

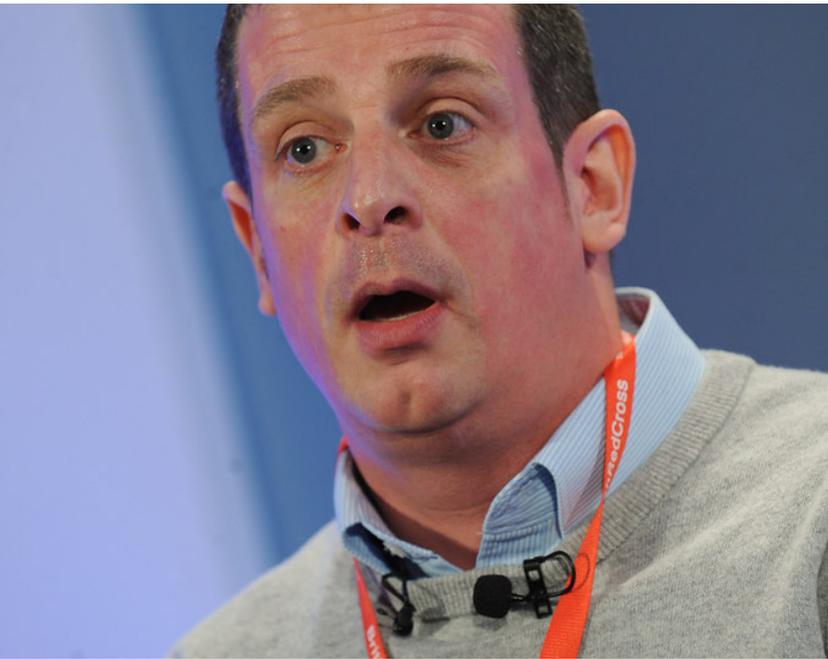


A Fall that ended up in a wheelchair

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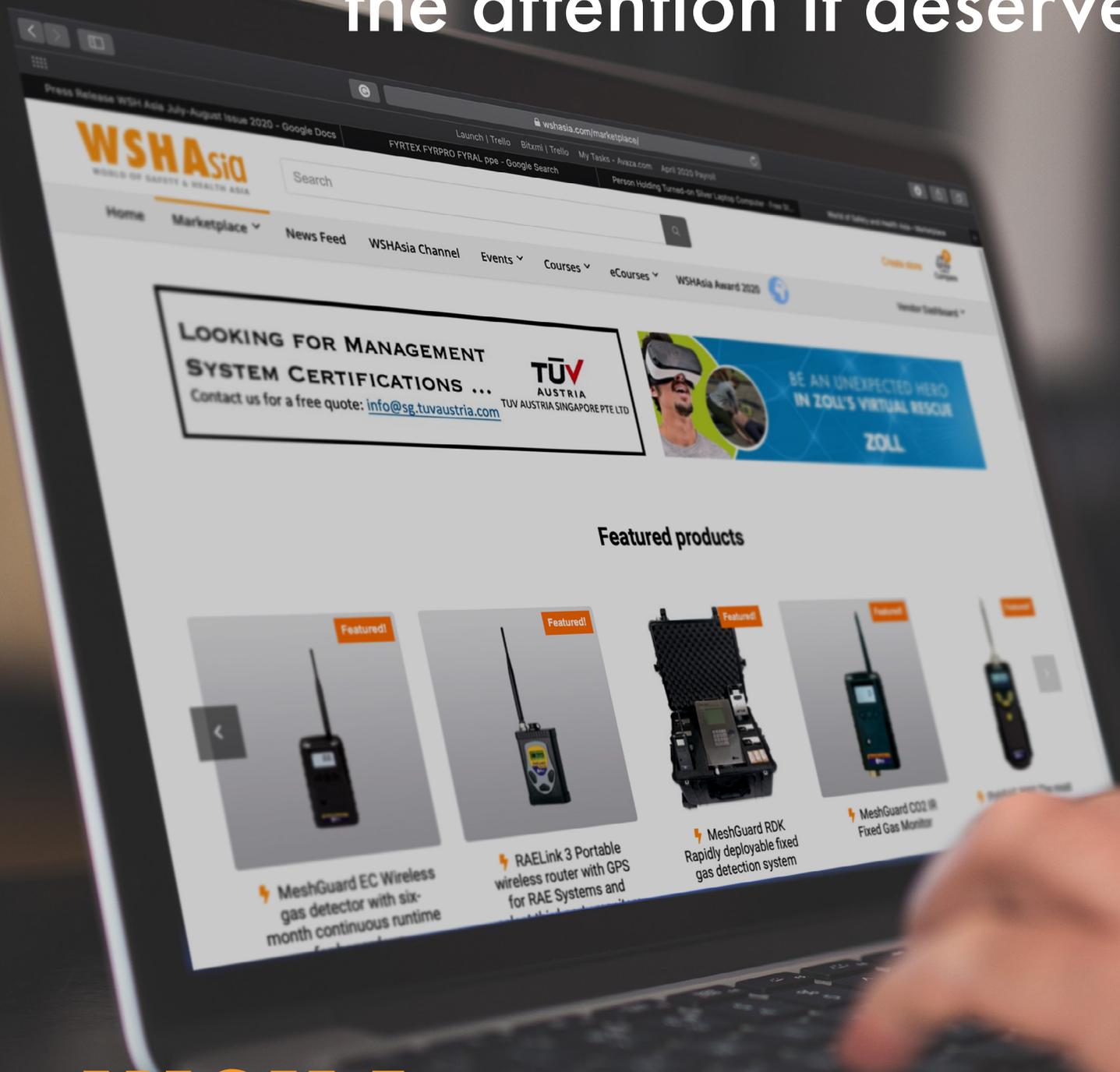
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A Fall that ended up in a wheelchair

Jason Anker

I was only 24 when I had my accident. It was not anything spectacular, no long-winded story to tell, I fell 10 feet (3m) from an unsecured ladder on a construction site, trying to get a rush job done at the end of a shift. I knew instantly it was serious as I could not feel anything below my waist, the thoughts of how it would affect my wife and two children came to the front of my mind.





After arriving at hospital I had an Xray and the initial report was I hadn't suffered a catastrophic spinal injury and I should make a full recovery, but after a CT scan just to confirm things, I was told the devastating news I had a small fracture in my vertebrae, that had caused permanent damage to my spinal cord at T10 level and was told quite coldly, that I would never walk again.

After a 4-month spell in a Spinal Injuries Rehabilitation Hospital, I was 'released' into the world in my 4 wheels, but my problems had only just started. After just one day at home my wife walked out with the children. We had been having problems prior to my accident and so it was not a real shock to be honest. However, it was yet another body blow to deal with as in just 6 months I had lost my legs, my dignity as I was now doubly incontinent and now, I had lost my wife and children.

I found it really hard to share with my family and friends how badly I was struggling as I could see how they were struggling and so I found a way of hiding my true feelings, masked with anti-depressants and alcohol abuse leading to an unintentional overdose of the party drug ecstasy in 1995. I was placed in a coma on life

support for 17 days, my Mum and Dad were told the news that it was highly likely that I would not survive. However fortunately because of the amazing care I had in hospital I pulled through but wasn't completely out of the woods yet as the neurological damage was very similar to a stroke, my short term memory was terrible, I had lost a lot of muscle tone in my arms and my voice had been badly affected but after a 5 month stay in rehab I was home.

I knew I had to change my life and was fortunate to discover disabled water-skiing and it really did change my life, but I was still prone to dark moods and my binge drinking was still an issue. By this time both of my children were living with me and I had found a way of coping.

My compensation claim was still on going as there were many legal problems but in 1998 I was made an out of court offer, much lower than what I could potentially get if it went to court but it was there on the table, so I accepted, only to be told just a few weeks later that there were more legal problems. Life evolved around the children and water-skiing but then in 2005 a breakthrough in my compensation claim but that took another 2 years but in 2007 I received a cheque for £408000.



The money enabled me to have and do nice things but had not made me any happier, but then a chance meeting with a Behavioural Safety expert Dan Terry who literally changed the direction of my life. He encouraged me to share my story and not just about the accident but more about how it had affected me, my family and friends. The rest of the story has been the incredible journey I have been on since I started speaking. My first company Jason Anker Live, the Proud2bSafe, I was then awarded an MBE in 2015 for Services to Safety in Construction, presented at Buckingham Palace by Prince Charles, my dad was so proud that day.

Proud2bsafe, now run by my daughter Abbi, has become a go to company for inspirational speakers in the UK & Europe and I myself have enjoyed trips to Dubai, Abu Dhabi and Houston Texas in the last couple of years and a much as I love presenting, I now also help and coach

other accident victims to tell their stories, it has given me great pride in carrying on Dan Terry's idea of getting more accident victims to speak up. As important the messages are, there is also the personal benefit to the injured person sharing their stories, it gives you a great sense of wellbeing and also it can help stop other people having to go through similar accidents.

I have been fortunate to have been involved in some of the major projects in the UK, I was the Safety Ambassador for the Aircraft Carrier Alliance who built the 2 aircraft carriers HMS Queen Elizabeth and HMS Prince of Wales. I have now also launched another company, the consultancy Anker & Marsh with Prof. Tim Marsh, someone who is known globally as an authority on safety and now moving into wellbeing.

Throughout the summer of 2018 I commenced writing a book, *Paralysis to Success, Bouncing Back from Adversity*, all about my journey. Although there were times when going over past events did bring about feelings of regret and sorrow, I found the whole experience extremely rewarding and it actually helped my mum and dad as well.

The current global pandemic has made us look at what we offer as a business and what is going to be needed, so we are already taking part in webinars online, I'm speaking in June at an IOSH event, for the HSE Global series and for a safety event in Kuala Lumpur, so I am actually excited at the new possibilities that will come as a result of the Covid19 epidemic and the social distancing that will be with us all for the foreseeable future.

I do have a booking for November in Dubai for IPAF, thanks to my friend Jason Woods, so hopefully the restrictions will have eased by then.

