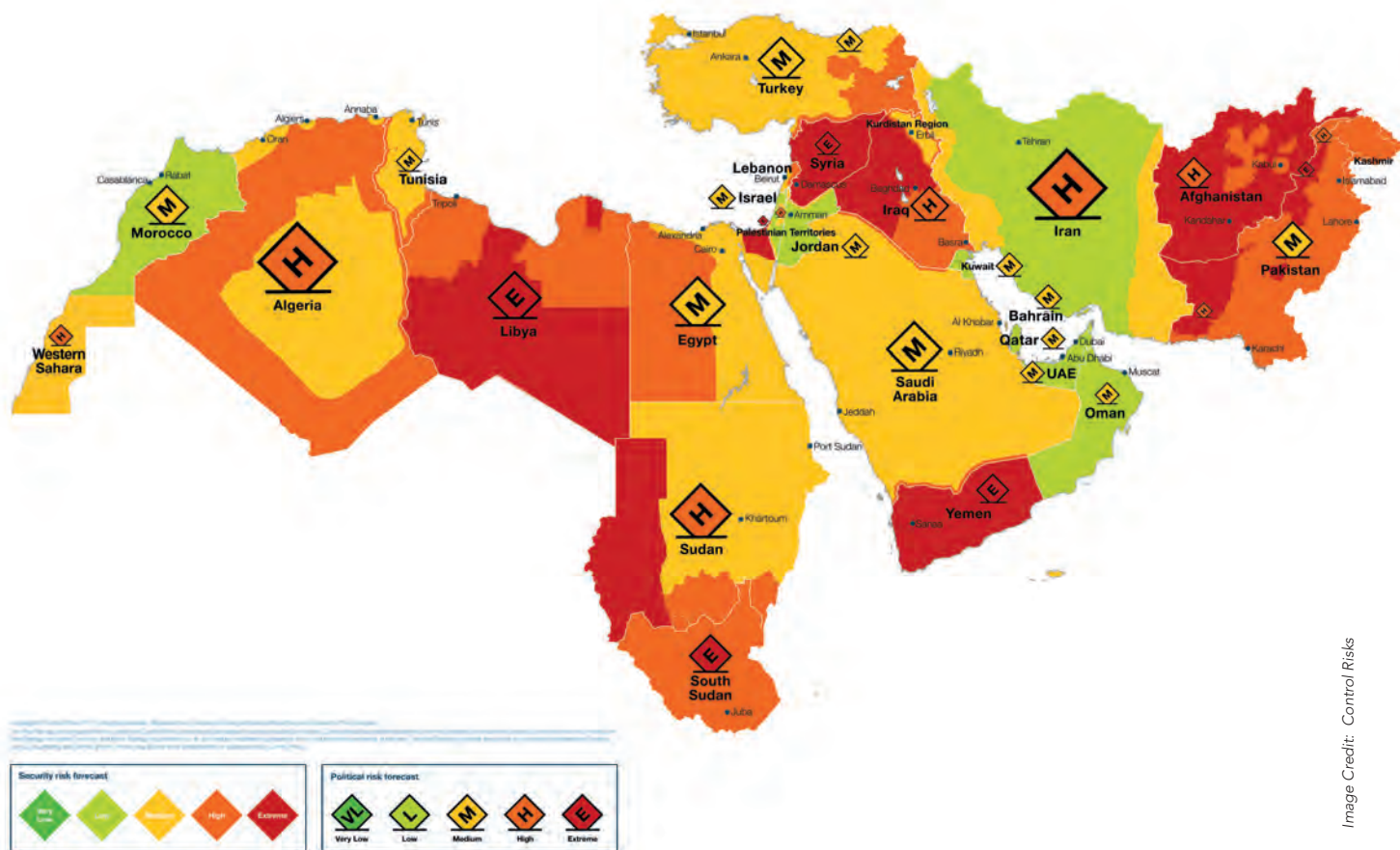


Image Credit: Control Risks

Governments in the region will embark on a competition to liberalise their business environments and labour markets

also raises the prospect of political violence, though its significance is more symbolic than substantive. A two-state solution is nowhere in sight. Meanwhile, tensions between the USA and Turkey are also likely to persist, as the end of the fight against IS will shine a spotlight on the status of the Kurdish enclaves in northern Syria.

