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# Health, Safety & Security Review

## Middle East

VOLUME 6 | ISSUE 2 2020

## THE LATEST IN SAFETY FOOTWEAR



### INSIDE...

Security Buyers' Guide  
Respiratory protection  
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## Three cooling options, only with the Hughes Emergency Tank Shower » Deliver tepid water first time, every time

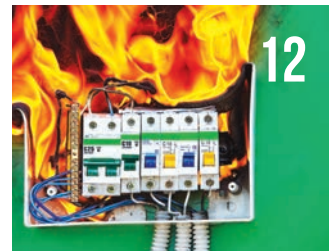
The effects of solar radiation experienced in the Middle East can make the provision of tepid water to emergency safety showers a challenge. Water outside of the tepid range (16-38C) can scald a casualty and injure them further. Hughes emergency tank showers are available with a choice of 3 cooling options, all retrofittable to existing units. The latest addition to the range, the Hughes Zero Power Cooler® requires no electricity or maintenance making it ideal for even the most remote locations. Learn more at [www.hughes-safety.com/zero-power](http://www.hughes-safety.com/zero-power)

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Model shown - EXP-J-14K/1500: 1500L Emergency Tank Shower fitted with the Zero Power Cooler (Patent Pending). Other chiller options are available as shown.

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Front cover image: The Red Wing PetroKing safety boot (courtesy of Red Wing Shoe Company)

## editor's note

At this difficult time, we would like to extend our support to our clients, readers, colleagues and partners. Our hearts go out to all those who have been affected by the coronavirus, both directly and indirectly. This issue, not surprisingly, has something of a focus on COVID-19, with news of government and private sector initiatives to tackle the virus (6-8), as well as advice for OSH professionals in responding to the outbreak (p24). We also include features on safety footwear (p16), the fight against counterfeit and non-compliant electrical products (p21) and cybersecurity (p26).

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## Al Tayer Motors receives ISO certifications



Image Credit: Intertek

Al Tayer Motors has been awarded multiple ISO certifications.

### Certification

Intertek, a leading Total Quality Assurance provider to industries worldwide, has awarded Al Tayer Motors, one of the premier automotive dealerships in the UAE, with multiple certifications for International Organization for Standardization (ISO) management systems. The certifications recognise that Al Tayer Motors facilities in Dubai and the Northern Emirates conform to the latest global standards for environmental, occupational health and safety, business continuity and energy management systems.

The certifications were granted following a four-month-long

audit and certification process by Intertek experts. This achievement demonstrates that Al Tayer Motors showrooms, service centres and workshops operate as per global best practices to provide a safe, environmentally friendly and secure setting for customers as well as employees. Al Tayer Motors is the UAE importer-dealer for key brands including Ferrari, Maserati, Jaguar, Land Rover, Ford and Lincoln.

Al Tayer Motors embarked on many internal initiatives to help achieve these certifications which included employee training, accident prevention measures, water and energy saving

initiatives, site inspections and compliance.

Ashok Khanna, CEO at Al Tayer Motors said, “We are very proud of achieving this accolade, which would not have been possible without the efforts of all our employees under the expertise and guidance of Intertek, our partners in this journey. Attaining these certifications demonstrates our customer-centric approach and focus on providing our employees with a safe and healthy environment. These accreditations also demonstrate that our core values of integrity, quality and reliability are at the heart of everything we do.”

## WHO provides Health alerts via WhatsApp

### Healthcare

The World Health Organization (WHO) is launching a messaging service with partners WhatsApp and Facebook to keep people safe from coronavirus.

This easy-to-use messaging service has the potential to reach two billion people and enables WHO to get information directly into the hands of the people that need it.

From government leaders to health workers and family and friends, this messaging service will provide the latest news and information on coronavirus including details on symptoms and how people can protect themselves and others. It also provides the latest situation reports and numbers in real time to help government decision-makers protect the health of their populations.

*For information on how to access the service, go to <https://www.who.int/news-room/feature-stories/detail/who-health-alert-brings-covid-19-facts-to-billions-via-whatsapp>*

## Khalaf Al Habtoor donates ambulances and quarantine building unit

### Healthcare

Emirati businessman Khalaf Al Habtoor has announced that he will be donating 50 ambulance vehicles and a medically-equipped building to be used for quarantine purposes.

Al Habtoor also announced he will establish an integrated virology laboratory for medical research to support global efforts in the fight against the Coronavirus.

The announcement is in line with the UAE's efforts to safeguard the health and

safety of its citizens, residents and visitors and supports the World Health Organization's (WHO) guidelines.

Khalaf Al Habtoor said “The people of the country have responded positively to the directives of the country's leadership, which greatly supports the UAE's efforts to continue being a global model for high safety and security standards. As the world faces major health challenges, it is critical that everyone joins forces to overcome this crisis period.”

Habtoor praised the efforts of the authorities and medical teams, including the Ministry of Health and Prevention, the Dubai Health Authority (DHA) and all personnel.

In response to the announcement, director-general of the Dubai Health Authority Humaid Al Qutami, said that many business leaders in the UAE have shown their commitment to supporting the community and contributed to the efforts to face prevailing challenges.

## CAFU to supply Dubai ambulances with free fuel for two weeks

### Fuel

In further contributions from the private sector to support the UAE's efforts against COVID-19, CAFU, the region's first on-demand fuel delivery app, said it will provide all ambulances operated by the Dubai Corporation for Ambulance Services (DCAS) with free fuel for a period of two weeks.

The gesture highlights the collaboration between the private and public sector in facing challenges in the current critical environment.

As part of the initiative, CAFU will deliver petrol on-demand to the corporation's fleet of ambulances that operate in more than 100 locations across Dubai, bringing contactless fuel delivery to frontline health workers and eliminating the need for them to go to a petrol station.

Rashid Al Ghurair, founder and CEO of CAFU, said, "CAFU has evolved into an essential part of people's lives since its launch. We now have 180 trucks covering



Image Credit: CAFU

CAFU will deliver petrol on-demand to ambulances operated by Dubai Corporation for Ambulance Services.

Dubai, Ajman, Sharjah and Umm Al Quwain. CAFU is designed as a contactless service - our pilots can come and fuel cars wherever the customer is and at their convenient time, minimising exposure to any physical contact while still ensuring the car is always fuelled up."

Al Ghurair said that CAFU is proud to support the Dubai Corporation for Ambulance Services in this noble cause and help ensure their ambulance services can operate without interruption. "It is important to

come together as a community and support each other during this critical time," he added.

Khalifa Bin Dray, executive director of Dubai Corporation for Ambulance Services, said, "This is a true testament of the UAE's ability to inspire solidarity between members of society to defeat this pandemic. This cooperation is in line with the directives of our wise leadership to bolster cooperation between the government and private sectors to prevent the spread of this disease."

## Free cybersecurity services for SMEs in Bahrain

### Security

Pentest360, a Bahrain-based technology startup powered by EDX Labs, in collaboration with the Technology & Business Society (TBS) and the Bahrain Technology Companies Society (BTECH), announced a free three-month service for SMEs in Bahrain. "The comprehensive approach by Bahrain's government in the continuous efforts to combat and control the spread of the Corona pandemic has been recognised by many including the World Health Organization (WHO). Along with all Bahrain businesses that are supporting the control of this situation, the EDX Labs family of cybersecurity technologies would also try to do their humble part," said Mirza Asrar Baig, the chairman of EDX Labs.

Pentest360 will regularly host free webinars to address the 'Basic Security requirements for Remote Work' to help organisations and individuals secure their personal computers for business work.

## Emirates SkyCargo replenishes food and medicines in UAE

### Food

Emirates SkyCargo has stepped up its commitment to facilitate the flow of essential goods across markets including the UAE.

Working in a scenario where global air cargo capacity has been severely constrained due to restrictions on passenger flights, Emirates SkyCargo continues to ensure that goods such as food and medical supplies are transported to destinations where they are needed the most.

In line with the mandate from the UAE government, the air cargo carrier is deploying sufficient air cargo capacity to ensure constant supply and replenishment of food products and medicines in the UAE.

Emirates SkyCargo has deployed a range of measures, including additional freighter flights, and using connecting road feeder services to help transport essential cargo such as pharmaceuticals, medical supplies and equipment, perishables and other raw materials to the UAE and

other global destinations.

Between mid-January and mid-March 2020, Emirates SkyCargo transported more than 225,000 tonnes of cargo in total out of which 55,000 tonnes were food items including fruits, vegetables, meat and seafood, and more than 13,000 tonnes were pharmaceutical cargo.

During one charter operation, Emirates SkyCargo transported close to half a million units of hand sanitisers in a single Boeing 777 freighter aircraft.

## Bee'ah to manage waste for Dubai Airports



Image Credit: Adobe Stock

### Waste management

Bee'ah, a UAE-based sustainability and environmental services pioneer, has been appointed the waste management partner for both of Dubai Airports' airports, Dubai International (DXB) and Dubai World Central (DWC).

In addition to managing both airside and landside waste management operations, including non-hazardous waste, hazardous waste, used cooking and used engine oil waste and all recyclables, Bee'ah will work in conjunction with Dubai Airports' facilities care team to handle and dispose of all waste from excess

baggage and confiscated materials.

Bee'ah Group CEO Khaled Al Huraimel, commented, "We are immensely proud to be the new waste management partner of one of the world's busiest transportation hubs, Dubai Airports, and to support them with their sustainability mandate of reducing waste to landfills and implementing advanced recycling and material recovery solutions to promote a circular economy."

More than 88mn passengers pass through Dubai's two international airports annually, generating an estimated 5,500 tonnes of single-use plastic waste at the airports annually. To

counter this, Dubai Airports has banned all single-use plastics across its terminals.

Jose Oller, executive vice-president of service and operations at Dubai Airports said, "Most of the single-use plastics at our airports, including cutlery, drinking straws and take-away food packaging, have been replaced with sustainable alternatives as an immediate result of our initiative. While we work to reduce and ultimately achieve total elimination of single-use plastics across our airports, we need innovative waste management and recycling solutions to achieve our sustainability goals."

## Khidmah offers discounted services

### Sanitisation

Khidmah, Aldar Properties' wholly owned facilities management business, is offering discounted disinfection and sanitisation services for homes and businesses across Abu Dhabi through the coming period. This is part of Aldar's recently announced programmes worth AED 100mn aimed at supporting its residents, tenants, customers and partners.

Odourless, organic cleaning products certified by the Environmental Protection Agency will be used.