Abbi Taylor

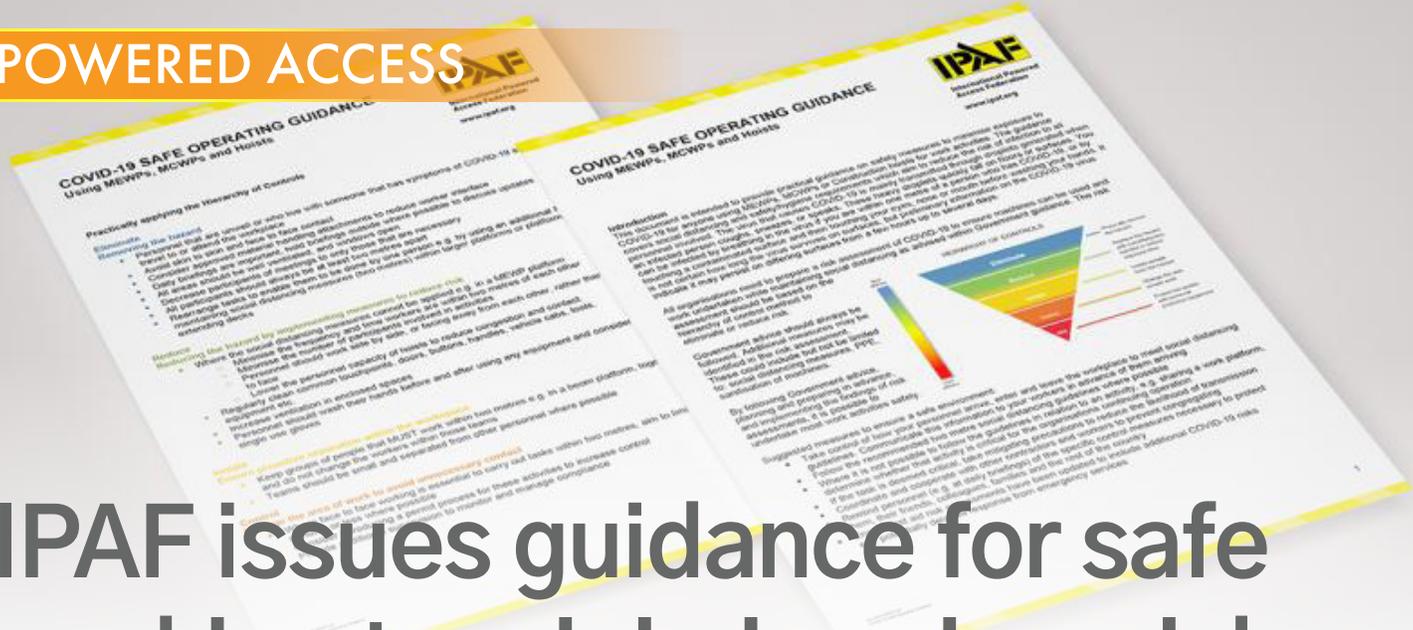
Managing Director at Proud2bSafe

Website: www.p2bs.org

Twitter: Abbi_P2BS

Facebook: [Proud2bSafe](https://www.facebook.com/Proud2bSafe)

LinkedIn: P2BS Ltd



IPAF issues guidance for safe working to minimise virus risk

IPAF

Guidance has been issued by the International Powered Access Federation (IPAF) to assist those using mobile elevating work platforms (MEWPs), mast-climbing working platforms (MCWPs), construction lifts and hoists to work safely and minimize the risk of spreading coronavirus.

The new document has been developed and reviewed by IPAF’s safety experts and members with specialist knowledge of health & safety best practice. It is centered on a hierarchy of risk, with guidance on how to mitigate possible exposure to the virus to help protect employees, colleagues, customers and users of powered access equipment. At all times the latest government advice should be adhered to.

The hierarchy is ranked from eliminating risk entirely, through reducing risk, isolating users from risk and controlling risk to protecting against risk through use of personal protective equipment (PPE).

Peter Douglas, IPAF’s CEO & MD, says: “Ours is an industry founded on the principles of safe working and adopting best practice through sound risk assessment and mitigation. There’s an increased risk at present posed by the spread of

coronavirus and we must do everything we can to eliminate, reduce, control or protect against it.

“Powered access equipment is key to conducting work at height safely, the services our members provide are of vital importance on construction sites, maintenance and infrastructure projects around the world. If powered access firms can’t do this work, projects will be hampered and safety while working at height could be compromised.

“Governments and economies are currently looking to ease some of the restrictions imposed to halt the first wave of infections, but we appreciate it will not just be back to ‘business as usual’ while the risk of contracting this virus remains heightened. Therefore we have issued what we feel is a comprehensive set of guidelines for operating safely in light of this elevated risk, with sensible advice about how to identify risk, maintain social distancing and workplace hygiene, and use of additional PPE.

“While back-office staff may be able to work remotely and IPAF training candidates can take some or all of their course via eLearning, there is guidance for IPAF Training Centres on how to maintain social distancing for those who must attend in person, for instance to complete a practical assessment to obtain or renew a PAL Card.

“On construction sites, enhanced risk assessment, cleansing of machines, use of additional PPE such as face masks and visors, and using extra machines to allow a ‘one operator per platform’ rule to maintain social distancing are all recommended. If contractors need to hire additional machines, it’s important to only ask trained and familiarised operators to use the equipment and for work to be adequately supervised.

“Remember, it is very important not to use the virus as an excuse to cut corners on established principles of work at height safety. It is vital that employees are protected from risks associated with working at height at the same time as being mindful of the additional risk posed by coronavirus.

“Never ask someone who isn’t properly trained to use a MEWP, MCWP, lift or hoist, and always ensure you have the right machine for the job. These basic principles have not changed. Likewise,

powered access equipment should be provided in a safe working condition and subject to correct inspection, maintenance and thorough examination at all times.

“Work should be supervised to ensure best practice is being observed, and it is recommended supervisors or managers should also be trained, for instance using IPAF’s MEWPs for Managers training, which can be conducted wholly via eLearning.

“As an industry powered access is all about safety, so while the challenge facing us should not be underestimated, with proper planning, robust risk assessment and common sense measures to minimize the chance of spreading the virus and protect all employees, this issue can be managed. If you have any queries about this or any other safety and technical matter, please contact your nearest IPAF office or representative.”

To view the new IPAF guidance document click [here](#); to find contact details of your nearest IPAF office or representative see www.ipaf.org/contact; or to find details of IPAF training courses and providers visit www.ipaf.org/training and use the geolocation search function to find your nearest IPAF Training Center.

WHAT IS IPAF

The International Powered Access Federation (IPAF) promotes the safe and effective use of powered access equipment worldwide in the widest sense – through providing technical advice and information; through influencing and interpreting legislation and standards; and through safety initiatives and training programmes.

IPAF is a not-for-profit organisation owned by its members, which include manufacturers, rental companies, distributors, contractors and users. IPAF members operate a majority of the MEWP rental fleet worldwide and manufacture about 85% of platforms on the market.

Thank you!



WORK AT HEIGHT

Today more than ever **LEONARDO HD**

25 years ago, the ultra-compact Leonardo HD was created to answer the need to allow each operator to do more by working alone. Today, this unique mast lift not only allows workers to be more productive, but also guarantees their compliance with the new H&S rules, by offering rental companies the privilege to provide the right solution to present and future challenges. That is why our #whyshare campaign rings now truer than ever.



Empowering the individual www.bravi-platforms.com info@bravi-platforms.com

BRAVI Platforms' core value "Empowering the Individual" leads the way to approach the post-pandemic market challenges

| Bravi Platforms

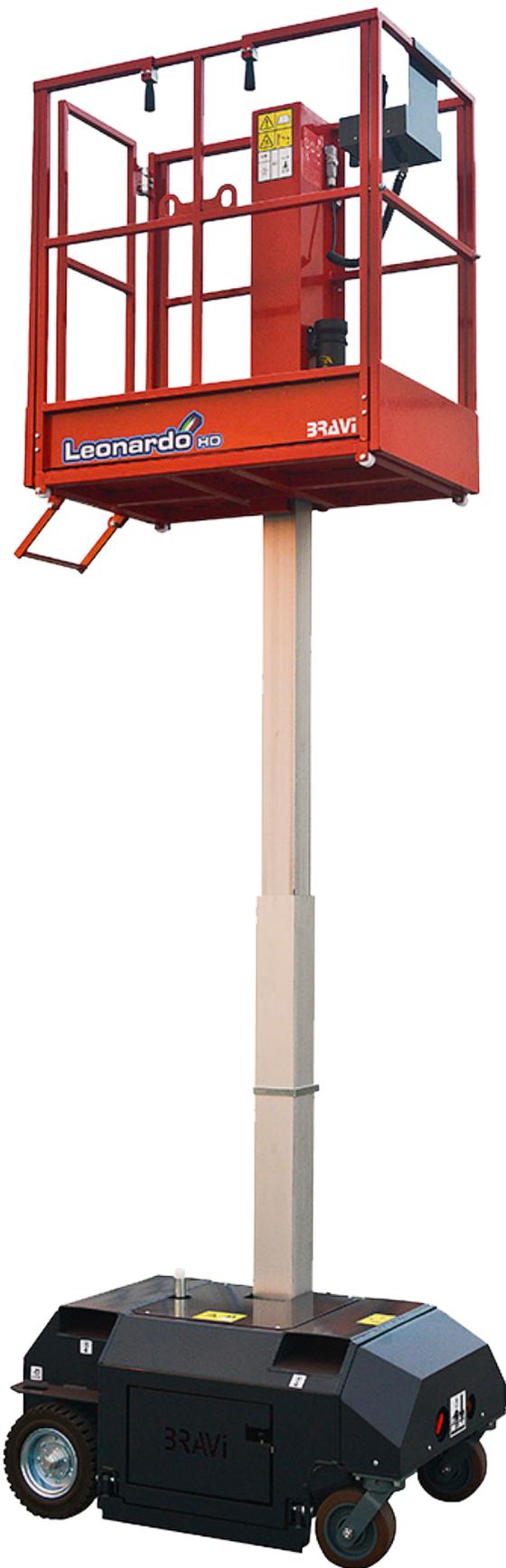
| Bravi champions the potential of independence on the jobsite with the innovative Leonardo HD

25 years ago, the ultra-compact Leonardo HD was created to answer the need to allow each operator to do more by working alone. Today this unique mast lift not only allows workers to be more productive, but also guarantees their compliance with the new H&S rules, offering the right solution to the present and future challenges.