Regulatory competition in the Gulf – As the global economy gains strength in 2018 and the oil price continues to recover slowly, sustainable economic growth in the Gulf states’ economies

depends on economic diversification and regulatory reform. In a bid to attract companies and people who can provide the knowledge transfer, capacity-building and technology required for such a transformation, governments in the region will embark on a competition to liberalise their business environments and labour markets, which will create regulatory unpredictability in the short term but improve business fundamentals in the longer term.

Succession – The question of succession in Algeria, Iran and

Oman will not dissipate until a leadership change occurs. If anything, the regional rivalry between Iran and Saudi Arabia, the changing role of the USA, Russia and China, and these countries’ aggressive regulatory agendas increase the range of possible outcomes for succession processes in these countries. Organisations need to prepare for different scenarios and engage strategically with their local stakeholders to ensure that their businesses remain resilient, irrespective of the outcome of succession. ❖

Armstrong Fluid Technology launches new high efficiency fire pump models

Fire safety

Armstrong Fluid Technology will debut two new high-efficiency fire pump models at Intersec 2018, and specialists will be on hand at stand H34 Hall 2 to discuss the full range of Armstrong fire protection solutions.

The new additions to the Armstrong Fireset™ Horizontal Split Case (HSC) product line offer superior flow performance and incorporate numerous features for ease of installation and maintenance. The new 5x4x17F and 6x5x12F fire pump models are ideal for installations requiring between

500 and 1,000 USgpm and are compatible with both electric motors (50Hz and 60Hz) and diesel engine-drivers.

The flow performance of each model in the Armstrong Fireset™ pump range is enhanced by its tilted parting design. The casing of each pump is split at a 15 degrees angle, to minimise turbulence at the impeller eye and maximise efficiency. The pumps also feature double suction design for superior levels of operating performance.

The new pump models are also designed for maximum flexibility and ease of installation. The compact dimensions of the pumps save space in the

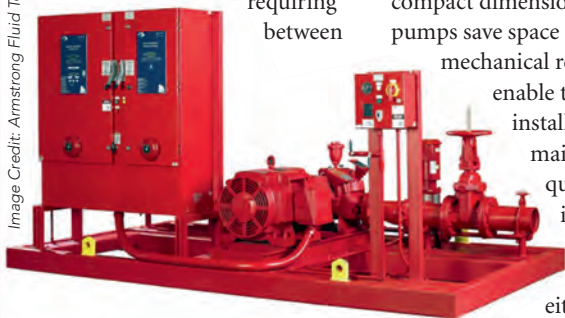
mechanical room and enable them to be installed and maintained more quickly and easily in confined areas. The option of either right or left hand configuration (with electric-driven

pumps) provides greater flexibility to suit piping configurations and, as the suction and discharge centerlines are fully aligned, piping can be completed prior to pump delivery.

The new Fireset™ pump models also incorporate standard common parts (for example standard packing and glands) for fast and cost-effective routine maintenance throughout their lifecycles.

In addition to introducing exhibition visitors to the new Fireset™ pump models, specialists from Armstrong Fluid Technology will be on hand throughout the exhibition to discuss the complete portfolio of Armstrong fire protection products. Solutions for fire safety have been a key focus for Armstrong since 1975. The company's service to the industry includes long-standing memberships with AFSA, NFPA and LPCB (UK) as well as participation in numerous committees and boards.

Image Credit: Armstrong Fluid Technology



The new pump models are designed for maximum flexibility and ease of installation.

FFE launches new beam detector

Smoke detection

FFE will display its new fire detector, the Fireray One, at stand 4-D32, which opens a new chapter in optical beam smoke detection. The company's previous range of reflective beam detectors require manual alignment, which takes on average ten minutes to set up and align. However, the new detector not only features motorised self-alignment (which takes 60 seconds), but several advanced features that other beam detectors do not have. These include one minute auto-alignment which allows the Fireray One to automatically align itself in 60 seconds once the laser is positioned onto the reflector.

One-person installation, which provides easy installation with no requirement for multiple hands or specialist knowledge, is another feature of this detector. The product also comes with light cancellation technology where high levels of infra-red from either the sun or ambient lighting will not cause the detector to go into false alarm.