Khidmah has also rolled out measures to safeguard its employees and customers from infection, including disinfection and sanitisation of workers' accommodation and buses and conducting daily employee health evaluations; and training its technical team on the procedures and specific products to be used in order to strictly follow all hygiene guidance provided by the UAE authorities and the World Health Organization, among others.

## New partnership to promote electrical safety and reliability

### Electrical safety

Smartworld and Manav Enterprise have formed a business consortium to provide smart electrical safety and reliability to government and private establishments in the UAE. Through this alliance, Smartworld will provide complete suite of Manav Energy solutions in the field of earthing and lightning protection system, which reduces electrical incidents to near zero.

The products and services of Manav Enterprise safeguard more than 600 installations in the Middle East from fatality

and asset loss from electrical incidents.

"Our subject matter experts in the field of electrical safety and reliability provide comprehensive analysis of power system, power quality, electromagnetics, lightning management and earthing management across different sectors such as refineries, rail, airports, telecom, defense, iconic buildings and mission critical establishments," said Sonjib Banerjee, president, Manav Enterprise.

The IoT based products allows decision makers to predict and prevent electrical

hazards, breakdown or failure. The system can be linked to independent disaster management cells that can further review hazardous installation based on online data. Electrical safety parameters of establishments can be monitored and certified accordingly based on reputed standards.

"This consortium will develop long term client alliance for validation, advice and certification as per UAE safety norms. It will endeavor to make the UAE one of the most electrically safe places in the world," said Abdulqader Ali, CEO of Smartworld.



## → events calendar 2020

September			
8-10	<b>Safety &amp; Health Expo</b>	LONDON	www.safety-health-expo.com
14-15	<b>Kuwait HSE Forum</b>	KUWAIT	www.hse-forum.com
15-16	<b>The Health &amp; Safety Event</b>	BIRMINGHAM	www.healthandsafetyevent.com
22-25	<b>Security Essen</b>	ESSEN	www.security-essen.de
28-29	<b>Dubai HSE Forum</b>	DUBAI	www.hse-forum.com
October			
12-14	<b>OFSEC</b>	OMAN	www.muscat-expo.com/ofsec
26-27	<b>Bahrain HSE Forum</b>	MANAMA	www.hse-forum.com
November			
9-12	<b>ADIPEC</b>	ABU DHABI	www.adipec.com
December			
2-3	<b>International Security Expo</b>	LONDON	www.safety-health-expo.co.uk

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

# Minimising ventilation and air-conditioning risks

## Ventilation

Eurovent Middle East, the region's industry association for Heating, Ventilation, Air-Conditioning and Refrigeration (HVACR) equipment manufacturers, is calling on building owners, operators, facility management providers and healthcare facilities to observe the industry recommendations to minimise risks related to the transmission of airborne viruses through ventilation and air-conditioning systems, and support the government to contain the outbreak.

The current crisis highlights the responsibilities of heating, ventilation, air-conditioning and refrigeration (HVACR) engineers, along with service and maintenance personnel, building

owners and operators to carefully assess building ventilation systems and their conditions.

Proper ventilation, with a higher degree of fresh air supply and air exchange, the use of the correct filter types and careful maintenance can be important factors in the containment of the coronavirus outbreak.

Eurovent Middle East outlines basic recommendations, which directly or indirectly bear on the spread of viruses and the well-being of people in occupied spaces. These are based on an industry-wide consensus and provide guidance on best practises in the current crisis.

While in most cases ventilation systems cannot be modified in the short term, conducting careful assessment of the ventilation installations and

carrying out the correct maintenance measures can assist in preventing the propagation of the virus.

Brian Suggitt, president of Eurovent Middle East, said, "We all have our responsibility to support the government's efforts to contain the outbreak of the coronavirus and minimise its effects. We have put together several recommendations in regard to ventilation and air filtration which we see as important to be followed."

The industry association has published documents with recommendations for building owners, operators and maintenance personnel on air-filtration, ventilation and maintenance procedures.

For further information and expert advice on the



Image Credit: Edgardo W. Olivera/Flickr

*Measures should be taken to minimise the risk of the transmission of viruses through air-conditioning systems.*

recommendations or additional measures such as installation of UV (ultraviolet) systems or air cleaners, the association encourages individuals to reach out to reliable suppliers, manufacturers or to the association. [www.eurovent.me](http://www.eurovent.me)

# A hub for pioneering safety and security solutions

Intersec, the region's leading trade fair for security, safety and fire protection, welcomed 33,872 visitors from 135 countries.

Taking place from 19-21 January at Dubai World Trade Centre, the event welcomed industry professionals, government representatives, manufacturers and suppliers of safety and fire equipment to the Middle East as the region's commercial security market is set to grow 16 per cent a year to 2025 to be worth US\$8.4bn.

With 1,100 exhibitors from 56 countries including two-thirds of the world's top 50 security manufacturers, long-established exhibitors were impressed by the show's expanding geographic reach.

**“Several important potential clients arrived from markets we had not anticipated.”**

Amine Sadi, regional channel sales manager, Milestone Systems A/S, a manufacturer of open platform IP video surveillance software, commented, “Several important potential clients arrived from markets we had not anticipated.”

IDIS, the video analytics experts, said Intersec 2020 stood out for the sectoral range of its visitors.

“There was an impressive range of serious buyers with interest in IDIS end-to-end video solutions from systems integrators and end users working in retail, banking, healthcare, hospitality and corporate sectors, from across the region and beyond. Visitors were genuinely interested in the latest technology, and wanted to drill



Image Credit: Messe Frankfurt

down and ask how our video solutions will solve their problems and deliver,” explained Jamil Alasfar, senior sales manager, IDIS Middle East & North Africa.

At Intersec 2020 IDIS announced a major video surveillance project it has secured with the Central Bank of Jordan. “This led to some significant conversations with buyers about our new AI offerings and latest cameras, which we expect to progress very quickly,” added Alasfar.

Intersec 2020's Intelligence Forums included conferences, roundtables and live demos hosted by the Future Security Summit, the Fire Safety Conference, Government Summits and the Intersec ARENA.

Andreas Rex, show director for

the Middle East at organisers Messe Frankfurt, said, “We are committed to bringing the best brains in the business to Dubai to help ensure the regional industry benefits from the very latest knowledge which impacts the wider security, safety and fire protection fields which now involves a high degree of automation, AI, machine learning and biometrics developments.”

Intersec will return from 24-26 January 2021 at Dubai World Trade Centre and will be co-located with Light Middle East and Prolight + Sound Middle East, which are also organised by Messe Frankfurt Middle East. ❖

More information is available at: [www.intersecexpo.com](http://www.intersecexpo.com)

IMAGE ABOVE: Intersec attracted 1,100 exhibitors from 56 countries.

# Increasing process safety with Loto Safety solutions



Image Credit: LOTO Safety

Lockout/Tagout is a best practice and critical to ensuring safe working during plant shutdowns and turnarounds.

Qaid Zohar, CEO, Loto Safety.

**Q**AID ZOHAR, CEO at LOTO Safety, “a homegrown brand in the UAE”, spoke to Health, Safety and Security Review Middle East, at the recent edition of Intersec in Dubai, about the innovative products his company has to offer.

“LOTO Safety specialises in providing integrated and customised solutions in Lockout/Tagout, Arc Flash Protection PPE and Electrical Safety products. These include free factory assessments, presentations, installation support and training resources.

“Our products are widely used by oil and gas, utilities, aviation and sea ports, facilities management and many more industries.”

Two new innovative patented products were launched at Intersec – KAB-O-LOK Cable Lockout and TEAM-LOK Safety Lockout Padlock.

KAB-O-LOK’s features considerably reduce downtime via-a-vis competitor products when isolating valves.

“ADNOC has placed their faith in us and more than 10,000 units have been delivered over three months,” said Zohar.

TEAM-LOK safety padlock creates a physical and visible

**“Our products are widely used by oil and gas, utilities, aviation and sea ports, facilities management and many more industries.”**

hierarchical tree specified in the permit to work (PTW) system

by permitting sequential locking and unlocking system of first in and last out and vice versa. In most cases, the usage of hasps is also eliminated resulting in savings and reduced inventory.

The company expects to garner significant business and plans to increase its footprint globally over the next two years.

Since inception in 2011, LOTO Safety has seen double-digit growth thanks to the conducive environment and infrastructure provided by the UAE. ♦

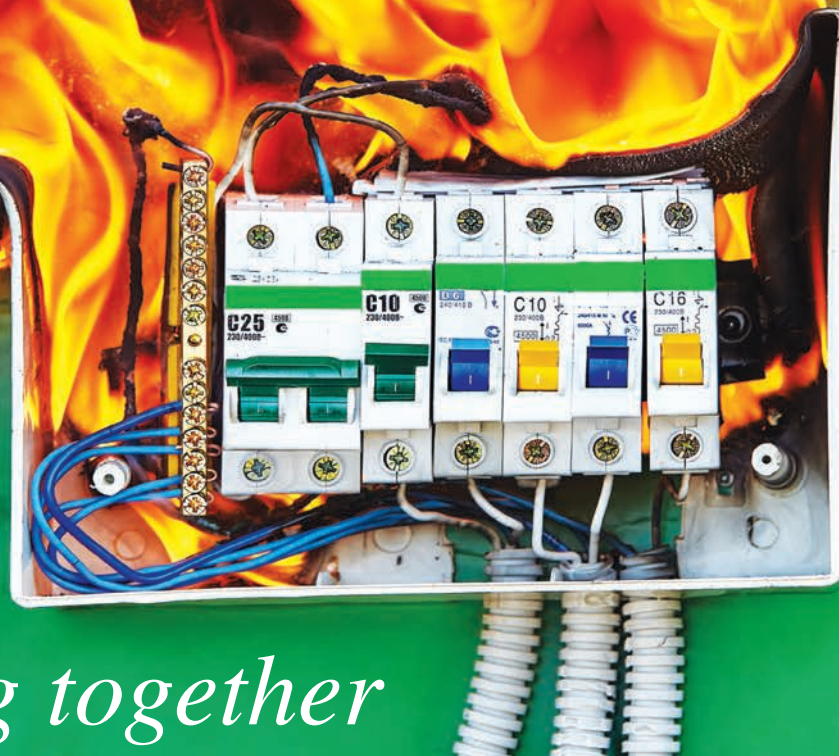


Image Credit: Adobe Stock

# Working together for a safer future

Simon T. Bircham, chair, BEAMA Anti-Counterfeit Working Group; and brand protection manager, EATON Electrical Sector EMEA, speaks to *Health, Safety & Security Review Middle East* about the global fight against counterfeit and non-compliant electrical products.