In the past few months, the global pandemic has forced everyone to reconsider the way we live in order to guarantee each other's safety by way of

social distancing. On the jobsite having the right tools has now become crucial than ever.

As Bravi Platforms' MD Mr. Pierino Bravi stated: "In this scenario we are seeing for example that a lot of contractors are no longer allowing two persons on the same lift, so vertical lifts that are compact and maneuverable enough to allow more units on the same job will be the right solution to the current challenges, letting each operator work on his own lift."



Leonardo HD allows the worker to double his output and to do so safely and comfortably. The operator no longer wastes valuable energy, climbing up ladders or manually moving the rolling scaffolds and push-around lifts. As Mr. Bravi said: “I invented the Leonardo HD out of struggle, just because I was tired to waste time and money pushing a scaffold rather than actually doing my job.” Today, this method of work not only allows workers to be more productive, but also guarantees their compliance to the new rules (one man – one platform).

The vertical mast lift LEONARDO HD is the latest generation of a product launched back in 1995. Drivable at full 16ft/4,9mt working height, it features a double-extended spacious platform, a weight of only 510Kg, ultra-compact footprint and zero turn.

LEONARDO HD travels and works where other machines cannot and replace manual labor and non-self-propelled equipment in tight areas where larger equipment wouldn't fit.

Bravi Platforms is proud to support contractors and rental companies during this difficult time and firmly believes that its experience of over 25 years can really help usher in a new normal.

About Bravi Platforms: thanks to the inspiration and progress-oriented attitude of the owner and founder Pierino Bravi, Bravi Platforms is a globally recognized and respected mobile platform production company today, a pioneer of the creation of more efficient and safer methods to work at low heights.

A 40-year journey deeply rooted in the personal history of Pierino Bravi and his over twenty years of experience in the constructions sector. Started out as an installation company, installing plaster board partitions and ceilings. By the mid 1980's it was already one of the biggest Italian companies in this sector. As the installation company expanded, it was necessary to work as quickly and efficiently as possible, without increasing the workforce.

BRAVI first platform was designed and built to meet these working requirements, as suitable equipment was not readily available at that time.

Ever since, Pierino Bravi has continued to innovate the low-level aerial equipment sector by improving his initial concept and adding other models.

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Snorkel reaches above & beyond with world's largest boom

Michael Wright

Snorkel is reaching above and beyond with the world's largest self-propelled telescopic boom lift. Dubbed a 'mega boom', the new Snorkel 2100SJ reaches a maximum working height of 66m, provides an industry-leading outreach up to 30.4m, and an unrestricted platform capacity of 300kg. Ideal for high-rise construction and maintenance tasks, the 2100SJ reaches the equivalent of 22 building stories.

Patent pending static axle transformation, which uses wheel motors to 'drive' the axles into their extended position, minimizes the risk of tire scrub, extending the tyre life and providing a smoother experience for the operator. The Snorkel 2100SJ also boasts incredible maneuverability, with a best-in-class 2.5m inside turning radius and five steering modes, including lateral steer, which enables the lift to drive side-to-side along a building with the wheels in a 90° position.

Compliant with all global standards, the Snorkel 2100SJ has transport dimensions of 2.5m wide and 14.9m length, and for safer loading, is equipped with a removable RF-controlled lower control panel designed to be operated remotely, either tethered or wireless.

The simple, single envelope load management system is based on jib boom extension, rather than platform load, and haptics have been added to the upper controls, to alert the operator to the envelope boundary, providing a vibration sensation through the joystick. For safety and precision at height, a patent pending secondary control panel in the platform enables the operator to face the working area as they position the platform. Providing all

machine functions, excluding drive, the secondary controls can be stowed, and include Snorkel Guard™ secondary guarding.

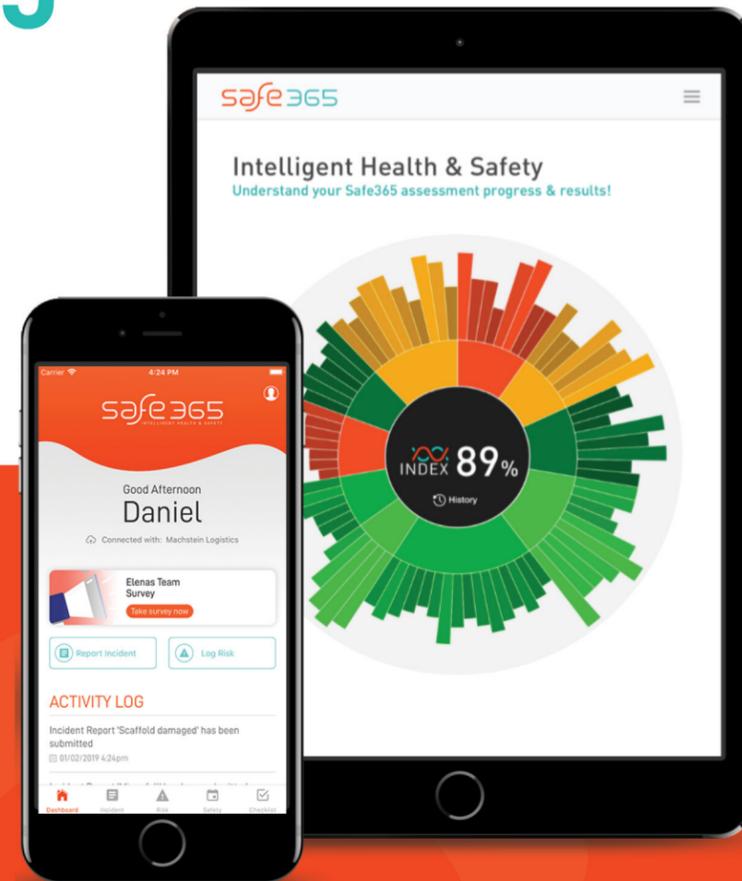
Weighing 36,287kg and rated for outdoor use up to 12.5m/s, it is equipped with an anemometer to measure wind speeds. The Snorkel 2100SJ has redundant, isolated, emergency power supplies to provide at least three alternative options to rescue an operator up to the maximum platform height.

Shown as a preview at CONEXPO-CON/AGG 2020, the Snorkel 2100SJ will enter production in early 2021, and the company is currently accepting pre-orders. For more information on the Snorkel 2100SJ, please visit www.snorkellifts.com/2100sj.

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Sales Director
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INTERNET OF THINGS



New Safety Tech for Singapore SME's – Keeping Workers Safe Post Covid-19

Nathan Hight

Worker health and safety has taken on a whole new meaning since the outbreak of COVID-19.

Singapore employers are now obligated to ensure they are taking steps to prevent the spread of COVID-19. This includes practical steps to ensure accurate site visitation records are maintained (for contact tracing purposes), worker health screening is completed and recorded to avoid infected workers going to work, arrival/departure sanitisation processes are in place and being adhered to, physical distancing on sites is being maintained and workers suspected of having a COVID-19 infection are removed from the work environment and health advice taken. At any stage, records that demonstrate that these steps are being taken, must be produced for authorities to assist with contact tracing investigations.

Beyond that, Singapore's construction companies must also continue to identify, assess and control the range of pre-COVID-19 risks on their sites.

Trying to solve these challenges using traditional paper reporting is problematic. Firstly, it relies on workers and their supervisors being able to locate and fill out the various reporting forms. Records get lost, destroyed, require double handling & filing, limiting the quality and accuracy of data being captured from the site. As a result of these practical limitations it becomes challenging to maintain visibility and generate helpful, timely insights to improve decision making. This is a stressful and challenging problem for safety officers and business leaders.



That's why Safe365 was created and made available to Singapore businesses. In fact, Safe365 is offering Singapore companies, in any industry, its free "COVID-19" plan – which gives access to the software for companies with up to 200 workers for 6 months, at no cost.

Safe365's smartphone app (available from Apple Store and Google Play Store) and performance web console (available www.safe365global.com) provide practical, easy to use digital tools to help solve this problem. The performance console comes with pre-built checklist templates which companies can activate and deploy to connected app users. App users download the app and connect to their employer. Uniquely, Safe365 does not require any expensive implementation consulting and can be set up and deployed within the company in 30 mins.

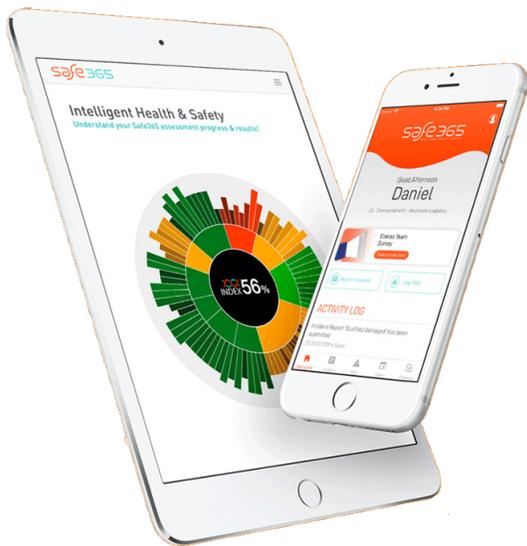
Examples of specific COVID-19 related tools & templates available include:

- Setting up, verifying and monitoring working from home arrangements
- Construction worker daily pre-start COVID-19 screening & procedures
- Construction manager COVID-19 plan
- Employee 'back to work' COVID-19 induction checklist
- COVID-19 Employee Well-Being and Engagement Survey

Beyond these, companies can very easily build their own custom checklists to meet their specific needs. This has included site visitor registers, evacuation checklists, site emergency shutdown checklists, plant and equipment inspection checklists and much more. Every record submitted via the Safe365 app also includes important details that can be used for contract tracing if required, including time/date stamping, GPS location & location address, the user's name & contact details and, if entered, names and contact details of visitors on the site. The safety officer / management gets instant visibility of each report and can record any actions taken by adding to the report thread, so all this information is held together on the Safe365 performance console.

In the event of a COVID-19 outbreak, the company can export records submitted for the date range required, and provide instant, quality data to authorities to assist with contact tracing – the key to limiting the spread of the virus.

Beyond the construction industry, Safe365 has been used extensively in United Kingdom, Africa, US, Australia and New Zealand by many SME businesses including schools, gyms, retail stores, transport companies, utility contractors, professional services, local government and health related organisations like pharmacies, hospitals, dentists and medical centres.