Intelligent video systems to usher in next video revolution

Software

Milestone Systems, the open platform company in network video management software (VMS), will celebrate its 10th year at Intersec, exhibiting on stand H28, Sheikh Saeed 1.

In 2018 Milestone Systems is starting a journey towards the next video revolution by taking a deeper look at how intelligent video systems can support people and organisations in making sense of the rapidly increasing influx of data. One way to handle visual data

is to deploy hardware acceleration and machine intelligence systems, to spot issues faster, foresee incidents and identify trends.

“We are entering a new phase in the evolution of business video. The Milestone community is leading this evolution, confirming that true open platform is the only way to an informed future. Intersec is one of the most important security events for Milestone in EMEA. Milestone has participated at Intersec since 2008 and our

team is looking forward to celebrating this Intersec anniversary alongside a number of key partners in the region.”

At the Intersec Middle East Security Conference on 23 January, Christian Ringer, director of Milestone Middle East, Africa & DACH will elaborate further on the topic of creating an intelligent world in the presentation: “Hardware accelerated video content analysis and the Internet of Things – how this works for surveillance.”



KUWAIT HEALTH & SAFETY FORUM 2018

19th March 2018 - Kuwait City, Kuwait

Organised by

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

www.hssreview.me

WORKING TOWARDS A HEALTHIER AND SAFER KUWAIT



HSE Forum Kuwait 2018 is a premier conference highlighting the best practices and challenges. In 2018, the conference will be bringing together experts from all over the world to share new ideas, process improvements, technological advancements, and innovative applications to enhance HSE performance in Kuwait. It also provides a neutral forum where a wide range of perspectives and concerns from a variety of stakeholders can be explored.

The event will attract health, safety, security, environment, and social responsibility leaders and professional working in the international oil, gas and construction sectors from Kuwait. Alongside the conference, the exhibitors will showcase the latest technologies, products, and industry services from around the world

OVERVIEW

BAHRAIN HEALTH & SAFETY FORUM 2018

5th November, 2018 - Manama, Bahrain

HSE Forum- Bahrain will be held on 5th November, 2018 in Bahrain. The event will attract health, safety, security, environment, and social responsibility leaders and professional working in the international oil, gas and construction sectors from Bahrain. Alongside the conference, the exhibitors will showcase the latest technologies, products, and industry services from around the world

4th ANNUAL HEALTH, SAFETY & SECURITY Forum 2018

22nd - 23rd October 2018 - Dubai, UAE

Continuing our highly acclaimed annual HSE event series, the **4th Annual Health, Safety & Security Forum 2018** is being held on the 22nd - 23rd October 2018 in Dubai. The forum will provide a platform to promote discussions on critical issues such as emergency preparedness and response, unforeseen hazards, legislation for occupational safety etc. through keynote presentations, interactive panel discussions and delegate Q&A sessions.

The forum, promises to be a roaring success,
providing attendees with a rich networking and learning experience.

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إلى الشهود المعنيين وتأخذ أقوالهم.

• الشرطة لديها صلاحية اعتقال و/أو مصادرة جوازات السفر لأي أفراد تعتبرهم مسؤولين عن الحادث. وهؤلاء، من واقع تجربتنا، غالباً من يشغلون وظائف «مدير الموقع» أو «مدير السلامة» على سبيل المثال.

• سوف تُعد الشرطة تقريراً مبنياً على الأدلة التي تم جمعها في موقع الحادث قبل أن توصي بعدم توجيه التهم لأي شخص، أو بإحالة القضية إلى النائب العام لإجراء المزيد من التحقيقات، وهي الحالة الأكثر شيوعاً. • تتم إحالة الأقوال، التي أخذتها الشرطة في هذه المرحلة، إلى عملية التحقيق الجنائي ويجري استخدامها خلال باقي هذه التحقيقات. ومن ثم يجب السير وفق نهج منسق واستراتيجي منذ البداية.

• في أعقاب الحادث مباشرةً، تسود أجواء محمومة خارجة عن السيطرة وتكون مشحونة بالانفعالات، وهو الأمر الذي يمكن تقديره. وإلى جانب الشرطة، تتواجد غالباً العديد من السلطات الأخرى في الموقع، مثل بلدية دبي و/أو الدفاع المدني.