**“If these counterfeit and non-compliant look-alikes are installed in homes, commercial or industrial buildings, they may lead to fires, electrocution, loss of property and even loss of life.”**

### Can you elaborate on the challenges facing the electrical industry right now?

Within the electrical industry there are really two main areas of concern right now – the proliferation of counterfeit products, and growth in non-compliant look-alike products. If we think about the types of products of our BEAMA members, it quickly becomes evident why, as an industry, we take both issues very seriously. Power distribution products such as Miniature Circuit Breakers (MCBs), Moulded Case Circuit Breakers (MCCBs) and Residual Current Circuit Breakers (RCCBs) are designed to protect buildings and the people inside them; and although on the surface these products may appear to be quite simple, they

are anything but. These products are the result of decades of research and development, ongoing evolution, and the establishment of important safety standards and rigorous testing. Unfortunately, when it comes to counterfeit copies and non-compliant look-alikes, we can't be sure they will live up to these standards and function properly. If these counterfeit and non-compliant look-alikes are installed in homes, commercial or industrial buildings then they may lead to fires, electrocution, loss of property and sadly even loss of life.

### What is the difference between counterfeit and non-compliant look-alikes?

First, it's important to note that both counterfeit and non-compliant look-alike electrical

products are a danger for people, through the risk of serious injury or even death; and to property, through the risk of fire and loss of property and/or business. However, there are some important distinctions between the two types of products.

Firstly, non-compliant look-alike electrical products do not meet the necessary safety standards designed to protect people and property, making them highly dangerous. These sub-standard non-compliant products are also often made to look like well-known brand products but are either unbranded or marked with an unfamiliar name; or use a similar sounding name to the original genuine product. Often sold at a much lower price than compliant products, the intent is to deceive the buyer into thinking they are

IMAGE ABOVE: Faulty electrical products can cause fires.

purchasing safe product by passing off the non-compliant product as somehow related to the original genuine product.

Counterfeiters take this one step further through the unauthorised representation of a registered trademark on products that are identical or similar to the products of the genuine manufacturer. The intent is to deceive the purchaser into believing they are buying original products; however, counterfeit electrical products are also often found to be non-compliant, putting building owners and users at risk.

### How can responsible companies safeguard against non-compliant look-alike products?

There are three simple checks that can help reputable companies to identify potentially non-compliant electrical products. First, check the general quality of the product. Look out for poor moulding, excess material and rough edges. Poor quality printing, poorly aligned markings and miss-spelling are indicators of suspect product, as are visible corrosion and discolouration of metal components.

Secondly, check if the product has the correct markings for the type of product. There are quite a number of items to look out for here, and BEAMA have developed a range of very useful guidance documents for checking the product markings.

Thirdly, there are several other factors that indicate the product may be non-compliant. For example, consider the selling channel. Where is the product being sold, where did it come from, is the sales channel unusual for the type of product? Check

the weight of the product; lightweight product can be an indication of missing components. Check if the product has the correct and valid documentation such as product test certificates or declaration of

### “The trade in all counterfeited goods is steadily growing”

conformity. Also consider if the product being sold is ‘second-hand’. With second-hand products there is no way of knowing the condition of the internal components. While not completely foolproof as comprehensive testing of the product, these simple checks should act as basic indicators to raise the alarm that something may not be right; and further investigation and evaluation is needed before committing to buying, installing or using the product.

### How big and widespread is the problem of counterfeit, and what impact does it have on the electrical industry?

The global trade in all counterfeited goods is steadily growing, and the OECD and the EUIPO estimated it reached just over half a trillion dollars in 2016. This is a global problem affecting all well known brands, with the electrical market being no exception.

In China, the Middle East and Africa this is an industry-wide problem, with counterfeiters tending to focus on perceived low cost, low-complexity items such as circuit breakers, fuses,

switchgear, distribution boards, and wiring accessories. Intent on illegally using trademarks to deceive customers, counterfeiters of these products typically use substandard materials, often miss out safety critical components, or provide no testing; meaning these counterfeit electrical products offer little safety protection.

In addition to the real dangers of installing and using counterfeits, there is an overall negative impact on the whole electrical industry. Genuine reputable companies struggle to compete with these cheap dangerous counterfeits; and installers and building owners can be faced with potentially costly repairs, loss of reputation, and even litigation.

### What is the industry doing to prevent counterfeit electrical products?

Concerned about the growing levels of counterfeit seen in the markets, and the risk to safety and impact to local businesses, the electrical industry formed the Anti-Counterfeit Working Group (ACWG) as part of the BEAMA trade association in the year 2000. Made up from many of the industry leading brands, the ACWG is a proactive group focused on taking action to reduce the proliferation of counterfeit electrical products in China, Middle East and Africa. This industry coordinated approach has enabled the BEAMA ACWG to successfully raid more than 850 illegal factories and warehouses, and seize an incredible 22mn counterfeit electrical products during its twenty years of operation. In addition to acting on the ground, the ACWG has provided training and awareness

with enforcement and customs authorities throughout the region.

### What actions can responsible companies take to avoid buying counterfeit electrical products?

Installers, distributors and building owners also have a role to play as responsible companies to prevent becoming a victim of counterfeit product. First be sure you know the products you are buying or installing; for example, check that they are consistent with product from an authorised distributor. Secondly, think about where the product is coming from and how it is being sold. Many genuine brand owners will sell product through recognised authorised distribution channels; if the product is coming from an unknown source, ask questions first. Don't get drawn in by the lure of cheap product, stop and think first. As highlighted earlier, counterfeiters do not care about quality and safety, and will often miss out critical safety components or use substandard materials to entice buyers into purchasing cheap product.

Remember, if you are a building owner or specifier, always insist on and specify genuine products. If you are an installer or contractor always buy genuine products through authorised distributors; and if in any doubt, check with the original brand owner first. ♦ *BEAMA is the UK trade association for manufacturers and providers of energy infrastructure technologies and systems. It represents more than 200 companies, from start-ups and SMEs to large multinationals. [www.beama.org.uk](http://www.beama.org.uk)*



# Putting people at the heart of health and safety

Safety is interpersonal relations at its core, says Joshua Franklin.

**“SH&E professionals must prioritise how they engage with workers, not simply know the right answers to every problem.”**

IMAGE ABOVE: People are our most important and valuable resource.

The list of skills that an effective Safety, Health, and Environment (SH&E) professional must develop (e.g. informal leadership, change management, negotiation, and empathy) can prove intimidating to the young professional. This is especially true when they are trained to believe that success comes solely from an expert grasp of law and regulation.

It can be quite a let down the first day you find out that a worker might not care about written policies or regulations. If, for example, you notice a chemical has been improperly labelled, do you simply quote paragraph 2.4 of the chemical labelling policy? Is this going to convince a worker to do a better, safer job in the future?

In a line seemingly directed at the SH&E professional frustrated with their first year (or five) in the profession, Stephen Covey, author of the groundbreaking business book *The 7 Habits of Highly Effective People*, writes, “If I were to summarise in one sentence the single most important principle I have learned in the field of interpersonal relations, it would be this: Seek First to Understand, Then to Be Understood.”

Seek first to understand.

How about you?

What motivates the people you work with in your organisation?

Who are they outside of work?

Can you set aside your agenda to better grasp another’s perspective?

Will you put down your checklist and pick up someone

else’s viewpoint on the world?

People are our most important and valuable resource. If we are going to keep them safe and healthy in the workplace, then SH&E professionals must prioritise how they engage with workers, not simply know the right answers to every SH&E problem.

*Joshua Franklin, MBA, CSP, SMS, CIT, CPCU, ARM is a safety and professional development expert and serves as the senior director, Strategic Advancement at the Board of Certified Safety Professionals (bcsp.org). Josh is a military veteran who culminated a 21-year career as the Air Force’s Safety career field manager, where he oversaw the training and development of 781 military safety professionals across the globe. ♦*

# Ejendals achieves success at Intersec

The Swedish market leader in PPE received a warm welcome at Intersec.



Image Credit: Ejendals

**“We were overwhelmed by the response from the audience at Intersec. As this was our first time exhibiting, the experience has even deepened our belief in the potential of the Middle East market.”**

ABOVE IMAGE: Ejendals at Intersec 2020.

Over the years, Intersec has been a great launchpad for companies such as Ejendals to offer PPE solutions.

This company though are more than that; they are unique, safe and strive for the best quality, from products, offers to service. Their main customers are those who value the safety and wellbeing of their employees, which resonates with Ejendals core mission which is “Zero injuries on hands and feet for the benefit of the employee, the company and society”.

Amit Upadhye, the regional sales director MEA at Ejendals, said, “We were overwhelmed by the response from the audience at Intersec. As

this was our first time exhibiting, the experience has even deepened our belief in the potential of the Middle East market.

“We were able to showcase our core portfolio of our high performance – Tegera Infinity range, which was an instant success with key decision makers and prospective distribution.”

Along with a number of innovative and highly functional gloves, Ejendals also successfully launched their footwear range Jalas. And Ejendals’ unique proprietary insole solutions proved an instant hit amongst visitors.

“Being at a foot-pressured exhibition we offered our insoles for free, resulting in many thanks for relieving agonising foot pain,”

Upadhye continued. “The receivers of the unique insoles immediately requested business meetings post Intersec in order to introduce the proprietary solution for their other employees. This as most companies in need of PPE products experience similar issues amongst staff due to uncomfortable safety shoes.”

With this flying start in the Middle East, Ejendals will strive to offer innovative PPE solutions which will benefit the users and help organisations aim for zero injuries at the workplace.

“Given it is a well-known fact that most of these are injuries to either hands or feet, Ejendals’ portfolio fits the market like a glove,” concluded Upadhye. ♦

# Focusing on quality

Leading suppliers of safety shoes are finding a ready market for their products in the Middle East.

**“Purchasers and HSEQ managers must have in mind that their workers will wear these shoes for around 10 hours a day, working in extreme conditions of weather and temperature.”**

*The AD11 safety shoe from the National Factory for Safety and Security products.*

**Q**uality and safety, rather than price, should be the determining factors when purchasing safety footwear. That’s the message from Abu Dhabi-based National Factory for Safety and Security Products LLC, a leading manufacturer and supplier of safety footwear in the Middle East, which has more than 10 years’ experience of the oil and gas and construction markets and supplies army and safety shoes to the UAE army and police forces.

Operating to the highest international standards on quality, technology and materials (CE – INTERTEK, ISO 23045: 2011) the company works in partnership with German, Netherland and Italian companies in product design and new materials / technology. With customers including the likes of ADNOC, Abu Dhabi Police and Etihad Airways, the company currently exports to Egypt, Jordan, GCC (Saudi Arabia, Kuwait, Oman) and Morocco and is opening new markets in Europe. “The UAE market is still growing, as there are a lot of projects in construction and oil and gas markets,” said Jaime Andres Ramirez, the company’s sales manager. “Unfortunately companies are focused on price and not on quality or real safety .