In addition to the Safe365 app, the platform also provides an innovative governance & assurance system that allows companies to rapidly measure and benchmark their health, safety and well-being maturity, understand gaps in capability and provides practical tools and resources to make improvements. The platform provides visibility of continual improvement and also provides a reporting tool to make it easy to communicate health and safety insights to the business' leaders.

For many businesses, using Safe365 has been transformational.

Safe365 has been able to support and enable over 3,500 businesses in the past couple of years to raise health and safety standards at work by lifting engagement with both business leaders and frontline workers. We have examples of large clients that have improved their Safe365 Safety Index® by 10% over 3 years and have seen a corresponding decline in worker claims costs of 40% – approx. a 15x return on investment for the cost of the system. It is incredibly rewarding to help clients achieve these types of results. In addition to the primary objective of achieving less harm to workers, this outcome presents a significant amount of money, which either improves profitability or can be reinvested to grow the business. Our market benchmarking insights continue to confirm that doing health and safety well is not only a legal obligation, but it is truly good for business.

With a looming global recession, enhanced health and safety requirements and mounting pressure on revenue and profitability, businesses need to strive for greater cost effectiveness, efficiency, and ways to transact their business while meeting safety requirements in this 'new normal'. Safe365 is an ideal product and partner to assist businesses that want to do health and safety well in a very cost-effective manner.

The majority of Singapore's small to medium businesses do not use digital products to assist them in their business with health and safety – digital adoption will assist in safer outcomes for businesses, supply chains and the community. For many clients globally, COVID-19 has been a catalyst to "go digital" and they have selected Safe365 because it is so simple to use, requires minimal implementation and is incredibly cost effective.

If you'd like to know more, want to sign up or trial the software, visit our website: www.safe365global.com or send us an email sales@safe365global.com.

Safe365. A safer workforce. A better business.

I Nathan Hight
 Director – Safe365
 Certified Professional Risk Manager
 (CPRM™)

Sleep your way to Better Health

Leonora Franklin

“Scientists have discovered a revolutionary new treatment that makes you live longer. It improves your memory and makes you more creative. It makes you look more attractive. It keeps you slim and lowers food cravings. It protects you from cancer and dementia. It wards off colds and the flu. It lowers your risk of heart attack and stroke, not to mention diabetes. You’ll even feel happier, less depressed and less anxious.”

Matthew Walker

According to Matthew Walker this revolutionary new treatment is simply SLEEP!

As we all focus on the impact of a pandemic from a health and economic perspective, we know there is a growing need to address the stress and mental health pandemic that is rising alongside it. But somehow just to consider it can be daunting; ‘just one pandemic at a time, please’, I hear you say!

Improving sleep is a pretty enjoyable remedy to work on... and getting a good night’s sleep is actually one of the best ways to reduce anxiety, boost mood and to ensure we maintain strong immunity. All of this is key to surviving this current time.

With the rise in worry, uncertainty and the disruption of routines caused by Coronavirus rushing into our world,

sleep patterns may have taken a turn for the worse. However, things have settled for most people, which could mean that we have more time to reflect, improve our routines and build healthier habits than ever before! That is what will support us in this newly adapted lifestyle.

What do you do that positively affects your sleep at night?

And what do you do that negatively affects it?

How much sleep do you need to operate at your peak – mentally and physically?

Now is the perfect time to take note of it all and adjust accordingly.

First of all, learn to appreciate your sleep, enjoy it and develop a good relationship with it – if it takes a bit of ‘faithing it ‘til you make it’, that’s OK, but really show it some love. Self-talk is like hypnosis 101, so tell yourself you sleep well, know it, feel it.

To help this process, prepare your sleep environment so that it is a pleasure to be there – so that you look forward to it.

Let’s call it a bedroom audit.

- Make sure there are no lights that flash or glow through the night – clocks, chargers, air-conditioning controls etc.
- Make sure your curtains are well closed and if you are in a built-up area with artificial light coming from outside, consider blackout curtains.
- Make sure your bedding is comfortable. Do you need to replace those pillows?
- And most of all, no devices in the bedroom. In fact, another key habit is to dim lights and stop using electronic devices at least an hour before you plan to go to bed. This allows your body to wind down and to start producing the melatonin that it needs to sleep in advance of you putting your head on the pillow.

You may think TV is relaxing as you don’t have to think, but the flashing images don’t induce relaxation and definitely don’t allow your body to start producing melatonin. Though this seems like a big deal I have found it’s a great rule that has helped me reconnect with other hobbies and pastimes that are relaxing and restorative in many ways.

Here are 10 ideas for what to do instead of screen time:

1. Take a hot bath (at least 1 hour before bed so that you have time to cool off before going to bed)
2. Prepare the table or your food for breakfast
3. Play an instrument, or listen to music
4. Paint, draw or explore another creative practice
5. Journal and process your day, so you don’t put your head on the pillow and then start!
6. Write a to-do list for tomorrow so you don’t have it running through your head

7. Gratitude practice, journal 3 things you are grateful for in your day
8. Massage – self massage, or massage your partner
9. Do a gentle yoga practice, some moves are particularly good at supporting good sleep
10. Read a relaxing fiction book

As well as our evening schedules we can also review other habits with negative implications for sleep – think working out late in the evening, eating late etc. Now is a great time to review what can change. As our bodies constantly pick up signals from our environment, pay attention to them to keep your circadian rhythm aligned:

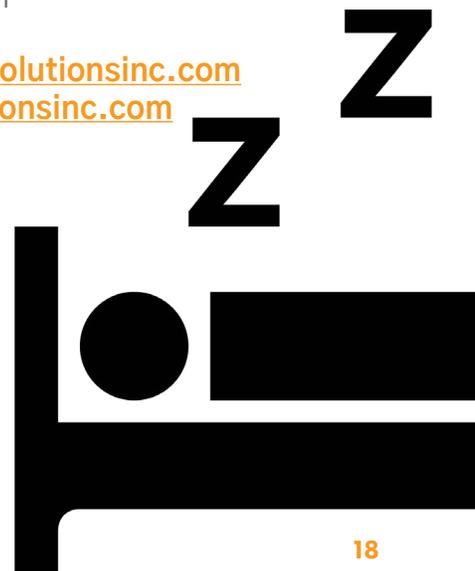
- Routine is key, so stick closely to a bedtime and wake up time.
- Get some morning sunlight.
- Don’t work out or eat heavy meals too late in the day.
- And in the evening, dim your lights so your body knows sleep time is coming.

Then, when do you naturally feel sleepy in the evening, don’t miss out on that moment, it’s your sweet spot, be ready for it!

Remember, sleep affects everything. By using this unique time productively to develop better routines, your body and your brain will thank you for it, now and always...

Sweet dreams!

■ Leonora Franklin
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Sound Level Meters & Dosimeters for Occupational Noise Measurement

Gas, Vapour, VOC & Radiation Detectors
 (Portable, Transportable & Fixed)

GAS DETECTOR

The Most Important Consideration in Gas Detector Selection

Michael Maxwell

Tens of thousands of flammable and toxic gas sensors are in use protecting people and property around the world every day. The increased use and wide availability of gas detection instruments is a positive step towards increased safety by reducing the risk and incidence of gas exposure.

This increase in the number and use of gas detection instruments creates potential opportunities for complacency or errors when selecting these life saving devices. Too often decisions are made based on colour, shape, size

or price rather than the functional and technical ability of the instrument to meet the customer's specific site and operational requirements.

Ergonomics and price are important, but not as important as technical performance.



Gas Detector Selection: Sensors are the Key

The most important technical aspect of all gas detectors is at the heart of the instrument's ability to 'see' gas hazards – the sensor. All the bells and whistles that can be crammed into one instrument can't take away from the simple fact that sensors must quickly process incoming gases and vapours and provide users with an accurate and safe response.

Major sensor categories in use today are:

1. **Catalytic bead** for broad range combustible detection
2. **Infra-red** sensors for CH₄, CO₂ and specific combustible gases
3. **Semi-conductor** sensors for odors, refrigerants and some toxic gases
4. **Electrochemical** sensors for toxic gases and oxygen.
5. **Photo Ionisation Detector** or PID sensors for volatile organic compounds (VOC)

All sensors have their positive and negative attributes and selection of the correct sensor needs to be based upon evaluating your specific application.

Which Sensor Technology Should I Choose?

Each sensor has its own characteristics and capabilities. Sensor manufacturers sometimes develop dozens of different sensors for the same gas type. Sensors can vary by range, resolution, and ability to be specific to the gas being measured while excluding other interfering gases or vapors that may be present.

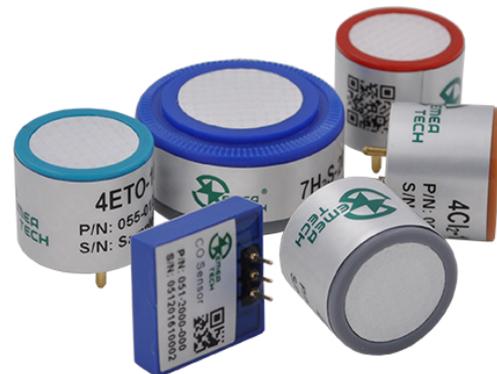
Gas detector manufacturers need to consider the above and also many other aspects such as power consumption, size, expected life, speed of response, electrical characteristics etc of the sensor that will be used in different instruments.

Major Sensor Selection factors are:

1. Is the sensor capable to 'see' the gas or gases/ vapors of interest?
2. Minimum and maximum gas/vapor levels to be encountered?

3. Are other 'interfering compounds' present in the environment?
4. Risk levels associated with worker exposure to the compounds.
5. The working environment – how might it impact the sensor?
6. Do you need additional or different sensors to be installed in the future?

Every workplace is unique and having as much detail as possible will help to determine if anything in your environment could negatively impact the performance of your instruments prematurely. For example: did you know that sulfur compounds such as SO₂ (sulfur dioxide) and H₂S (hydrogen sulfide) can inhibit catalytic combustible gas sensors making them less responsive to combustible gases? Loss of sensitivity is dose dependent and the impact can vary from immediate to many months or years, but the fact is, some compounds are well known to affect these sensors. If overlooked sensor performance at a minimum can occur and worst-case failed sensors put workers at risk.