• ولذلك فمن الحكمة الاتفاق مسبقاً على إجراء لاتخاذها للاستجابة لحالات الطوارئ حتى يكون أفراد فريق العمل على دراية بمهامهم وحقوقهم وواجباتهم في أعقاب الحادث.

• تؤثر الخطوات العملية البسيطة التي يتم اتخاذها خلال هذه المرحلة من عملية التحقيقات الجنائية - بشكل كبير - على النتيجة النهائية. فعلى سبيل المثال، نوصي بتعيين شخص لحضور جميع المقابلات لضمان الإشراف على المعلومات المتوفرة للسلطات.

• يعمل فريق الصحة والسلامة بشركة «كلايد آند كو» بصفة منتظمة مع الشركات لتوفير التدريب بخصوص هذا الجانب من العملية، ولإعداد إجراءات الاستجابة في حالات الطوارئ.

تحقيقات النائب العام

• يستدعي النائب العام من تعتبرهم الشرطة مسؤولين (وأي أفراد آخرين تُعتبر التحقيقات ذات أهمية لهم) للاستجواب.

• يتم الاستجواب بالكامل باللغة العربية. ويمكن طلب حضور المترجمين ويتعين حضورهم عند الحاجة. وبالإضافة إلى ذلك، يمكن للخاضعين للاستجواب

اصطحاب ممثل قانوني وشخص يتحدث العربية، ونحن نرى وجوب ذلك.

• من خلال تجاربنا السابقة، تكون استجوابات النائب العام - بوجه عام - قصيرة نسبياً ويحصل الخاضع للاستجواب على فرصة محدودة نسبياً لتقديم توضيح تفصيلي بشأن الحادث.

• تظهر بعض المشاكل غالباً عند قبول أفراد المسؤولية عن الحادث بدون قصد، أو التكهن بسبب الحادث، أو بمن قد تقع على عاتقه المسؤولية.

• يعد الاستعداد لاستجواب النائب العام ومعرفة ما يمكن توقعه - إذن - أمراً مهماً. ويتعاون فريق الصحة والسلامة بشركة «كلايد آند كو» مع الشركات والأفراد لتقديم الدعم في هذا الصدد.

إجراءات محكمة الجنايات

• إذا اختار النائب العام توجيه الاتهام لشخص بعينه، فستتم إحالة القضية إلى محكمة الجنايات. • هناك ثلاث درجات للتقاضي في دولة الإمارات، وهي المحكمة الابتدائية، ومحكمة الاستئناف ومحكمة النقض (في دبي ورأس الخيمة) أو المحكمة العليا (في جميع الإمارات الأخرى)

• يختلف نظام المحاكم في دولة الإمارات عن ذلك الموجود في الولايات القضائية في البلد الأم للعديد من المغتربين. على سبيل المثال، يتفاجأ المنخرطون في إجراءات المحاكمة بالفرصة المحدودة المتاحة لهم لتقديم الأدلة الشفهية.

• فيما يلي السمات الرئيسية للتقاضي في محاكم الجنايات بدولة الإمارات:

■ تتكون كل درجة من عدد من جلسات الاستماع القصيرة التي يتم إجراؤها باللغة العربية.

■ في حالة عدم توفر الأدلة الشفهية، تتخذ المرافعات الكتابية أهمية كبيرة ويجب أن تلقى محتوياتها اهتماماً بالغاً.

■ إذا كانت المرافعات الكتابية مدعومة بدليل موثق، فيجب ترجمة هذا الدليل إلى اللغة العربية بموجب القانون.

■ قد يتم استدعاء الشهود (يحضر مترجمٌ مُعيّن من قبل المحكمة إذا كان الشاهد لا يتحدث العربية).

■ قد تختار المحكمة تعيين خبير في أية مرحلة.

الملخص

قد يكون للخطوات التي تتخذها الشركة وموظفيها - مباشرةً - في أعقاب حالات الإصابة أو الوفاة في مكان العمل وخلال تحقيقات النائب العام، تأثيرٌ كبيرٌ للغاية على النتيجة أمام محكمة الجنايات. ولهذا يجدر بالشركات الاستعداد للحوادث التي تقع في مكان العمل وتطبيق إجراءات للاستجابة في حالات الطوارئ. ويجب أن تشمل هذه الإجراءات الاتصال بالممثل القانوني المُعين في أسرع وقت ممكن حتى يتسنى اتباع نهج منسق واستراتيجي منذ البداية.