“Purchase and HSEQ managers must have in mind that all their workers will wear these shoes for about 10 hours a day, working in extreme conditions of

weather and temperature, which is why price must not be the key factor in the decision to buy a good safety shoe.”

Low-quality safety footwear is known for causing problems of several types to the feet, the toes and the heels, he added.

Many factors need to be taken into account when selected a safety shoe, he said. These include

- ❖ Light weight
- ❖ Slip resistance, water repellent, acid, oil & gas / acid resistance, according to the activity
- ❖ Rubber sole to resist high temperatures
- ❖ Breathability
- ❖ Ankle and sole protection.

An example of the company’s Salama safety shoes includes features such as supple woven, breathable lining; durable and comfortable non-woven insole; steel toe cap meeting EN12568 standards; rugged thermoplastic moulded counter; low density PU foam collar foam for good cushioning; buff leather collar for extra comfort; low density PU outsole for extra cushioning and shock abrasion; and high abrasion polyurethane outsole.

“Our objective is to develop long-term relations with our partners, our commitment is to join them at every part of the process to check our product performance and working together to improve and generate new technologies according to environment, conditions and workers’ needs,” said Ramirez.

As a UAE manufacturer supporting and contributing to the local economy and Emiratisation process, Ramirez would like to see more support from government. “More government and semi-government companies could get local products, if they are certified and approved under international and local entities such as ourselves.”

## Bringing specialist safety footwear to the Middle East

Another supplier of high quality footwear is Rock Fall, a second-generation family owned business based in the UK, which is bringing its distinctive solutions for the safety footwear market to the Middle East.



Image Credit: National Factory for Safety and Security Products



During the Intersec exhibition in Dubai, director Richard Noon spoke to Health Safety and Security Review Middle East about the company's expansion into the UAE market, bringing specialist safety footwear, combining premium quality and great value for money.

"We decided to focus on long-term, high specification developments in safety footwear based on extensive market research, and this has proved instrumental in launching several industry-defining and world first products," he said, speaking about the company's growth of its footprint worldwide, with new supply agreements in the UAE, Philippines, China and Singapore.

In recent years, the company has diversified its range offering and the Rock Fall Worldwide range features styles for construction, utilities, nuclear and power generation and transmission, car manufacturing, aerospace and military.

The company has launched several new styles including a range of firefighting and extreme heat protection boots as well as electrical hazard boots with an insulating sole unit and the pioneering, world first, Arc Flash rated safety boots.

Noon explained that the Rock Fall safety footwear range uses specialised components and materials conforming well beyond industry standards and expectations. R-Ten is a long-lasting sewing thread that increases the life of a pair of safety boots and is resistant to corrosive alkalis such as limestone or concrete. The use of Force10 outsoles, made using a specially formulated nitrile rubber compound, contributes



The Rockfall stand at Intersec.

Image Credit: Rockfall

towards significantly enhancing the lifespan of safety footwear.

Noon added that the company is creating awareness about the brand in the UAE, emphasising how it improves foot health and comfort.

Also experiencing success in the Middle East is Minnesota-based Red Wing Shoe Company, provider of safety footwear and personal protective equipment, which has operated in the Middle East for more than 50 years through distribution partnerships and has a network of retail stores throughout the Gulf, as well as a

**“The desire for lightweight footwear is a top trend that we are seeing in the PPE industry.”**

long-established office and distribution centre in the UAE.

“The PetroKing line of safety boots is one of our most popular in the Middle East,” said Paul Olson, managing director East Hemisphere for Red Wing Shoe Company. “Purpose-built for the global energy industry, PetroKing boots are lightweight and flexible, revolutionising industrial footwear by combining innovative safety features and comfort. The PetroKing family comes in a variety of styles and offers exceptional slip and puncture resistance, and extra abrasion protection on the toe and heel to help keep workers safe all day long.

“Additionally, the new Red Wing Zero-G Lite collection is quickly becoming a favourite in the region due to its lightweight style that doesn't sacrifice safety performance. Designed for light-duty industrial jobs inclusive of

warehouse, distribution, light manufacturing, service and office to floor roles, Zero-G Lite offers a modern casual design for all-day comfort and allows for a seamless transition between work, home and anything in-between.”

Discussing the latest trends and materials, Olson commented,

“The desire for lightweight footwear is a top trend that we are seeing in the PPE industry. Lightweight footwear helps reduce fatigue during a long day of work, contributing to workers' overall comfort. Red Wing has partnered with key suppliers to offer the latest innovation in lightweight leathers, textiles and outsole materials while meeting safety standards. For example, Zero-G Lite, one of our newest introductions to the Red Wing Lite Collection, feels light on the feet and offers premium safety features.” ♦

# Respiratory protection - the need to innovate

Image Credit: Adobe Stock

Ian Crellin, British Safety Industry Federation (BSIF), examines some of the factors for effective and comfortable respiratory protective equipment (RPE).

**“Comfort of RPE is a major factor in whether it is worn correctly and when needed.”**

Over the past decade, the number of work-related breathing or lung related problems in the UK has remained broadly constant. In 2018/19, an estimated 42,000 workers were suffering from a work-related breathing or lung problem (either new or long-standing), and approximately 18,000 new cases of work-related breathing or lung related problems are reported on average (based over the past three years). So clearly, there is room for improvement.

### Comfort

Comfort of respiratory protective equipment (RPE) is a major factor in whether the RPE is worn correctly and when needed.

Wearers often complain that their RPE is uncomfortable – too hot, too warm, hard to breathe through, doesn't fit, too heavy and so on, and for our modern diverse workforce these parameters are of increasing importance. Looking at the choice of RPE now available shows that we are indeed taking comfort seriously, but there is still some way to go.

### Breathing resistance

The breathing resistance of RPE is a major contributor to wearer comfort. If wearers find that their RPE is difficult to breathe through they may be more inclined to either not fit it correctly or cease to use it. Exhalation of warm and moist air is often an issue for

wearers as it can increase heat and moisture build up within the RPE. Recent innovations in exhalation valve design have started to make inroads in reducing heat and moisture build-up in addition to reducing exhalation breathing burden.

Developments in filter technology, both mechanical and electrostatic, over the years have resulted in high filtering efficiencies with lower breathing resistances. Today's diverse workforces, and the introduction and growth of fit testing, now demands an expanded shape and size range of facepieces – particularly towards the smaller size. Larger mask sizes provide scope for increasing the filter

*There will always be a need for RPE.*

surface area, thus keeping breathing resistance low, but for smaller facepieces novel solutions are required to continue to reduce breathing burden.

### Compatibility

Often when there is a need for RPE there is also a requirement for other forms of protection – for the eyes, the ears, or the head. With each of these fighting for the same space on the head/face, compatibility is a challenge. Health and safety managers need to ensure that each item doesn't reduce the protective performance of the other. Integrated solutions offering respiratory, eye, face, head and hearing protection (with some now offering communications as well) provide an effective choice, but that may not always be the right option for some applications. Further compatibility improvements should also remain an ongoing design focus.

### Fit and fit testing

Fit is a crucial element of comfort. A hard to fit, poorly fitting, tight-fitting facepiece or even an uncomfortable loose-fitting headtop can be a barrier to proper use, resulting in a reduction of protection. Innovations over the past decade have seen the introduction of enhanced fit designs with comfort strips and face seals, sculptured face seals for improved fit, as well as better compatibility with eyewear, softer and more flexible designs to allow greater facial movement, while maintaining effective fit. Recent facepiece designs and the integration of smart technology help the wearer to conduct an effective fit check, which is a crucial step every time a facepiece is donned.

These are all positive steps in the right direction, but as facepiece fit is so crucial to achieving effective protection, further fit enhancements across that range of RPE should continue to be a priority.

With the support of the UK's HSE and through the Fit2Fit scheme (the RPE fit test providers' accreditation scheme), competent fit testing is now an accepted part of the journey to select suitable RPE. Although we don't yet have 100 per cent compliance in that all wearers of tight-fitting respirators are fit tested, adoption is growing and inclusion of fit testing and fit test training in RPE provision and service tenders, is helping to drive compliance.

Fit testing has also contributed to the increase in the range of options available. Diversity in mask shapes and sizes means that now is it just about possible to find a good fitting facepiece for every wearer.

Not only does fit testing help to select suitable respirators, it also provides an ideal opportunity for one-to-one training for wearers to raise awareness of the respiratory hazards in the workplace, to reinforce the message of the importance of correct fitting, provide training on donning techniques and address compatibility with other items of PPE (other head-worn PPE should be worn during the fit test) – and of course talk about facial hair (see below). Lack of knowledge on how to don a respirator and lack of care taken during the donning procedure are two of the most common reasons why people fail a fit test the first time – but, with lessons learnt, many then go on to pass at the second attempt.

The Fit2Fit scheme was pioneering, and it is great to see

the influence it has had on a global scale. Fit testing competence schemes are now established, or in the process of becoming established, in the Netherlands, Belgium, and as far away as Australia.

### Facial hair

Tight-fitting respirators must achieve a leak tight seal to the wearer's face to help provide effective protection. If the seal is compromised by facial hair, then the wearer may be exposed to harmful airborne contaminants. Wearer facial hair is perhaps the most commonly cited issue regarding respirator selection, use and fit testing. It can be a highly contentious issue, touching on wearers' rights, employment law, religious beliefs and employer responsibilities. The rights of the wearer need to be balanced against the need to protect the health and safety of the wearer – a balance that can be tricky to achieve in some circumstances. But there are solutions – for wearers with facial hair there are many loose-fitting respirators from which to choose that will provide the required level of protection. These can provide a great solution to improving PPE compatibility as options are now available that can offer combined respiratory, eye, face and hearing protection.

### Smart technology

Smart technology has a lot to offer wearers and health and safety managers. One of the challenges faced in respiratory protection is knowing the level of protection being provided by an item of RPE when in actual use in the workplace. Conducting workplace protection factors studies are complex and costly, so if the future holds out the possibility of having

**“Competent fit testing is now an accepted part of the journey to select suitable RPE.”**

real-time performance feedback that will be a great achievement. Smart technology is starting to create opportunities for assessment of fit, location tracking, and real-time monitoring of wear, breathing rate and end of filter service life indication. Smart and connected technology is opening many new and exciting ways to improve respiratory protection across all its elements – selection, provision, use, maintenance and training.