Another commonly overlooked consideration with many toxic gas sensors is their nature to be 'cross sensitive' to other compounds. A common example is the high response that a CO sensor has when exposed to hydrogen or other common gases found in the petrochemical industry such as ethylene oxide or acetylene.

Before you purchase your gas detection device, gather as many facts about your environment as possible in order to best evaluate technical information provided by each manufacturer on their instrument and sensor capabilities.



18 Questions Related to Sensor Selection:

All of these variables can impact the accuracy, efficiency, performance and longevity of your sensors and therefore your safety and investment in your gas detectors.

1. What are the specific gas hazards that need to be monitored?
2. What are the typical background gas levels for those gases?
3. What is the potential source of the hazard(s)?
4. Are concentrations higher in certain areas?
5. Do spikes in gas concentrations occur from time to time and if so, how high and how often?
6. Is there potential to exceed 100% LEL and over range a combustible gas sensor?
7. Is the instrument used to monitor confined spaces?
8. Is a sample draw pump required to be used with extra tubing or a probe?

9. Are there interfering gases that may affect readings (positively or negatively) for each sensor type?
10. If yes, how will the sensors respond?
11. How might that affect the safety of the instrument for you and your workers in the workplace?
12. Could a positive cross sensitivity response be used for your benefit?
13. What poisons or inhibitors may be present that could impact the combustible gas sensor?
14. What other non-gas related contaminants may be present in the atmosphere? High dust levels, steam, etc? What is the impact?
15. Is there potential for a new gas hazard to be created during work activity?
16. Do you need to change, add or remove a sensor in the future?
17. Does the instrument need to have spare sensor slot(s) that could be utilized in the future for a new gas hazard?
18. What is the impact of your analysis on your calibration and bump testing procedures?

As you can see, selecting the right gas sensor isn't easy. If you need some help and advice feel free to [ask us a question here](#).

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PERSONAL PROTECTIVE EQUIPMENT

Understanding (EU) 2016/425 Personal Protective Equipment Regulation on your fire and electrical arc protective clothing

Doruk Turkucar

In April 2016, the 2016/425 Personal Protective Equipment Regulation was published, which has replaced the 89/686 / EEC Personal Protective Equipment Directive. The transition process has started on April 21, 2018, and the final adaptation date was April 2019.

The old PPE Directive 89/686/EEC has been repealed as of 21 April 2019.

The PPE Regulation (EU) No 2016/425 is a rigorous control and balance system that will ensure the safety of workers in the industry more confidently in the presence of an increasingly global network of PPE manufacturers, distributors, importers and test laboratories. The new regulation facilitates the removal of dangerous products from the market by increasing traceability.

In the new regulation, the risk categories remained the same, but some product groups were redefined.

Regardless of the risk category, all PPE must now contain a Declaration of Conformity.

The validity period of product certificates has been clarified as only 5 years.



Technique of Flame Retardant Protective Clothings

Fabrics for firefighting used in flame retardant clothings are manufactured from specially designed glass fiber or glass fiber blends. Commonly known flame retardant glass fiber is “aramid”. Aramid glass fibers are named according to their chemical bonds as metaaramid and paraaramid.

Fire retardant aramid glass fibers are produced by many companies. These aramid fibers are released to the market in different brand names.

Paraaramid glass fibers have higher resistance and better flame retardant properties than metaaramid glass fibers. These glass fibers in various brands and names show similar properties.

Some aramid fiber manufacturers and their brand names are shown below.

Meta-aramid (Polymeta-phenyleneisophtlamide)

Nomex® (DuPont – USA), Conex® (Teijin – Japan), Aramet® (Teijin – Japan), Kermel® (Kermel Rhodia-France), New Star® (Yantai Spantex- China)

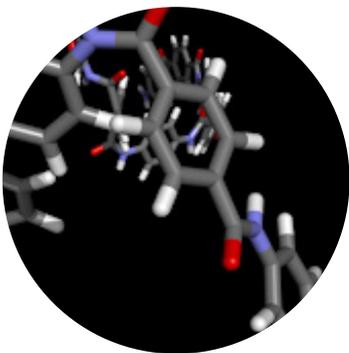
Para-aramid (Poly-para-phenylene Terephtlamide)

Twaron® (Teijin – Japan), Technora® (Teijin – Japan), Arenka® (Akzo- Netherland), Kevlar® (DuPont – USA), ARTEC® (JSC Kamenskvolokno – Russia)

Heat and flame retardant clothes are manufactured from these aramid glass fibers or blends which are manufactured with highly advanced technology. Performance of the fabric is determined by the blend rate of the aramid used in the fabric. With the determined performance properties, these fabrics can be used in various areas as stated below.

- Industry (petrol & gas, cement, aluminum & iron-steel, foundry, marine, search and rescue etc.)
- Electricity Distribution Companies, Military, Police Forces, Forest Firefighting
- Marine Firefighting, Fire Brigades
- Places or situations where the heat and flame may occur such as tanker fires, plane fires, disasters.

The main priority is the risk of the environment. After making a proper risk analysis, what type of fabric and what kind of garment to be used is determined and the protective clothing types that can be chosen is as explained below according to the type of the heat and flame and dangers of the environment. These garments can be produced as single or multi layered according to the risks.



Molecular structure of aramid chain



Structural Firefighting Suits

FYRPRO® series fireman suits are manufactured as per EN 469:2005 standard and certified as per (EU) 2016/425 PPE Regulation as a requirement of Turkish and European Regulations.

FYRPRO® series firefighting suits—Fireman Clothings are Multi-layered and specially designed for the purposes which are more risky and dangerous. Protects against flame and also prevents the contact of chemicals and water to the skin (thanks to its moisture barrier that is breathable and has high penetration resistance).

Protective clothings used in firefighting are technical garments for professional purposes that need to be used by trained individuals. For this reason, not only manufacturers but also marketers must learn the technique and present it to end users. Manufacturers should not content of what they have and must apply to the latest versions of the standards and follow the innovations in their production.

Authorities in the firefighting departments, where these clothings has to be used, must be selective in choosing these garments, that is because they are protective equipment against fatal injuries and examine the conformity of the related standards.

IST Safety Ltd releases technical firefighting suits to the market in the brand of FYRPRO and aluminized fire proximity suits, which are used in different firefighting techniques, in the brand of FYRAL.

EN 469:2005, which is the standard or fireman suits, standard defines the lowest limits of fire resistance of different heat types, and also includes the lowest value of the suit against water pressure and highest resistance values against water vapor permeance. They are categorized as Level 1 and Level 2 according to these factors. Level 2 suits provides the best protection and maximum comfort.

Main purpose of fireman suits is the protection of the user against heat stress. This is provided by using the high heat resistant layers and keeping the user dry. The greatest fact in the firefighting “Water” is fatal if stays on the firefighter.

Because water, transmits heat faster than air (21 times faster at 90 C), if the water is vapor, this will be much faster. In this respect, it is very important to preserve air spaces between layers used in the fireman suits. For this reason, moisture barriers in layer system are used. This barrier shows resistance to the water from outside and does not let the water in, also evacuates the moisture from sweating through the micro pores. Provides comfort and keeps the user dry.

Fireman suits are generally formed with 4 main layers.

- Outer layer (Fire retardant fabric which is resistant against heat and mechanical effects, water repellent)
- Moisture Barrier (PU or PTFE membrane laminated on aramid based conductor)
- Heat Barrier (Double or single layered, generally non-woven fire retardant layers)
- Inner Liner (May be quilted on heat barrier, low weight and comfortable fire retardant fabric)

What is the meaning of X, Y, Z and Level 1, Level 2 Protection Levels at fireman suits?

Two different performance levels are described in EN 469:2005 standard; level 1 and level 2. Level 2 suits provide higher protection than level 1 suits. Fireman suits should be marked according to their performance levels.

For instance, X2, Y2, Z2 indicates level 2 suit or X2, Y2, Z1 indicates level 1 suit.

X defines the heat transfer level for flame and radiation.

Y defines the water penetration level.

Z defines the water vapor resistance level.

Following table shows related test methods and requirements for level 1 and level 2.

TESTS	TEST METHOD	PERFORMANCE LEVELS			
		Level 1	Marking	Level 2	Marking
HEAT TRANSFER-FLAME	EN 367	HTI24 ≥ 9 s HTI24-HTI12 ≥ 3s	X _f 1	HTI24 ≥ 13 s HTI24-HTI12 ≥ 4s	X _f 2
HEAT TRANSFER-RADIATION	EN 6942	RHTI24 ≥ 10 s RHTI24-RHTI12 ≥ 3 s	X _r 1	RHTI24 ≥ 18 s RHTI24-RHTI12 ≥ 4s	X _r 2
RESISTANCE TO WATER PENETRATION	EN 20811	Level 1 < 20 kPa	Y1	Level 2 ≥ 20 kPa	Y2
WATER VAPOUR RESISTANCE	EN 31092	Level 1 > 30 m2Pa/W	Z1	Level 2 ≤ 30 m2Pa/W	Z2

Routine Inspection Guide For FYRPRO® Series Fireman Suits

FYRPRO® fireman suits should be inspected in every six months, and after each use regardless of the last inspection date.

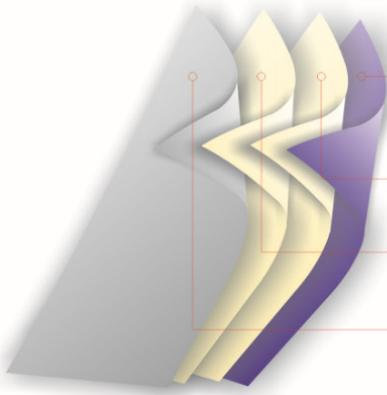
When performing a routine inspection for your fireman suit check for any;

- Thin spots
- Holes
- Tears
- Discoloration
- Embrittlement
- Bad smell due to humidity or fumigation
- ✓ If your suits has reinforcements on knees, elbows and/or shoulders, examine the reinforcements.
- ✓ Check elasticity of knitted cuffs and check thumb hole for any damage.
- ✓ Check for seam integrity. Any missing, loose, burn, torn or melted seams should be noted, and authorised people should be informed.
- ✓ Check for reflective trim functionality. Stand in a dark place, at least 20 feet away from

the suit. Hold a flashlight and check the reflectiveness of the reflective tapes.