يتم غالباً إعلام فريق الصحة والسلامة بشركة «كلايد آند كو» في مرحلة لاحقة، بمجرد وصول القضية إلى محكمة الجنايات. ولسوء الحظ، ربما يكون قد تم الإدلاء بأقوال و/أو تسليم مستندات معينة يتم استخدامها في النهاية ضد المتهمين في المحكمة.

بطبيعة الحال، قد يكون على بعض الأفراد - في بعض الأحيان - تحمل المسؤولية عن حوادث مكان العمل، وفي مثل هذه الحالات، قد تقع عليهم المسؤولية الجنائية. غير أن عدم الخبرة بإجراءات التحقيقات الجنائية قد يؤدي إلى إسناد المسؤولية في حالات لا ينبغي فيها ذلك، وكان يمكن تفاديها.

تفاصيل إضافية

يوفر فريق الصحة والسلامة بشركة «كلايد آند كو» - بصفة منتظمة - الدعم للشركات خلال إجراءات التحقيقات الجنائية عقب وقوع إصابات أو وفيات في مكان العمل.

يهدف هذا المقال إلى إعطاء بعض التوجيهات العملية الخاصة بهذه الإجراءات وتوصياتنا الخاصة بأفضل الممارسات في هذا الشأن. ولا يهدف - أبداً - إلى أن يكون دليلاً وافياً لإجراءات التحقيقات الجنائية، ولا يجب الاعتماد عليه بوصفه استشارة قانونية. فإذا كنت بحاجة إلى مزيد من التوجيهات الأكثر تفصيلاً في هذا الخصوص، يُرجى الاتصال بفريق الصحة والسلامة بشركة «كلايد آند كو».

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من المهم أن تكون الشركات على استعداد للحوادث في مكان العمل

الإصابات والوفيات في مكان العمل: رؤية قانونية

قدمت شركة المحاماة «كلايد آند كو» الموضوع الأبرز في المنتدى السنوي الثالث للصحة والسلامة والأمن، الذي أُقيم في دبي أكتوبر/تشرين الأول ٢٠١٧. وركزت الجلسة، بشكل رئيسي، على تقديم عرض عملي للاستجابات الذي يجريه النائب العام عقب حدوث إصابة أو حالة وفاة في مكان العمل، وذلك بناء على تجاربه واقعية شهدها شركة المحاماة في هذا الجانب من عملية التحقيقات الجنائية.

وبناء على ذلك استدعى النائب العام مدير المشروع ومشرف الموقع. تم تقديم سيناريوهين بديلين للاستجابات قداماً توضيحاً للدروس المستفادة الرئيسية التالية:

تحقيقات الشرطة

- عدم وجود عملية مُقننة توضح كيف يجب إجراء تحقيقات الشرطة عقب وقوع حادث في مكان العمل. وبوجه عام، تحضر الشرطة إلى موقع الحادث وتتحدث

دبي تحقيقاً واستجواباً لمدير المشروع، الذي لم يكن، في ذلك الوقت، متواجداً في موقع الحادث، فضلاً عن مشرف الموقع الخاص بالمرحلة 2، وتمت إحالة القضية إلى النائب العام. وفي حين حدد المهندس بلدية دبي ثلاثة أسباب لوفاة العامل: وهي أن شركة الإنشاءات لم تمارس الرقابة الإشرافية لضمان عدم دخول الأفراد لمواقع المرحلة 1، وعدم وجود لافتات كافية لمنع الأفراد من دخول منطقة العمل بالموقع، فضلاً عن تراخي الشركة في تطبيق الضوابط المنظمة لعمالها في الموقع.