### The future

So, what should we expect to see over the next decade? Unfortunately, we can't predict the future, but one thing we do know, is that we need to continue to design more comfortable RPE, embrace new technology into products, training and use, and continue to grow respiratory hazard awareness. Of course, for proper exposure control, we need to follow the hierarchy of controls with elimination and substitution being at the top; however, there will always be a need for RPE. When we give wearers the benefits from innovation – in product design, in use and in training, this will ultimately lead to improved protection and, hopefully, we will start to see a reduction in the statistics on work-related ill health. ❖

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# A simple solution to mitigate fire risk

Tim Martin, sales director, MIDEL EMEA, discusses how the use of ester transformer fluid can enhance fire safety.

**T**ransformer failure poses a very real risk to oil and gas safety and uptime.

Concerns over transformer failure are often exacerbated in the Middle East by harsh operating conditions. Last summer saw heatwave temperatures reportedly exceeding 60°C, coupled with dusty, humid or coastal conditions. What's more, plants are not always in the most accessible of locations, meaning any electrical equipment needs to be doubly reliable.

While newer transformer designs have been more closely tailored to cope in these conditions, the age and maintenance condition of electrical infrastructure across the Middle East's oil and gas sector is mixed. Further, while refineries are experts at managing the processing of hydrocarbons, managing transformer fire risk may not come so naturally. And, as ExxonMobil's Beaumont refinery found out, it only takes

**“It only takes one small fire in a transformer to cause a sitewide outage”**



one small fire in a transformer to cause a sitewide outage that has an impact that lasts for days.

Opting for an ester transformer fluid, rather than flammable mineral oil, can make all the difference in providing a reliable, safe power supply.

MIDEL's readily biodegradable transformer fluid not only significantly reduces fire risk, it can also substantially extend the transformer's useful life.

Ester fluids are highly moisture tolerant, unlike mineral oil, protecting the transformer's paper insulation and thereby extending its life. The fluids are

easy to use as a retrofilling option, meaning that operators can enhance fire safety and uptime, while preventing deterioration without replacing transformers.

The 230,000 bpd Duqm Refinery in Oman is an example of how ester fluid can deliver world-class risk mitigation. Adhering to the strictest of international standards, the engineering team at Duqm commissioned new transformer units, filling the transformers with MIDEL fluid. It benefited from enhanced transformer risk mitigation (K class fluids have

fire points >300°C), improved environmental protection (MIDEL's esters fluids are readily biodegradable) and reduced total cost of ownership (less maintenance and civils costs).

With its enhanced fire safety profile, ester fluid filled transformers require substantially less bunding and fire suppression systems – a cost saving that typically runs into millions of dollars on complex industrial sites.

MIDEL is used by leading names across the Middle East including JEPSCO (Jordan), MEW (Kuwait), ADNOC (Abu Dhabi) and Qatar Petroleum (Qatar). ♦



# THE **MOBILE** **SOLUTION** FOR **RELIABLE** **BREATHING AIR** **MEASUREMENT**

**B-DETECTION PLUS m** is a compact, portable all-in-one solution that gives you the freedom to perform reliable breathing air measurement wherever and whenever you need to.

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The transport case offers IP65-rated protection against dust and water jet ingress and withstands harsh environmental conditions. Sensors are rapidly and easily accessible, simplifying maintenance. Solid legal certainty is ensured by an integrated data logger with SD card function for performing defined individual measurements. The patented special design of the dewpoint sensor delivers an extra-rapid response for virtually instantaneous humidity measurement.

The system offers fast venting to allow the gas sampling unit to be quickly detached from the air sampling connector. If limit values are exceeded, the **B-DETECTION PLUS m** control unit activates visual alarm signals.

- › Avoids accidents with serious consequences due to excessive concentrations of CO, CO<sub>2</sub>, humidity and oil
- › Quick and easy checking of the breathing air at different points of the system possible
- › For measurements with different customers, a corresponding certificate can be issued per customer about the measurement results with the BAUER Excel macro

## OPTIMUM MAINTENANCE – HIGH-PRECISION MEASUREMENT

The Calibration and Test Gas Kit contains the basic set of all test and calibration gases for your **B-DETECTION PLUS** Gas Measurement System. It is designed for local operators seeking to test and calibrate their systems at regular intervals, and for technicians and appropriately trained individuals tasked with replacing sensors.

The Test Gas Kit contains the basic set of all test gases for your **B-DETECTION PLUS** Gas Measurement System. It is designed for local operators seeking to test their systems at regular intervals.

Test gases are guaranteed to meet the highest quality standards. The gas blends are tailored precisely to the measurement sensor systems. They have a BAUER-guaranteed shelf life of two years from the manufacturing date. Every batch of products is tested using ultra-precise analysis processes and 100% documented.

BAUER gas blends are tailored precisely to the measurement sensor systems, providing the basis for highly accurate measurement results. The sensors of **B-DETECTION** systems must be calibrated annually and tested at least every three months.



# Making waves in waste management

Middle East companies are leading in sustainability initiatives, with waste management being a strong focus.

**E**mrill Services LLC, an integrated facilities management provider in the UAE, was the first FM company to be awarded the Dubai Chamber CSR Label for its sustainable and responsible practices, a title which it has held for eight consecutive years.

In 2019, Emrill collaborated with Dubai Chamber of Commerce and Industry to reduce waste in Dubai, taking part in its 'Let's Reduce and Recycle' campaign. Emrill promoted a zero-waste lifestyle, as well as encouraging employees to participate by collecting clothes, paper, plastic bottles and e-waste. Emrill collected a total of 280 bottles, 51kg of paper, 115kg of clothes and 689kg of e-waste, including 28 printers and two desktops during the three-week collection campaign.

Stuart Harrison, Emrill's CEO, said, "All CSR programmes Emrill creates and manages are designed to provide a better quality of life to Emrill's employees, their families and the residents and visitors to the communities we operate in."

As part of the company's ongoing commitment to sustainability, Emrill has launched several sustainability initiatives, including organic

vegetable gardens, sustainability parks and water conservation programmes within its communities, using condensation water to clean car parks. This initiative alone has saved over 35,000 litres of water.

The FM giant has continuous improvement goals, investing in new technology, innovations and improved methodologies with the goal of becoming more efficient, benefiting the communities and facilities it serves as well as the environment.

Another company with a strong sustainability agenda is Del Monte Fresh Produce Middle East and North Africa, which is stepping up its efforts in waste management. It recycles cartons, plastic, nylon bags, metal etc. and has partnerships with various waste management companies for repurposed waste to achieve its sustainability objectives.

"Our commercial operations go hand-in-hand with our sustainability efforts, which have always been a part of Del Monte's DNA since its early days," commented Taymour Shukri, regional QA & HSE manager, Del Monte. "The end-to-end waste management operations we run include recycling cardboards, papers,

plastics, treating drain water from production operations and re-using it for irrigation of perimeter garden and greeneries, as well as ensuring proper disposal of landfill waste."

Cardboard, paper and plastics are sold to vendors for recycling, generating additional revenues for the company.

"Adopting an effective waste management policy doesn't only aim to help us reduce cost and create revenues from the waste we recycle; it primarily targets reducing the effect of our operations on the environment and mitigating our environmental footprint with the aim to achieve sustainability and preserve the environment in the places where we operate," Shukri added.

Del Monte has established a Waste Watch Committee, which continuously monitors and controls the waste generated at various sites including farms and production facilities. The committee's mandate includes recycling, reusing and even selling various types of wastes, where feasible. The committee witnessed significant reduction in carton waste during the first six months of 2019 compared to the previous year, with a six per cent reduction in volume. ♦

**"Our commercial operations go hand in hand with our sustainability efforts."**

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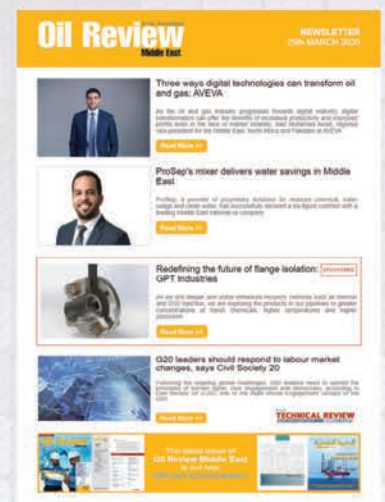
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# COVID-19 risk management implications

Duncan Spencer, head of Advice & Practice at the Institution of Safety & Health (IOSH), discusses the important role OSH professionals play in responding to the COVID-19 pandemic.

**S**o, your workforce diminishes as people fall ill with COVID-19 or are obliged to isolate, and you need to work with a skeleton staff. This means that you don't have enough resources to fully operate your safety management system or implement the full suite of risk controls.

What do you relax? What room do you have for compromise? Do arguments of reasonable practicability exist or apply to this situation?

These are important questions. It might be a time of national emergency, but that does not mean that laws are suspended. OSH professionals must think the situation through and provide sound advice to the board of their organisation and pragmatic guidance to line management.

A well thought through risk register, founded on quality risk assessment, is the key.

For example, consider a retail distribution centre which is struggling to meet panic buying demand and which has a reduced employee number due to the virus. Management should first consider what is at the top of their OSH risk register, e.g. preventing unauthorised drive away from docking bays, or the safe use of pallet inverters. The focus would highlight controls that must not be compromised under any circumstances, e.g. traffic light systems and vital control procedures must be enforced at docking bays.

They would also review what is at the bottom of the list, e.g. risks associated with some housekeeping duties. This may reveal where control may be relaxed for a period or be covered by new controls, e.g. housekeeping procedures being more pragmatically controlled by managers responding to conditions rather than normal procedural routines.

Management systems may need modification. Fewer people and a busier environment may compromise the normal running of safety management systems, or key personnel may be absent. The OSH professional must take a lenient

view on paperwork and process. Clarity is needed on what reporting can be dropped and what must be continued if the Board are to meet their governance and legal decision-making responsibilities. It may be prudent to announce which OSH projects will be paused during the crisis.

These are tough choices, but they are based upon the application of reasonable practicability. With a reduced workforce at a time of high demand, it is highly likely that normal working practices are compromised. Risk management principles demand that we predict and react to these changing circumstances and how the likelihood of accidents may well increase at a time of reduced resources.

Temporary risk management decisions are therefore often necessary and can be justified. But don't forget the secondary challenge. When demand and staffing return to normal, the compromises made may not be reasonably practicable any longer.

The OSH professional must have a plan for reinstating normal control standards and management systems and ensure that the OSH culture of the organisation going forward is not undermined in the long term.