- ✓ Inspect all closure systems to make sure each is intact and operates properly.
- ✓ Examine hook and loop closure for worn, abraded or melted pieces. Objects that accumulated on hook portion may affect the performance of the closure system.
- ✓ Examine all zippers for functionality and corrosion.
- ✓ Examine shoulder suspenders on trousers, make sure they attach securely and examine for loss of elasticity.
- ✓ Check the label of the suit, the standard of the suit should be up to date.
- ✓ Shelf life of our fireman suits is 10 years under the proper storage conditions in its own packaging. If any damage occurs, it is recommended not to use the suit and to consult the fire fighting department or your employer immediately.

Shelf life of our fireman suits is 10 years under the proper storage conditions in its own packaging. If any damage occurs, it is recommended not to use the suit and to consult the fire fighting department or your employer immediately.



OUTER LAYERS: HEAT PROTECTIVE FC - FLUOROCARBON FINISHED WATER REPELLENT OUTER LAYERS
 NOMEX® OUTERSHELL TOUGH, PBI® KEVLAR®, NOMEX® ADVANCE

MOISTURE BARRIERS: THE BREATHABLE MOISTURE BARRIERS GIVES PENETRATION RESISTANCE AGAINST TO WATER OR OTHER LIQUIDS.
 100% ARAMID OR ARAMID - MELAMIN MIXTURE+ PU MEMBRANE.

HEAT BARRIERS :THE HEAT BARRIERS PROVIDE THERMAL ISOLATION
 100% ARAMID OR ARAMID - MELAMIN MIXTURE.

INNER LAYER : THE INNER LAYER PROVIDES COMFORT.
 NOMEX® COMFORT , NOMEX® VISCOSE

Aluminized Fire Proximity Suits

FYRAL® Series fire proximity suits are professional technical suits that are need to be used by trained individuals. They are used in various firefighting techniques other than special designed FYRPRO® series structural firefighting suits. Employee must decide which firefighting suit should be used after making the risk analysis in case of fire.

FYRAL® series expert fireman suits – Aluminized fire proximity suits: They are used in the most dangerous fire zones. Protects entire human body including head, hands, eyes and feet by covering entirely. It is produced as multi layered. Aluminized outershell fabrics are used to reflect the radiant heat in the areas where the radiant heat occurs.

FYRAL® series fire proximity suits are manufactured as per EN 1486:2007 standard and certified as per (EU) 2016/425 PPE Regulation. Basically, the standard defines the lowest heat resistant limits for different heat types.

FYRAL® series fire proximity suits which have EN 1486:2007 standard are used with self contained breathing apparatus (SCBA) and aims to protect the user from heat stress by reflecting radiant heat. For this reason, special aluminized fabric is used as the outer layer which has pre property of reflecting the radiant heat.

- The suits are formed with 3 or 4 main layers. Moisture barrier is optional and can be added according to area of use.
- Outer layer (Fire retardant fabric which is resistant against heat and mechanical effects, water repellent)



- Heat Barrier (Double or single layered, generally non-woven fire retardant layers)
- Inner Liner (May be quilted on heat barrier, low weight and comfortable fire retardant fabric)
- Moisture barrier is optional.

FYRAL® series suits are delivered with special aluminized gloves and rubber fireman boots in a special carrying bag. These complementary products must also conform to their own standards and must be supplied as a complete set as the suits is certified entirely with all accessories. In these kinds of suits, no body parts remain uncovered and a head protective helmet and gold vaporized reflective visor are included in the hood.

Heat and Flame Retardant Clothings for Industry and General Purpose

FYRTEX® series heat and flame protective clothings are for industrial workers who expose to heat. Area of use is briefly forest firefighting, working with oil and gas which has risk of explosion at industry, welding and it is protective against heat and flame, electrical arcs, molten metal splash and can also be used by law enforcement forces. It is generally produced as single or double layered.

Under normal circumstances, a healthy body temperature is controlled by skin and sweating mechanism. But, if the worker exposes to direct flame or high temperatures for a long time, natural body mechanism may not stabilize the heat.

This may cause serious injuries. At industry and other working places, according to area of work, workers are subject to various types of thermal dangers such as direct exposure to the flame, radiant heat, convective heat, molten metal and welding splashes, thermal dangers of electrical arc etc.

Special heat and flame retardant clothings are designed to provide protection against these dangers mentioned above. Different European standards have been published to define the performances of these protective clothings by European Standardization Institutes. FYRTEX® series heat and flame protective clothings, developed by IST Safety Ltd., are produced to satisfy the needs and expectations in hazardous areas.

Protection against heat and flame	EN ISO 11612
Protection against the thermal hazards of an electric arc	EN 61482 1-2 Class 2 (7 kA) *Class 2 : Highest protection level according to the standard.
Protection against molten metal splash	EN ISO 11612 / ISO 9185
Protection against welding splashes	EN ISO 11611
Protection against radiant heat	EN ISO 11612 / EN ISO 694
Anti-static properties	EN 1149-5

Protective clothings certified under EN ISO 11612 standard, are categorized according to below performance levels.

- A: EN ISO 15025 – limited flame spread (from 1 to 2)
 - B: ISO 9151 – Convective heat (from 1 to 3)
 - C: EN ISO 6942 – Radiant heat (from 1 to 4)
 - D: ISO 9185 – Molten Aluminium splash (from 1 to 3)
 - E: ISO 9185 – Molten Iron splash (from 1 to 3)
 - F: ISO 12127 – Contact heat (from 1 to 3)
- *D3 and E3 level are the highest protection levels for molten aluminium and iron splashes.

Test Standard	Marking	Classification
EN ISO 15025 / Limited flame spread	A1	According to Procedure A
	A2	According to Procedure B
	B1	4.0 sec < HTI ₂₄ < 10.0 sec
ISO 9151 / Convective heat	B2	10.0 sec < HTI ₂₄ < 20.0 sec
	B3	20.0 sec < HTI ₂₄
	C1	7.0 sec < RHTI ₂₄ < 20.0
EN ISO 6942 / Radiant heat	C2	20.0 sec < RHTI ₂₄ < 50.0 sec
	C3	50.0 sec < RHTI ₂₄ < 95.0 sec
	C4	95.0 sec < RHTI ₂₄
	D1	100g < D1 < 200g
ISO 9185 / Molten aluminium splash	D2	200g < D2 < 350g
	D3	350g < D3
	E1	60g < E1 < 120g
ISO 9185 / Molten iron splash	E2	120g < E2 < 200g
	E3	200g < E3
	F1	5.0 sec < T (sec) threshold value time < 10.0 sec
ISO 12127 / Contact heat	F2	10.0 sec < T (sec) threshold value time < 15.0 sec
	F3	15.0 sec < T (sec) threshold value time



Protective Clothings against Electrical Arc Thermal Effects

An arc flash (also called a flashover) is the light and heat produced as part of an arc fault, a type of electrical explosion or discharge that results from a low-impedance connection through air to ground or another voltage phase in an electrical system.

ELECTPRO® series arc flash suits are certified EN 61482 standard and categorized Class 1 (tested against 4 kA) and Class 2 (tested against 7 kA). Class 2 is the highest level that can be reached in order to enable protection against electric arc according to the European standard.

Dangers of Electric Arc

Electrical arcs can produce the highest temperature on earth (10.000 – 20.000 oC). This is four times hotter than the sun. All known materials melt at this temperature.

As a result of arc flash, erupting gas and air can spread melted metal for long distances and loud noise up to 140 dB can cause permanent hearing loss.

Another physical reaction in the progress of arc is pressure. Huge pressure about 1.400.000 kgf/m² is pressurized on the chest of the individual who exposed to the arc radiance and this may destruct the clothings. Arc radiance can ignite the clothing

within half or 1 meter away. If the clothing of the individual melts, covered parts may cause worse burns than the naked body parts exposed.

As a result, electrical arc can generate energy in extremely dangerous levels, can cause fatal burns. High majority of the ones who go to the hospital in case of an electrical accident is not generally from electric shock, but electrical arc accidents. High degree burns and deaths as the result of these accidents are because of the ignition and burning of the clothing which are not fire retardant.

Who is at risk?

- Car maintenance services
- Chemical facilities
- Food processing factories
- Hospitals
- Hotels
- Metalworks
- Paper and pulp factories
- Petrol rafineries
- Printworks
- Showrooms – shopping
- Transportation
- Electricity generating plants and distribution companies

The Properties of Arc Flash Protective Suits

Acetate, nylon, polyester, silk or blends of these fabrics must not be worn in hazardous areas. In places where the risk of burning and flaming risk is present, suits made of flame retardant fabrics must be used. Flame retardant fabrics are named in two different classes by their heat insulation type.

– Flame retardant fabrics:

Cotton, cotton/polyester blend, cotton/polyamide blend fire retardant fabrics do not lose their flame retardancy properties up to specific time of wash. These type of Cotton FR treated fabrics are 50–100–150 times washable fabrics according to the instructions of the manufacturer.

– Inherently flame retardant fabrics:

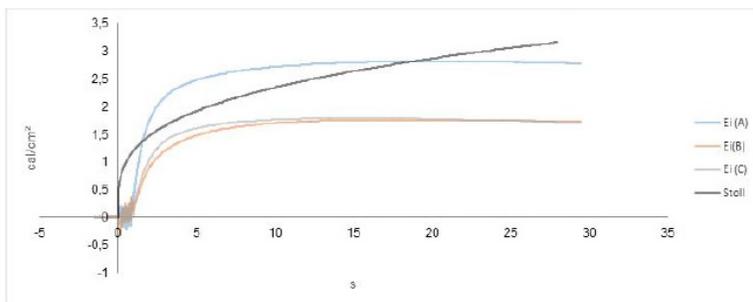
Some fabrics which are made of glass fibers like Aramid (meta-aramid or para-aramid), Viscose FR are inherently flame retardant. These fabrics do not lose their fire retardancy properties even after many washes. However, they are two or three times expensive than chemical finished (treated) fabrics.