في إطار السيناريو، دخل عامل بموقع إنشاءات منطقة مغلقة (المرحلة 1) - دون أن تتم ملاحظته - خلال فترة راحته، وذهب لأخذ غفوة في مكان ظليل بجوار نقطة وصول مؤقتة، ولم تكن هذه المنطقة مزودة بلافتات. سقط العامل عبر نقطة الوصول، ولم يكن يرتدي خوذة أو معدات السلامة الواقية لأنه كان في فترة الاستراحة. عثر أفراد الأمن على جثته بعد عدة ساعات. وقد توفي من جراء الإصابة ولم يتم اكتشاف الأمر لمدة ست ساعات. أجرت بلدية دبي وشرطة

تعاون بين اتصالات ديجيتال وسونيك وول في الإمارات



تهدف الشراكة إلى توفير حلول أمنية رقمية للمؤسسات الصغيرة والمتوسطة

أعلنت شركة سونيك وول، الشريك الأمني الذي يعمل على حماية أكثر من مليون شبكة في جميع أنحاء العالم، عن عقد شراكة استراتيجية مع شركة اتصالات ديجيتال، وحدة الأعمال التابعة لمجموعة اتصالات، لدفع مسيرة التحول الرقمي في دولة الإمارات. ويهدف هذا التعاون - أساساً - لتوفير حلول أمنية رقمية كاملة للمؤسسات الصغيرة والمتوسطة في جميع أنحاء دولة الإمارات.

وقال بيل كونر، الرئيس والمدير التنفيذي لشركة سونيك وول: «تكمّن مهمتنا في حماية المؤسسات الكبيرة والصغيرة من الهجمات السيبرانية المستمرة التي تحدث في يومنا هذا. وإن شراكتنا مع اتصالات، التي تعتبر إحدى الشركات الرائدة عالمياً في مجال الأمن الرقمي، تضمن توفير حلول وخدمات الأمن الرقمي للمؤسسات الصغيرة والمتوسطة في دولة الإمارات. ويأتي هذا التعاون في وقت تتقدم فيه التهديدات ويزداد تعقيدها».

ويقع مقر شركة اتصالات ديجيتال في أبوظبي، وهي الآن الشريك الأمني الأول والموثوق لشركة سونيك وول والتي تقدم حلولاً تكنولوجية لأكثر من 300 ألف مؤسسة صغيرة ومتوسطة في دولة الإمارات. وتعتبر اتصالات ديجيتال إحدى وحدات الأعمال بمجموعة اتصالات. وهي تخدم 140 مليون مشترك عبر 16 دولة في الشرق الأوسط وآسيا وإفريقيا.

من جهته، قال فرانسيسكو سالسيدو، نائب الرئيس الأول بشركة اتصالات ديجيتال: «تعمل شركة اتصالات جنباً إلى جنب مع قطاع المؤسسات الصغيرة والمتوسطة لتزويدها بحلول لمساعدتها على التحول وجلب

الرائجة، إلى الخدمات الخاضعة للإدارة الكاملة. من جانبه، قال كونر: «لسوء الحظ، لا تنظر الجهات التي تشكل التهديدات اليوم إلى حجم الشركة أو المنطقة أو المجال أو الإيرادات. فهؤلاء المجرمون الإلكترونيون يتسمون بطابع استراتيجي في العثور على المؤسسات الضعيفة، ومن بينها المؤسسات الصغيرة والمتوسطة، مما يجعلهم يحصلون على أعلى عائد بأقل تكلفة ممكنة. ولحسن الحظ، فإن الحل الذي توفره اتصالات وسونيك وول مصمم خصيصاً لتحديد مثل هذه الهجمات وإيقافها».

الابتكارات الرقمية إلى أعمالها. ويعد الأمن عنصراً محورياً لمساعدة هذه المؤسسات على إنشاء بنية تحتية متطورة تدعم متطلبات أعمالها المتنامية وتساعد في مجابهة التحديات. وستساعد هذه الشراكة عملاءنا من المؤسسات الصغيرة والمتوسطة في وضع استراتيجية دفاع رقمية قائمة على الاستخبارات تكون مجدية من حيث التكلفة، وتوفر الحماية لأهداف أعمالها المستقبلية».