OSH professionals have an important role to play in this epidemic. More than ever, they must be an enabler and supporter of the tough decisions that need to be made by their operational colleagues. They must remain a critical friend, willing to compromise where possible and provide clarity where it is not – advising, guiding and influencing. ♦

*IOSH is regularly updating its coronavirus guidance, providing useful information on preventative measures, emergency planning and managing the safety, health and wellbeing of workers.*

*See [www.iosh.com/coronavirus](http://www.iosh.com/coronavirus)*

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**“It might be a time of national emergency, but that doesn't mean laws are suspended.”**



# Safety at sea across all operations

Marine safety is integral to all successful offshore operations, from crew transport and rig supply, right through to tanker shipping. Martin Clark reports.

**“As digital technologies transform multiple industries, the risk picture is changing.”**

*IMAGE ABOVE: Across the world, maritime safety standards are being improved with updated mandatory requirements.*

**O**n a day-to-day level, industry bodies such as the International Maritime Organisation (IMO) work continuously to improve safety at sea. Amendments to SOLAS (Safety of Life at Sea) regulations last year make mandatory requirements for maintenance, examination, testing and repair of lifeboats and rescue boats, launching appliances and release gear.

But safety considerations represent a big challenge for an industry during an era of lower spending, with competitiveness and efficiency high on the boardroom agenda. The mandatory SOLAS rules must be factored into oil and gas shipping and offshore costs, regardless of bottom-line pressures faced by operators.

What’s more, the evolution of technology and other forces shaping the industry promises to throw up more challenges for those tasked with ensuring safety at sea. According to DNV GL, the maritime classification society, the next decade will see a greater proliferation of autonomous vehicles, while energy production and transmission will increasingly become the domain of algorithms rather than people.



Image Credit: Eni/Flickr

“As digital technologies transform multiple industries, the risk picture is changing,” it notes in a report. “Current assurance methods focus on physical and business process risks, but there is an urgent need for industries to properly identify, understand and manage emerging digital risks.”

One general trend that could help all industry players balance safety with cost is an increased shift

to standardisation. Stian Saltnes Gurrik, joint industry project manager, materials technology at DNV GL, says that the subsea sector is “willing and prepared to standardise requirements in order to safely reduce cost while ensuring consistent high quality.” It marks a step towards a more united, sustainable, and cost-effective sector, which could be replicated elsewhere along the oil and gas chain. ♦

# What the coronavirus outbreak can teach us about cybersecurity

Brian Pinnock, cybersecurity specialist at Mimecast, draws some parallels between the human responses to the coronavirus outbreak and cybersecurity incidents.

**“One reason for the seismic disruptions caused by both medical and cyber pathogens is the interconnectedness of the global economy.”**

*ABOVE: Cloud computing and digital interconnectivity can bring cybersecurity threats.*

**T**he World Health Organisation and governments around the world are grappling with the coronavirus (COVID-19) that has, as of mid-March, infected more than 200,000 people worldwide. Predictions are that it could cause in excess of US\$1 trillion of economic damage.

In 2017, the NotPetya virus became a global cyber-pandemic that spread around the world in a few short hours, paralysing organisations, crippling shipping ports and shutting down government agencies globally. It caused more than US\$10bn in damages.

One reason for the seismic disruptions caused by both medical and cyber pathogens is the interconnectedness of the global economy. Supply chains now span multiple continents. Air travel passenger volumes have doubled. Disruption in China is leading to disruption everywhere.

Similarly, digital supply chains span continents and cloud computing has become ubiquitous, leading to a digital interconnected web which is fragile and can be easily broken.

The coronavirus has brought into stark relief some elements of basic human nature that come into play in both a health crisis and a cybersecurity incident.

A deeper look shows striking similarities between the human responses to the coronavirus outbreak and cybersecurity incidents.

## **Risky behaviour exposes everyone**

Reports suggest that the coronavirus originated from animals such as bats, pangolins or civets. Cross-species transfer possibly occurred in a market in Wuhan. Researchers found that the tolerated risky behaviour of consuming exotic animal parts triggered a single introduction

into humans, which was followed by human-to-human spread. Similarly, employees engaging in tolerated risky behaviour, such as visiting adult or dark web sites or downloading files from non-work-related portals, can let malware into the organisation that spreads from one user to another.

## **Transparency is critical**

Too often, keeping silent exacerbates the situation and puts business communities at risk. China has received some backlash, with reports emerging that the Chinese government at first played down the risk of outbreak and later the extent of the problem. Transparency is a major contributor to effectively managing the potential fallout from a viral disease. Even today, we are unsure of the extent of the coronavirus outbreak.

Similarly, by the time senior management are made aware of a serious cyber incident, the



Image Credit: Adobe Stock

“What we can do is become more transparent, be more community focused and make ourselves more resilient.”

infection has usually been incubating and spreading in an organisation for weeks or sometimes months. The organisation can become the source of further infection via their own email systems. Coverups mostly don't work and hide the extent of the problem to the wider community, which leads to misinformed complacency about risks.

Many organisations don't share threat intelligence effectively, or at all. Cybercriminals therefore employ the same attack method repeatedly against multiple organisations because it keeps working. We enable criminals by staying silent and ineffectually sharing the symptoms and preventative measures of the cyber disease.

### The importance of basic (security) hygiene

Demand for face masks is surging. But face masks aren't as effective

as most people think. Unfortunately, people are drawn to visible controls rather than invisible ones. But medical authorities suggest that basic practices, like regular handwashing, are more effective at preventing the spread of the virus.

The equivalent in cybersecurity is focusing on basic controls first. Have effective and regular patch management practices, implement controls to detect and prevent the spread of malware, adopt regular employee awareness training to equip people with the appropriate knowledge to avoid risky behaviour. It is mostly invisible, but it is a critical layer in the defence against cybercrime.

### Herd immunity and misinformed complacency

Organisations who can't or won't patch and protect their systems or train their people are the equivalent of the those who

won't or can't vaccinate their families. An expectation of herd immunity is often misplaced, both when it comes to human health and for cybersecurity.

In the UK, an auditor general report on NHS disruptions caused by the WannaCry virus, showed they all had unpatched or unsupported operating systems. In addition, other security controls would have prevented the rapid spread and subsequent deaths and fiscal costs. But they were incorrectly configured, which allowed the virus to spread.

We can never prevent all infections and we can never anticipate every eventuality. Diseases will continue to jump the species barrier and zero-day malware will continue to appear. What we can do, however, is become more transparent, be more community focused and make ourselves more resilient. If not, we

remain exposed to a “Disease-X” – either in the medical or cyber domains – with no known treatments or vaccines and at the risk of devastating economic and human losses. ♦



Image Credit: Mimecast

Brian Pinnock, cybersecurity specialist at Mimecast.

## Partnership for connected worker platform

### Connected worker

Wearable Technologies Ltd (WTL), has announced a worldwide partnership between the company and IT services consultancy giant Wipro, to offer WTL's ELEKSEN Connected Worker solution to their respective global client bases under the terms of a signed Teaming Agreement.

The Industry 4.0 market opportunity is worth US\$110bn by total economic value, according to research by Accenture, who estimate that the IIoT (Industrial Internet of Things) could impact 46 per cent of the global economy, estimated at US\$14 trillion, by 2030. In the connected worker space alone, wearable technology and wearable sensor devices alone is growing at a predicted 13.1 per cent compound annual growth rate (CAGR) and is estimated to reach US\$4.3bn in the next 20 years.

"It is inevitable that most industrial workers in the developed world will, in years to come, wear sensor devices to monitor their health, safety and



Carl Morris, Global ENU lead Wipro and Mark Bernstein, CEO Wearable Technologies Ltd, celebrate the new teaming agreement.

efficiency," commented WTL CEO Mark Bernstein.

"WTL was set up to use this new technology to make industrial workers safer, by delivering data-led, actionable insights in real time to site managers, health & safety managers and other corporate executives involved in the digital transformation of their workplaces. WTL delivers big data relating to workers, to the data lakes already holding other types of data such as plant and weather data, to facilitate the application of Artificial Intelligence (AI) across the large enterprise."

The ELEKSEN platform is an

end-to-end IIoT solution. It is device agnostic, allowing enterprise customers to attach their existing inventory of sensor devices from leading manufacturers such as Drager (gas), Casella (noise), Zephyr (heart rate) and Sensorzone (vehicle proximity), to ELEKSEN smart PPE garments. Taking data from these devices on to one central dashboard in a site office or control room not only improves response times to emergency alerts but also facilitates the subsequent data reporting and analytics in areas such as long-term occupational health.

## New IoT sensor bundles

### Worker wellbeing

Keeping employees comfortable and healthy in an office is critical. Signify, a world leader in lighting, is launching Philips IoT sensor bundles that collect and deliver data via the Interact Office connected lighting system and Environmental monitoring APIs. The sensors enable businesses to monitor their office environment and optimise conditions for employee health and wellbeing.

The sensor bundles can monitor occupancy, the number of people, temperature, noise levels, daylight levels, relative humidity and are Bluetooth enabled, to provide indoor positioning and navigation capabilities.

Bundling and delivering these sensing capabilities into one unit eliminates the need for multiple sensors and is also much more cost effective for businesses.

These new sensors are easily upgraded on premises, meaning that luminaires can now be upgraded with different sensors at any time.

The sensor bundles for Interact Office will be available from May.

## New methodology to address corrosion under insulation (CUI)

### Corrosion protection

A methodology designed to address the major safety threat and multi-billion-dollar cost posed by corrosion under insulation (CUI) has been published by DNV GL.

DNV GL's industry-first methodology helps integrity engineers and plant managers to identify the areas of a plant with the greatest current and future risk of CUI and take action to prevent failures.

Recommended Practice (RP) DNVGL-RP-

G109 was developed in collaboration with several regulatory bodies, international oil and gas operators and major players in the supply chain.

DNV GL's RP Koheila Molazemi, Technology and Innovation director, DNV GL - Oil & Gas said, "Corrosion under insulation is recognised as the single most expensive corrosion issue in the oil and gas and petrochemical industries. Our Recommended Practice has been developed as a guide to the

most effective and efficient way to assess, mitigate and systematically manage the risk."

DNV GL has developed a digital tool to support the implementation and use of its methodology. CUI Manager applies machine learning to CUI data gathered from operators with the methodology from DNV GL's Recommended Practice, to continuously assess and calculate the risk of CUI in process plants. It can reduce the cost of CUI-related maintenance by up to 50 per cent.