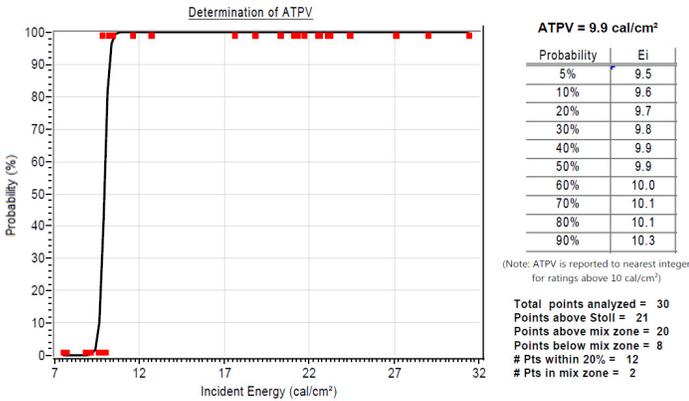
Regulation and Standards

IEC 61482 1-1 and IEC 61482 1-2 standards have been published by IEC to define test methods for the suits and materials used in arc flash suits which are for the workers who are exposed to electrical arc.

IEC 61482 1-1: is to measure the Arc Thermal Performance Value (ATPV) of the layer system of the suit. 8 kA Electric arc is applied in 120 degree angles from three different spots for 167 ms. Heat increase values are recorded by a calorimeter behind the material. These values are transferred on a table and a curved line is drawn. Test result must show that %50 of these measured values must be below the mentioned values.



IEC 61482 1-2(EN 61482 1-2): is published if the protection is provided or not against heat produced by Electrical arc according to safety requirements for lowest and highest levels defined in the standard for entire suits and fabric layers system. Electrical arc is applied from 30 mm for 500 ms. Heat increase values are recorded by a calorimeter behind the material. These values are transferred on a table and a curved line is drawn.



Test Results

Melting: Not allowed.

Burning: 5 seconds or less.

Hole: May be spotted on outer layer, max 0,5 cm is allowed for inner liner

Heat transmission values: All measured values must be below stoll curve.

In both standards, the exposed energy value is set forth as 423kWs/m². However, IEC 61482-1-1 standard, which tests higher level of electrical arc, must not be seen as a better test method than IEC 61482 1-2. Because IEC 61482 1-1 is applied in an open environment where arc energy spreads through the air and also time of the exposure of the arc is lower than the other standard.

In IEC 61482 1-2, for level 2 test is applied for 7 kA in a closed box where arc is created and applied on the material, energy do not spreads. All energy directly penetrates the material. Test result evaluation is more comprehensive and longer electrical arc energy is applied. Consequently, IEC 61482 1-2 standard require more criteria than IEC 61482-1-1 certification and conforming the standard conditions are more difficult.

Why is the product label so important in protective clothings?

The label on the protective clothing is an important part of product safety under the (EU) 2016/425 PPE Regulation. Product label is crucial for personal protective equipments and protective clothings. It is the identity card of the product that is bought.

The accuracy of the information on the label is jointly the responsibility of the manufacturer and the seller/distributor. In terms of market control, end users and authorized institutions and organizations are obliged to check the accuracy of the product and its label.

What information should be on the label?

- Trade name and address of the manufacturer
- Fabric content (content and blends of fabrics in the whole layer system if it is multi-layered) including registered brands.
- Brand name, model, stock code (P/N) information of the product
- The standard for which the product is certified and standard performance values
- 4-digit code number of the independent notified body that certifies the product
- Pictograms related to product standard and washing instructions
- Checking the certificate and label of the product you purchase is necessary for you to use the right product.

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- Always achieve correct guardrail heights
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“Working from home... Who is responsible for my safety & health?”

| Zephan Chan Yu Yun

“Telecommuting”, “Remote Working” or simply working from home (WFH) is becoming the default mode of working for many organisations throughout the world during the current COVID-19 Pandemic. While many are new to experiencing working from home, this is not at all a new working model.

Not a new working model

When we reflected on the earlier stages of human civilization and work organisation, many work were largely confined in the home of the individual; farming and husbandry. During the agrarian society, aristocrats then began to hire labourers or buy slaves to cultivate their massive land and caring for their herd of cattle, resulting in the earliest record of employment. These labourers would most likely be staying on the farm where they work, hence making their home within the workplace. With the world progressing into capitalism, the concept of a common workplace brings individuals together to do their daily work where returning to their homes had become mainstream.

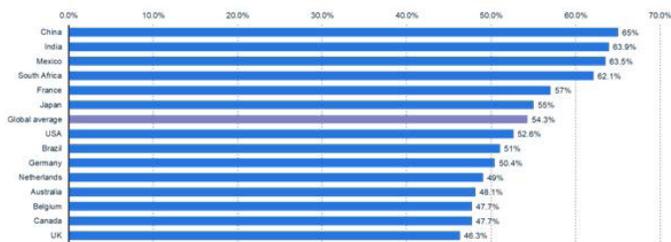
In recent years, remote working has increased due to the availability and enablement of many new remote working applications. There are many

different opinions on the effectiveness of this working model. Some praise the idea; others have doubts and many are still unsure. A survey in 2017 conducted by Regus reveals a global average of 54.3% business executives work remotely at least half their work week.

What are the Safety and Health risks involved?

When working from home is not well planned many hazards will be left unaddressed. The typical home may not be designed to give enough room for a proper workstation, other equipment (e.g. display monitor, printers); resulting in ergonomic hazards. Improper cable/wire management increases risk of trip and falls, not only to the employee but the others living in that same space. Use of power extension sockets may be required, hence increasing the risk of an electrical fire.

Share of business people working remotely 2.5 days a week or more in selected countries worldwide as of 2017



Note: Worldwide, January 2017. 20,000 respondents, among business people. Source: Gallup. Statistics estimate. © 2018 Gallup

Another significant but unobtrusive hazard would be the mental wellbeing of the employee. When working from home the boundary between work and personal life would inevitably be blurred. During the COVID-19 situation, an employee working from home is likely to be responsible with other demands of home life (e.g. Child minding, home chores). These are on top of their WFH. So while one may be struggling to keep up their work performance and complete their deliverables, ensuring safety and health is not likely easy without support.

Who is responsible for my safety & health

The employer maintains health and safety obligations to employees when they are working from home. This includes the broad duty to provide a working environment that is safe and without any risks to health. Under the employer-employee relationship, the employee is rewarded with an agreed amount of monies when they complete and perform the tasks assigned. The employer ought to ensure that the task can be performed safely or mitigate any foreseeable risk. When the unfortunate event of an accident occurs during the course of employment, the employer will be responsible to compensate for the injuries.

The employer also usually assumes another role; owner or occupier of the workplace, machinery and all other fixtures. This implies that when even the accident did not occur during performing of work (e.g. employee trip and fall on the way to the toilet), the employer (also being the occupier) will still be liable. So when an employee performs work at a location owned or managed by their employer the liability of safety and health is clear most of the time. But with working from home,

the employees themselves manage the space, furniture and the entire infrastructure hence the liability regime turns grey.

So there are several questions surrounding occupational safety and health liability when working from home. Are employers still liable for accidents when the accident occurred in a place that they have no control over? When working from home, what activities can be considered a course of employment? To answer these questions, we can review some case precedents and work safety and health liability regime from some countries.

Australia

Hargreaves and Telstra Corporation Limited [2011] AATA 417

In 2006, Dale Hargreaves, an employee of Telstra, fell down the stairs at home twice and later caused her inability to work. She was assigned to working from home at least two days weekly, with Telstra paying for the laptop computer, mobile phone and internet access. She later filed for a worker’s compensation claim against Telstra and was awarded damages.

In the first fall, Ms Hargreaves was taking a break from work and had a walk down the stairs to obtain her cough syrup. The Court was clear that the employer liability remains for injuries that occur while relieving necessities of nature, such as while on a lunch or toilet break. In the second floor, Ms Hargreaves received instruction from her superiors to lock her door when working from home, and since the fall occurred in the process of locking the door, the injury was deemed to have occurred during work.

Singapore

Pang Chew Kim (next of kin of Poon Wai Tong, deceased) v Wartsila Singapore Pte Ltd and Another [2011] SGHC 194

In 2008, Poon an employee of Wartsila Singapore suffered a cardiac arrest and passed away while on a business trip in Cambodia. At that time, he was in his hotel room waiting for another colleague to pick him up for a morning meeting. Initially, the Commissioner for Labour (Singapore) dismissed the work injury claim stating that the incident

was not caused by an accident arising out of and in the course of employment. However, the High Court (in the appeal) later reversed that decision and redefined the meaning of “course of employment”. While this case is not strictly working from home, the case redefined employer liability. In sentencing, Justice Tay Yong Kwang viewed that the Work Injuries Compensation Act (Singapore) must continue to be relevant to the realities of contemporary working environments and conditions. Increasingly, work is no longer confined to specific places and times, especially for white-collar employees”.

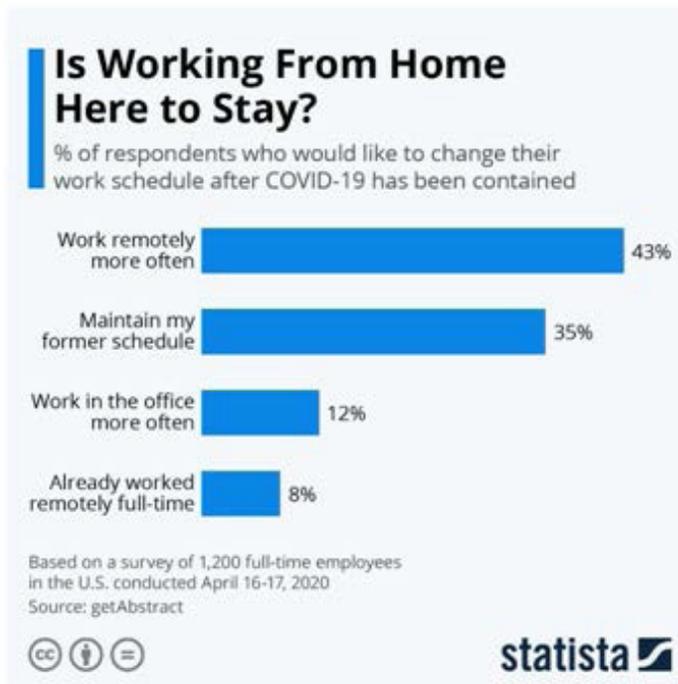
Minister of State for Manpower Singapore, Zaqy Mohamad said in the parliament, “*Work-from-home arrangements do not change an employer’s responsibility for work injury compensation*” clarifying on the treatment of work injury compensation when the employee’s home is the workplace.