هذه الشراكة سوف تفسح المجال أمام شركة اتصالات لتوسيع نطاق أعمالها الخاصة بالمؤسسات الصغيرة والمتوسطة من خدمات الإنترنت عالي السرعة والاتصالات

يناير/كانون الثاني ٢٠١٨

21 - 23 المعرض الدولي للسلامة والأمن - إنترسك 2018 دبي

22 - 24 معرض ومنتدى الأمن الوطني مسقط

فبراير/شباط

15 فبراير معرض ومؤتمر الكويت الدولي للصحة والسلامة والبيئة الكويت

مايو/أيار

7 - 8 معرض الشرق الأوسط للأمن الوطني أبوظبي

مفكرة
رجال
الأعمال
2018

الجسم، وأدوات الاستشعار المدمجة، والاتصالات عبر روبوتات الهيكل الخارجي، غير ذلك الكثير. وقال أحمد بولس، الرئيس التنفيذي لشركة ميسي فرانكفورت الشرق الأوسط التي تتولى تنظيم المعرض: «تتجه المجتمعات والحكومات والشركات، بشكل أخذ في التزايد، نحو تذليل جميع العقبات لمكافحة التهديدات المختلفة، وتوفير الأمن للأفراد والبنية التحتية والممتلكات والمعلومات. وينعكس ذلك من خلال الطلب المتزايد على أحدث منتجات وحلول الأمن والسلامة».

ويتزامن حضور معرض إنترسك العالمي، خلال العشرين عاماً الماضية، مع صعود منطقة الشرق الأوسط السريع كسوق تشهد نموا ملحوظا في الطلب على حلول ومنتجات الأمن الوطني والتجاري والحماية من الحرائق. ووفقا لمحللي فروست آند سوليفان، من المتوقع أن يصل حجم سوق الأمن الوطني في الشرق الأوسط، والتي تشمل أنظمة الفحص والمراقبة وأنظمة حظر الدخول وحلول حماية المناطق المحيطة، 17,05 مليار دولار أمريكي بحلول 2021، ليلعب معدل النمو السنوي المركب 15,6 في المائة بين عامي 2015 و2021. وقد شهدت سوق الأمن التجاري أيضا انتعاشا في المنطقة، مما يخلق فرصاً جديدة لموردي مراقبة الفيديو ومراقبة الدخول واكتشاف التسلل. وبحسب تقديرات المحللين في «فروست آند سوليفان»، من المتوقع أن يبلغ معدل النمو السنوي المركب للسوق (2016-2021) 17 في المائة، ويبلغ حجمها 4,82 مليار دولار بحلول 2021. وفي الوقت الحالي، من المتوقع أن يبلغ حجم سوق الحماية من الحرائق في الشرق الأوسط 4,4 مليار دولار أمريكي بحلول 2021، وذلك بمعدل نمو سنوي مركب بنسبة 12,4 في المائة بين عامي 2016 و2021.

وسوف يشهد المعرض هذا العام عودة جناح السلامة في تصميم المباني بقسم الحرائق والإنقاذ. هذا إلى جانب منطقة العروض الحية الخارجية لعرض أحدث تطبيقات الإنقاذ من الحرائق. وسوف يقام أيضا منتدى مؤسسة تنظيم الصناعة الأمنية (سيرا) في دبي ضمن الفعاليات الرئيسية لبرنامج مؤتمرات على مدار ثلاثة أيام، يتم من خلاله الكشف عن آخر التحديثات التي أدخلت على قانون تنظيم الصناعة الأمنية في دبي الذي ينظم إطار عمل الصناعة الأمنية، ويقدم الإرشادات والتوقعات ذات الصلة في الإمارة. تتوفر معلومات أخرى على موقع: www.intersexpo.com.



سيشارك في معرض إنترسك أكثر من 1300 عارض من 58 دولة

معرض «إنترسك» يحتفل بعشرين عاماً من النجاح

من المقرر إقامة الدورة العشرين لمعرض إنترسك، الذي يعد الحدث التجاري والمؤتمني الأكبر في العالم لكافة المعنيين بحلول السلامة والأمن والوقاية من الحرائق، وذلك في الفترة ما بين 21-23 يناير/كانون الثاني 2018، في مركز دبي الدولي للمؤتمرات والمعارض. وسوف يشارك في معرض إنترسك 2018 أكثر من 1300 عارض من 58 دولة، عبر أقسام العروض السبعة وهي: الأمن التجاري، والحرائق والإنقاذ، والسلامة والصحة، والأمن الوطني والشرطة، وأمن المعلومات، والبيوت الذكية وأتمتة المباني. ومن المتوقع أن يجذب أكثر من 31 ألف زائر من 128 دولة.