# Aquila launches glove for waste processing industries

## Hand protection

AQUILA HAS LAUNCHED a cut resistant glove, the Aquila RE05F, specially designed for the waste processing and recycling industries, where the range of risks varies widely from process to process. Glove development for these applications makes life safer and more comfortable for operatives – in the case of the RE05F this is typically in a picking role at the conveyor belt stage where it provides extra protection from fast moving objects.

The RE05F is cut resistant and double-coated with foam and full flat nitrile which provides excellent abrasion resistance. This is achieved with 100 per cent cut resistant yarn throughout the glove (not just on the palm), followed by a two-stage foam and flat dip process, making the glove waterproof and chemical resistant, whilst maintaining an excellent grip and appropriate dexterity to suit general purpose usage.

Related Aquila products for the waste



Image Credit: Aquila

processing/recycling industries include much of their impact protection range featuring TPE (thermal plastic elastomer) on back of

hand and fingers for protection against fast moving hard/sharp objects at picking stations on conveyor belts.

# Johnson Controls introduces new TYCO concealed window sprinkler

## Fire safety

Johnson Controls has released the new TYCO Model CWS Concealed Window Sprinkler, designed to provide an alternative to a two-hour fire-resistance-rated glazing assembly. The 5.6 K-factor CWS is UL and C-UL Listed as a specific application automatic window sprinkler and can be used in accordance with the International Building Code as an alternative to interior fire partitions or exterior wall assemblies, as evaluated in ICC ESR-2397.

The CWS is the first and currently only concealed pendent vertical sidewall window sprinkler to be specifically listed to provide complete wetting and coverage for heat strengthened, tempered or ceramic glass

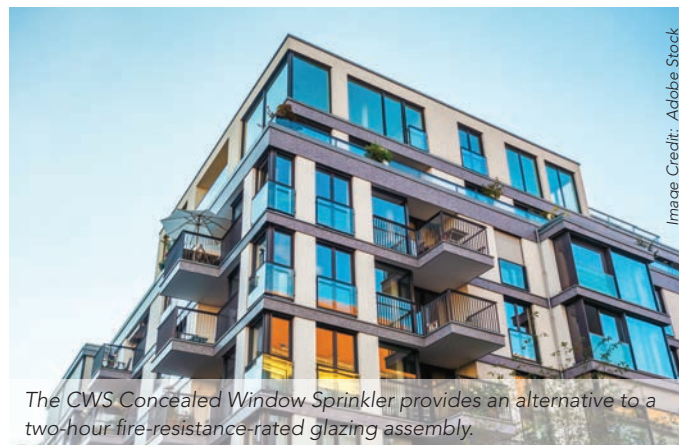


Image Credit: Adobe Stock

windows using closed sprinklers.

“This patent pending specific application window sprinkler offers the cost savings and aesthetic benefits of non-fire-rated glass, while also providing an effective fire protection solution that blends into the

ceiling,” said Robert Cordell, global product manager for Johnson Controls. “The effectiveness of the CWS is based on its fast-response thermal sensitivity and its specially designed deflector that ensures the spray pattern wets the entire

surface of the window. The concealed design is an added aesthetic benefit that allows the sprinkler to blend in seamlessly with the space.”

The sprinkler discharges an even coat of water when activated, which cools the window to help prevent shattering during a fire event. The flat-plate concealed design houses the sprinkler above the ceiling. The cover plate is available in a variety of colours and finishes as well as in custom, factory-painted colours. The TYCO Concealed Window Sprinkler is part of a full window sprinkler line that includes horizontal sidewall and pendent models. It also joins the TYCO family of aesthetic fire sprinklers, including commercial flat-plate concealed models.

# SECURITY Buyers' Guide 2020

### The Middle East's annual where-to-buy guide

Section One: Listings by category

Section Two: International and regional suppliers

Section Three: Contact details of Middle East agents & subsidiaries listed by country

### Categories

#### Access Control Systems

Remsdaq Ltd

#### Alarm Systems & Management

Baldwin Boxall  
ProCom Professional Communication & Service GmbH

#### Card Readers

Remsdaq Ltd

#### CCTV & IP Cameras

Everlux

#### Electronic Access/Entrance Control

Remsdaq Ltd

#### Emergency Alarm and Warning Systems

Baldwin Boxall  
Everlux  
ProCom Professional Communication & Service GmbH  
Safety Technology International Ltd

#### Fire fighting Equipment

Bauer Kompressoren GCC FZE  
DAMOTEK SRL  
Everlux  
ROSTAING

#### Fire Prevention and Protection

Baldwin Boxall  
Bauer Kompressoren GCC FZE

Everlux  
Safety Technology International Ltd

#### Gates & Fencing

Remsdaq Ltd

#### Intruder and Burglary Detection and Alarm Equipment

ProCom Professional Communication & Service GmbH

#### Others

Carrington Textiles Ltd  
DAMOTEK SRL  
Everlux  
ProCom Professional Communication & Service GmbH  
Safety Technology International Ltd

#### Secure Communications

ProCom Professional Communication & Service GmbH

#### Security Screening

Scanna MSC Ltd

#### Surveillance Equipment

ROSTAING

#### Threat Detection

Remsdaq Ltd  
Scanna MSC Ltd

### Suppliers

#### Baldwin Boxall

Wealden Industrial Estate  
Farningham road, Crowborough  
East Sussex  
TN6 2JR  
United Kingdom  
Tel: +44 1892 664422  
Fax: +44 1892 663146  
Web: [www.baldwinboxall.co.uk](http://www.baldwinboxall.co.uk)  
E-mail: [mail@baldwinboxall.co.uk](mailto:mail@baldwinboxall.co.uk)

Formed in 1982, Baldwin Boxall designs and manufactures voice alarm, public addresses, disabled refuge, fire telephone and disabled toilet alarm systems. Many of our products are for life safety - providing the means to communicate to people in times of danger and leading them to safety.

**Agents:**  
UAE - SIBCA



#### Bauer Kompressoren GCC FZE

S103, AF07, South Zone 1  
Jebel Ali Free Zone  
PO Box 261413  
Dubai  
United Arab Emirates  
Tel: +971 48860259  
Fax: +971 48860260  
Web: [www.bauer-kompressoren.de](http://www.bauer-kompressoren.de)  
E-mail: [sales@bauer-kompressoren.ae](mailto:sales@bauer-kompressoren.ae)

#### Carrington Textiles Ltd

Market Street  
Adlington  
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Tel: +44 1257 476850  
Web: [www.carrington.co.uk](http://www.carrington.co.uk)  
E-mail: [info@carrington.co.uk](mailto:info@carrington.co.uk)

Carrington Textiles manufactures quality products made in Great Britain. Our range includes Workwear, Flame Retardant, Waterproof, Defence and sustainable textiles.

From our warehouse based in Sharjah and with over 150,000 metres in stock, we serve the Kingdom of Bahrain, Kuwait, Sultanate of Oman, Qatar, Kingdom of Saudi Arabia and the United Arab Emirates.

#### DAMOTEK SRL

VIA AVV. Giovanni Agnelli 10  
Moretta (CN)  
12033  
Italy  
Tel: +39 0172 911235  
Web: [www.damotek.com](http://www.damotek.com)  
E-mail: [info@damotek.com](mailto:info@damotek.com)

Leading Manufacturer of equipment for clean agent filling and recovery, Inert gas filling, Powder extinguisher service, CO2 filling, Cylinder maintenance and Testing.

## Everlux

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## ProCom Professional Communication & Service GmbH

Alfred Strasse  
157 – 45131 ESSEN  
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ProCom is your partner for safety-related communications for PAGA, intercom, public address and emergency alarm. Our company is certified in compliance with DIN EN ISO 9001 and ATEX standard. Rail and public transportation, airports and harbours, and heavy industry, the petrochemical and chemical sector. Our expertise creates your solution

## Remsdaq Ltd

Parkway  
Deeside Industrial Park  
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CH5 2NL  
United Kingdom  
Tel: +44 1244 286 495  
Web: www.remsdaq.com  
E-mail: marketing@remsdaq.com

A manufacturer and supplier of access control and perimeter intrusion detection and SCADA remote terminal units.

## ROSTAING

17 Avenue  
Charles de Gaulle  
01150 Villieu, France  
Tel: +33474460893  
Web: www.rostaing.com  
E-mail: contact@rostaing.com

Rostaing is the French pioneer, designer and manufacturer of ultra-high performance, technical protective gloves for all activities, from the most dangerous to the most technical and precise. Gloves devised and designed for safe hands.

**Agents:**  
UAE - ROSTAING Middle East

## Safety Technology International Ltd

Taylor House  
34 Sherwood Road  
Bromsgrove, B60 3DR, UK  
Tel: +44 1527 520 999  
Fax: +44 1527 501 999  
Web: www.sti-emea.com  
E-mail: info@sti-emea.com

Safety Technology International Ltd. is a manufacturer of fire, safety and security products that help deter false fire alarms, prevent theft and minimise damage to building equipment. Our innovative heavy-duty steel cages, polycarbonate protective call point covers, alarms for fire extinguishers and emergency exit doors and custom call points and push buttons are found in commercial and industrial environments worldwide.

**Agents:**  
UAE- Alarm Max Safety Equipment Trading

## Scanna MSC Ltd

223 Regent Street  
W1B 2EB, London, UK  
Tel: +44 207 355 3555  
Web: www.scanna-msc.com  
E-mail: info@scanna-msc.com

## Agents & Subsidiaries

### United Arab Emirates

#### Alarm Max Safety Equipment Trading

P.O. Box: 29535  
Dubai  
Tel: +971 42 594640  
Fax: +971 42 594670  
Web: www.zetauae.com  
E-mail: info@zetauae.com

#### ROSTAING Middle East

Tel: +971 553 919 271  
E-mail:  
JG.Alameh@rostaing-gloves.com

#### SIBCA

Al Montazah Tower  
Khalidiya  
1st floor, P.O. Box 46944  
Abu Dhabi  
Tel: +971 2677 4861  
Web: www.sibca.com  
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## Caparol Arabia launches anti-microbial interior paint

### Anti-microbial paint

Caparol Arabia, a UAE's German-quality paint manufacturer, has launched an innovative and sustainable solution that provides better protection against harmful micro-organisms.

Called 'CapaCare Protect', the new solution is an anti-microbial product that secures walls and surfaces from bio-harm. The product, which contains advanced 'SILVERbac' technology, uses silver ions to bind and destroy the cell membrane of biological contaminants, including bacteria and viruses.

"We have all seen the Superman films or read the comic books where he comes up against kryptonite and is severely weakened. Well, to harmful microbes like bacteria and viruses, silver is their kryptonite. It damages them, it destroys them, it helps to defeat them. That's why we are so keen to introduce this new paint

for schools, hospitals, hotels and renovation and facility management sectors, to protect their homes and defend the walls," said Martin Rosocha, managing director, Caparol Arabia.