هذا، ويضيف معرض إنترسك 2018 جناحاً جديداً للطائرات بدون طيار، ومنطقة داخلية للطائرات بدون طيار. هذا فضلا عن جناح خاص بحلول الحماية التي يمكن ارتداؤها لإبراز المنسوجات المتطورة. وهي تشمل لوحات العرض الرئيسية، وكاميرات

تطويرها في العالم. ومن المقرر بدء الإنتاج في هذا المشروع بحلول يناير/كانون الثاني 2019. كما يُنتظر تعزيز إنتاج المصهر السنوي ليصبح 540 ألف طن متري، وتصل طاقته الإنتاجية الكلية إلى 1,5 مليون طن متري.



تعتبر أبا واحدة من أكبر مصاهر الألمنيوم وأكثرها تطوراً في العالم.

أعلنت شركة ألومينيوم البحرين (أبا)، أحد مصاهر الألمنيوم الرائدة في مجال الصحة والسلامة في العالم، عن إنجاز جديد يتمثل في تحقيق خمسة ملايين ساعة عمل دون أية إصابات مُضِيعَة للوقت في مصهر الخط السادس. وفي معرض تعليقه على هذا الإنجاز، قال تيم مري، الرئيس التنفيذي لشركة أبا: «إن تحقيق 5 ملايين ساعة عمل من دون إصابات مُضِيعَة للوقت، يبرهن مجدداً على التزام أبا بتوفير بيئة عمل خالية من الإصابات».

وإني أعرب عن امتناني وتقديري لفريق عمل الخط السادس والمقاولين العاملين بالمشروع على تحقيق هذا الإنجاز المشترك». وتعتبر أبا واحدة من أكبر مصاهر الألمنيوم وأكثرها تطوراً في العالم. وقد تأسست عام 1971 بطاقة إنتاجية تبلغ 120 ألف طن سنوياً. وهي تنتج أكثر من 971 ألف طن متري سنوياً من الألمنيوم فائق الجودة، وتشمل منتجاتها السبائك المعيارية وقوالب الدرفلة وقوالب السحب وسبائك بروبيري والألومينيوم السائل. ويعتبر مشروع خط الصهر السادس للتوسعة لشركة أبا أحد أكبر المنشآت القائمة التي يتم

أبا
تحقق
رقماً
قياسياً
جديداً
في
السلامة

فني هذا العمود ...

أخبار:

- ٤ معرض «إنترسك» يحتفل بعشرين عاماً من النجاح
 ٤ أبا تحقق رقماً قياسياً جديداً في السلامة
 ٥ تعاون بين اتصالات ديجيتال وسونيك وول في الإمارات



تصاريح:

الإصابات والوفيات في مكان العمل: رؤية قانونية

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التطورات: تطورات السوق.

تحليلات: الدفاع المدني، معدات الحماية الشخصية، القفزات الواقية، الأمن.

فعاليات: معرض إنترسك، معرض أدبيك.

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كافة المعلومات في هذه المطبوعة كانت صحيحة عند وقت الطبع.

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DRIVER FATIGUE MONITOR



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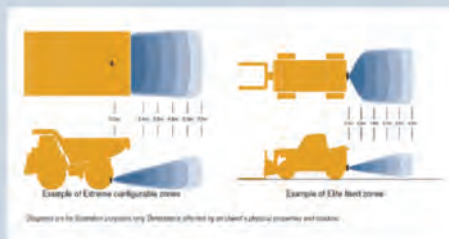
TAG-BASED PROXIMITY WARNING & ALERT SENSOR



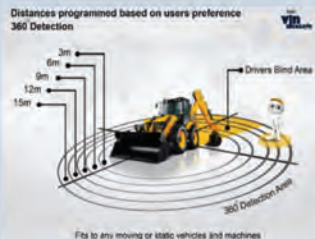
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العدد الأول 2018

الشرق الأوسط

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دليل عملي لإجراء التحقيقات الجنائية في دولة الإمارات العربية المتحدة

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