'SILVERbac' has been extensively tested through an International Antimicrobial Council accredited laboratory to ensure the highest quality in antimicrobial testing. Caparol reported a kill rate of more than 99 per cent in the first 24 hours.

"We have been testing CapaCare Protect paint specifically for its antimicrobial effect, which helps to keep the walls free of microbes and harmful germs. This technology is already used in many hospitals, demonstrating its effectiveness in reducing one of the many factors contributing to the spread of contagious diseases," said Mowaffaq Balish, commercial director, Caparol Arabia.

Since the outbreak of novel coronavirus (Covid-19), Caparol Arabia has launched further testing to check its antimicrobial paint effectiveness at reducing the spread. However, the antibacterial, antifungal and antiviral properties of silver ions and silver compounds have been extensively studied for years.

Silver ions are already being used in the fight against coronavirus too. In Dubai, a range of techniques have been employed including steam cleaning and disinfectant fogging, while treatment with silver ions has been deployed on the streets in Italy.

CapaCare Protect has been specifically manufactured to create an all-round healthier environment. The product is also zero-smell and zero-VOC (volatile organic compounds), which ensures the air quality is healthy and non-toxic.



التدريب المستمر أمرٌ أساسي لتحقيق أرقى معايير الصحة والسلامة

وسهولة الاستخدام وجذابة وتفاعلية تناسب جداول الجميع؛ من المشغلين إلى فريق الإدارة. وعلاوة على ذلك، يتم تنفيذ نظام إدارة التعلم والكفاءة ليكون بمثابة مكان واحد للجميع، مما يوفر للمتعلمين ومديريهم القدرة على معرفة ما هو عنصر التعلم المطلوب وتكليفه وتنفيذه وتتبع تقدمه.

تهتم إينوك بالناس والبيئة. فالرؤية الاستراتيجية لبرنامج الصحة والسلامة والبيئة لدينا هي «لا ضرر على الناس والبيئة». وهدفنا لعام 2025 هو تحقيق التميز التشغيلي، حيث تنتقل من الامتثال إلى الثقافة التوليدية التي تنظر إلى الإدارة البيئية باعتبارها ركيزة أساسية لمستقبل مستدام. إن كل من يعمل في شركة إينوك أو يشارك في أنشطة أعمالنا هو شريك في هذه الرحلة التحولية. ونشارك جميعاً هدفاً واحداً، وهو أن يعود كل واحد منا إلى منزله - كل يوم - بأمان.

في مركز إينوك للاستجابة لحالات الطوارئ في جبل علي. إن شركتنا هي شركة الطاقة الأولى في الإمارات العربية المتحدة التي تقدم لموظفيها مثل هذه الفرصة، وهي خطوة تبرز التزامنا تجاه رفع معايير الصناعة.

كما قمنا أيضاً بتعزيز معايير «الرفاهية»، حيث تعاونت شركتنا الفرعية هوريزون ترمينالز ليمتد (HTL) مع موانئ دبي العالمية لتوفير الإقامة في المنطقة الحرة بجبل علي للسائقين الذين يعملون في الخدمة الشاقة لتقليل الإجهاد والتعب. كذلك لدينا أكثر من 150 سائق ناقلة للخدمة الشاقة يقومون بأكثر من 250 رحلة يومياً إلى مواقعنا وعملياتنا المختلفة، وقد أظهرت هذه الخطوة - بالفعل - نتائج إيجابية في تقليل التعب وتحسين «رفاهيتهم» العامة.

كذلك تعاونت شركة هوريزون ترمينالز ليمتد مع شركة IRCA لتوفير حزمة تدريبات واختبارات مرنة

عزم القيادة على وضع السياسات والبروتوكولات وضمان تنفيذها.

ومن الأهمية بمكان للشركات والمؤسسات، أن تولي أهمية كبيرة لضمان أن سياسات الصحة والسلامة والبيئة العالمية تركز على ثقافة امتثال فعالة وقوية. إذ أن وضع إرشادات تفصيلية لا يمكن أن يوصل المنظمة إلى ما هي عليه الآن. فالعامل الرئيسي هو التأكد من أن السياسات الموضوعية ومعايير الحوكمة يجري تبنيها وممارستها من قبل جميع الموظفين. وقد كان هذا هو محور تركيز شركة بترول الإمارات الوطنية منذ تأسيسها.

بالإضافة إلى وضع سياسة قوية للصحة والسلامة والبيئة، والتي يجري تحديثها بانتظام بما يتماشى مع التقنيات الناشئة المتعلقة بالصحة والسلامة، نقوم بعملية متابعة صارمة لمراقبة تنفيذ وتبني أفضل ممارسات الصحة والسلامة والبيئة. واليوم نفخر بالتمسك بمعايير الصحة والسلامة والبيئة الصارمة. ونتيجة لذلك، حققنا أكثر من 40 مليون ساعة عمل آمنة دون أي حالة وفاة أو إصابة خطيرة في العام الماضي. وانخفض المعدل الإجمالي للحوادث المقعدة عن العمل (LTTR) بنسبة 75 في المائة مقارنة بعام 2017. ويرجع ذلك - إلى حد كبير - إلى الجهود الموجهة نحو زيادة ساعات التدريب على الصحة والسلامة والبيئة إلى 124352 ساعة، وهو ضعف هدفنا المقدر.

وقد كانت القوة الدافعة لتحقيق هذه النتيجة هي التدريب المستمر لموظفينا. فنحن نبذل جهداً هائلاً في تدريب فريقنا على أفضل ممارسات الصحة والسلامة والبيئة، وهو ما أكده مجموعة من عشرة موظفين إماراتيين في شركة إينوك الذين أكملوا مؤخراً برنامج تدريب مكثف لمدة أربعة أسابيع في المركز الدولي للتدريب على الحرائق في دارلينجتون، في المملكة المتحدة. فقد شاركوا في تدريب وافي على مكافحة الحرائق الهيكلية، ومكافحة حرائق النفط والغاز ومناولة المواد الخطرة (HAZMAT). وقد أعدهم هذا لتولي دور رجال الإطفاء

يونيو/حزيران	
المنامة	16 - 15 منتدى البحرين للصحة والسلامة والبيئة <a href="http://www.hse-forum.com">www.hse-forum.com</a>
سبتمبر/أيلول	
لندن	10 - 8 معرض السلامة والصحة <a href="http://www.safety-health-expo.com">www.safety-health-expo.com</a>
دبي	29 - 28 منتدى دبي للصحة والسلامة والبيئة <a href="http://www.hse-forum.com">www.hse-forum.com</a>
أكتوبر/تشرين الأول	
مسقط	14 - 12 معرض عُمان لوسائل الوقاية من الحريق والسلامة والأمن (OFSEC) <a href="http://www.muscat-expo.com">www.muscat-expo.com</a>
نوفمبر/تشرين الثاني	
أبوظبي	12 - 9 مؤتمر ومعرض أبوظبي الدولي للبتروكيمياويات - أدبيك <a href="http://www.adipec.com">www.adipec.com</a>

2020  
مفكرة  
الفعاليات







معالي سيف حميد الفلاسي

## التدريب خير أسلوب لأداء الصحة والسلامة والبيئة

في هذا المقال يشير معالي سيف حميد الفلاسي، الرئيس التنفيذي لمجموعة شركة بترول الإمارات الوطنية (إينوك)، إلى أن الاستثمار في تدريب الموظفين أمرٌ بالغ الأهمية بالنسبة للسلامة في مكان العمل. وتشير دراسة متعمقة حول الحوادث المتعلقة بالعمل في قطاع النفط والغاز، والتي نشرت في مجلة «أبحاث الطاقة والبيئة»، إلى أن العوامل البشرية كان لها الأثر الأكبر على السلامة في مكان العمل، وأن بيئة العمل الخطرة كانت السبب لأكثر من نصف الحوادث المتعلقة بالعمل المهني.

والسلامة والبيئة» إلى أنه يجب النظر إلى اعتبارات الصحة والسلامة والبيئة على أنها «قيمة أساسية متأصلة في جميع العمليات» لتجنب الحوادث أثناء العمل وكذلك للحفاظ على الاستدامة البيئية.

ولقد شهد - أيضاً - إطار عمل ممارسات الصحة والسلامة والبيئة على - مر السنين - تغييراً هائلاً، وأصبح من المهم أن تقوم المؤسسات بتوسيع سياسة الصحة والسلامة لديها لمواكبة التحولات. إذ تتبع المؤسسات اليوم نهجاً متكاملًا لإدارة الصحة والسلامة والبيئة، مع مراعاة العديد من الجوانب؛ مثل الأهداف والهيكل التنظيمي. ويتمثل الدافع الأكثر أهمية لنظام إدارة الصحة والسلامة والبيئة هذا في

SDG-8 بغرض «تعزيز النمو الاقتصادي المستدام والشامل والمستمر والعمالة الكاملة والمنتجة والعمل اللائق للجميع» يعززان حاجة جميع أصحاب المصلحة - وليس فقط في قطاع الطاقة - للعمل من أجل ضمان أعلى مستويات السلامة والأمن في مكان العمل.

فمن أجل الدفع بإطار عمل عالمي للصحة والسلامة والبيئة، يعتبر الجانب الأكثر أهمية هو معالجة التحديات تحت بند «العوامل البشرية»، وهو مصطلح يصف «تفاعل الأفراد مع بعضهم البعض، ومع المرافق والمعدات وأنظمة الإدارة». كما يشير تقرير لشركة برايس ووتر هاوس كوبرز حول «التزام القيادة لتحويل ثقافة الصحة

تقدم هذه النتائج منظورين مهمين أساسيين لبناء ثقافة الصحة والسلامة والبيئة التنظيمية (HSE). المنظور الأول هو الحاجة إلى زيادة مهارات الفريق باستمرار، وذلك لضمان تقليل تأثير العوامل البشرية على الحوادث المتعلقة بالعمل المهني. بينما كان المنظور الثاني هو الحتمية الاستراتيجية لامتلاك سياسة شاملة للصحة والسلامة تركز على سلامة وأمن جميع الأفراد والمباني.

فتعزيز الصحة والرفاهية ليس - في الواقع - مجرد التزام على الشركات. فإن هدف التنمية المستدامة الخاص للأمم المتحدة SDG-3 بغرض «ضمان حياة صحية وتعزيز الرفاهية للجميع في جميع الأعمار» والهدف

# في هذا العدد ...



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# تثقيف الصحة والسلامة والأمن

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