So it is clear that employers should ensure that employees can continue to stay safe and healthy while working from home. Similar to all usual work arrangements, the need to conduct a risk assessment and management remain important. The employee should be trained to perform a risk assessment in their home prior to commencement of work. Check that their home should have access to suitable furnishings and equipment that can support safe and healthy work. Lighting and ventilation are also important factors.

The New Norm

Working from home will likely become more common even in the post-COVID-19 world. 43% of respondents in the U.S. suggested that they prefer to work remotely more often. Another survey conducted in Singapore revealed that more than 80% seem keen to continue working from home after the recent circuit-breaker.

The current rush to implement WFH due to the pandemic is only a temporary measure to keep the economy and business going. Hence, many organizations may have neglected the needs to care for safety and health while adopting this work model. However, if WFH is going to become more mainstream, both the employer and employee themselves should not underestimate the hazards and risk involved.



More support resources can be found at <https://www.safehomeworking.org>

Zephan Chan Yu Yun
 Director of Operations
 Institute of Occupational Medicine (IOM)
 Singapore

Zephan has extensive working experience as occupational health, safety, and environmental consultant to various industries and public organizations in Singapore and the region. He is a Registered Industrial Hygienist and leads the Occupational Hygiene team providing research and consultancy services in the region. Zephan also serves as adjunct faculty for the University of Newcastle (Australia) and Leeds Beckett University (UK) teaching various subjects including ergonomics, research, and other occupational health topics. He is an accredited trainer for the British Occupational Hygiene Society and delivers various accredited courses. Over the years, Zephan had trained many occupational hygienists and H&S professionals in the region.

**DESIGNED FOR
UNEXPECTED HEROES™**

ZOLL®

At ZOLL®, our mission is to provide intuitive and intelligent AEDs in every public space around the world that enable bystanders to act quickly, appropriately and with confidence in sudden cardiac arrest (SCA) emergencies.

All our AEDs are designed to remove the guesswork of responding to an emergency and support unexpected heroes throughout the rescue. Together with our distributor partners, we are by your side, helping you save lives.

SMART

Real-time CPR Feedback:

Voice, text and visual prompts from ZOLL AEDs guide rescuers to deliver the optimal rate and depth of chest compressions. ZOLL's real-time feedback gives an SCA victim the best chance of receiving life-saving, high-quality CPR.

Interactive and Intuitive:

ZOLL AEDs provide step-by-step instructions and corrective guidance throughout the rescue.

Rescue Confidence:

Designed for ease of use - from applying electrode pads and performing CPR to delivering a shock, you have peace of mind with a ZOLL AED as your rescue partner.

READY

Rescue Ready® Services:

From tracking expiration dates for electrode pads and batteries to maintaining responder training status, you can count on ZOLL to help you manage your AEDs.

Automated Self-testing:

A series of patented self-tests verifies that the internal circuitry, battery and electrode pads are fully functional, so you know your ZOLL AED will be ready to use when the moment arises.

Designed for Durability:

Designed to withstand harsh environments and temperature extremes, ZOLL AEDs are highly resistant to dust and moisture.

TRUSTED

Mission-Focused:

Our AED technology innovations allow rescuers to act quickly and confidently to help save lives.

Legacy of Excellence:

A pioneer in resuscitation technology, ZOLL has been empowering first responders and unexpected heroes around the world for more than 25 years.

[Learn more](#) about ZOLL AEDs today. Click [here](#) to request a product demo.

FIRST AID



Buyer's Guide to the Right AED

ZOLL

Selecting the right automated external defibrillator (AED) can seem like a daunting task. There are considerations for using the devices properly, training staff on its use, and maintaining the equipment over time. Worry not, this article was written to give you some real-world insights into a life-saving equipment that many consider as being all the same. In truth, not all AEDs are created equal.

Some Background on AEDs

Sudden cardiac arrest can strike anyone at any time or anywhere, even if they appear healthy. The chances of survival are less than 1% worldwide. If CPR is performed immediately and an AED is used on a SCA victim within minutes, the victim's chance of survival doubles or triples.

An AED is used to treat victims of sudden cardiac arrest (SCA), a condition which causes the heart to abruptly stop beating. An AED automatically analyzes the victim's heart rhythm and advises of the need to deliver an electric shock, called defibrillation, if needed.

8 Key Considerations Before Buying an AED

1. Upfront vs. Lifetime Cost

It is a common mistake to just focus on the initial upfront cost of an AED. Typically, good quality AEDs last for over 10 years, and in this period of time, accessories such as batteries and electrode pads need to be replaced after use or when they expire.

Consider the upfront vs. lifetime cost of maintaining these AEDs - while the entry cost of some AEDs are low, the accessory replacements add up. A good example comes from printer manufacturers that sell inkjet printers at a low price, but gain more from consumables that add up over a lifetime.



2. Batteries and Electrode Pads



Most AEDs designed for non-professional use comes with non-rechargeable batteries. If you are a healthcare professional, rechargeable batteries would be more suitable for more frequent

AED use. Some AEDs even come with consumer lithium ion (CR123) batteries available from retail shelves.

Longer-lasting batteries and pads require fewer replacement parts, adding up to considerable cost savings over the life of the AED. If these consumables need to be replaced often, there is a high chance that these tasks will be overlooked – the benefits of longer lasting consumables add to ensure rescue readiness for a cardiac arrest emergency.

3. CPR Feedback Technology

There is ever more emphasis on the delivery of high-quality CPR by international resuscitation councils, linked to improvement of survival and neurological outcomes in victims of sudden cardiac arrest.



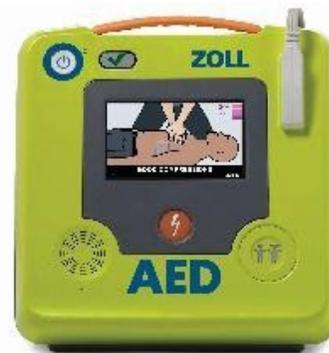
High quality CPR, defined by the American Heart Association

(AHA), consists of 5 critical elements: provide compressions of adequate rate and depth, minimize interruptions in chest compressions, avoid leaning between compressions and avoid excessive ventilation.

However, AHA acknowledges that there is much variation in the performance and monitoring of CPR and as such, SCA victims often do not receive high-quality CPR – this results in an obstacle to increase survival from cardiac arrest.

All ZOLL AEDs guide rescuers through the process of performing high-quality CPR and will, if needed, deliver a potentially lifesaving shock to the heart. Real-time feedback technology from ZOLL guides rescuers on optimal rate and depth of chest compressions through voice, text and visual prompts that help ensure the delivery of high-quality CPR.

4. Intuitiveness for Rescuers



All AEDs are built for ease of use, but there are slight differences and nuances in the design and operations of AEDs that can significantly affect how easy it is for an inexperienced rescuer to operate them. In an emergency, the ease of use of an AED increases the confidence of rescuers and shaves off valuable time. Elements to consider include:

- Does the AED have easy to follow graphical instructions on the front to guide infrequent rescuers?
- What verbal and visual prompts does it offer? Rescuers from different backgrounds respond to different cues – verbal and visual. An AED with integrated verbal, graphical and text prompts that will give universal support to all types of rescuers.

- Does the AED guide a rescuer in performing CPR? Most AEDs will have prompts to get the rescuer to start CPR. CPR is difficult to do. Even for medical professionals, doing good CPR is guesswork unless they have a way of monitoring their CPR quality. For lay rescuers, having an AED with real-time CPR feedback technology will ensure that CPR is performed according to recommended guidelines.
- Does the AED include accessories critical to a rescue (e.g. pair of scissors to cut up clothing, razor to shave excess hair, gloves, CPR barrier mask, towel, etc.)? These are typically sold separately to keep the costs down, but having these accessories packaged within the AED in a visible place is valuable when time is of the essence.

5. Environment

Environmental factors need to be taken into consideration when planning your AED purchase. For example, if you are buying an AED for a site that expects a combined traffic of adults and children such as a school or shopping centre, an AED with universal electrode pads for both adults and children is highly beneficial as it saves time when deploying it for a child rescue, and saves financial resources because typically paediatric electrode pads come as an add-on.



If your AED will be installed outdoors, consider a more rugged AED that has higher ingress protection (IP) rating, which defines resistance against the intrusion of dust and water. An AED that is deployed in an environment with different rescuer profiles such as an office with onsite medical services could benefit from an AED that is easily programmed for use by either a non-professional or professional rescuer.

6. Ongoing Ease of Maintenance

Some organizations just buy an AED, some may even purchase hundreds that are deployed all over its facilities across an entire country.



AEDs require routine inspections to ensure that it is always functional in preparation for an emergency. All AEDs run weekly self-tests, but AED coordinators need to inspect the AEDs to ensure that the AEDs have passed its self-tests.

It may be challenging when an AED coordinator has more AEDs to inspect that span across a larger site, hence some AEDs have network connectivity ability to automatically update its readiness status to a software that AED coordinators can rely on for automated updates. The health and integrity of every AED cannot be overlooked, as they need to remain ready for an emergency.

7. Training People in CPR and AED Use

Deciding which AED to install in your facility may not be the most important decision you make. In a successful rescue, it's the rescuer who makes the save, and not the AED. Properly trained and supported, rescuers will have the presence of mind, courage to act quickly and decisively. Thus, it's important to have a plan to maintain rescue-readiness in your organization – someone needs to track who is trained and keep their training current. An additional plus point? Running regular education in the organization on the importance of CPR and using an AED, recognizing a cardiac arrest, and what to do in an emergency.

8. AED Manufacturer Support

With a larger, more established manufacturer, there can be peace of mind in terms of accessing support and customer services. Because AEDs are lifesaving medical equipment, it is advisable to stick to reputable manufacturers in the market. Manufacturers with a United States Food & Drug Authority Pre-Market Approval (USFDA PMA) clearance adhere to the strictest regulatory agency globally and it's worth looking at what they have to offer. The PMA is the USFDA's

process of scientific and regulatory review to evaluate the safety and effectiveness of life-sustaining devices before they can be marketed in the US.

Reputable manufacturers will provide you with a level of confidence in product quality, after sales support and warranty, as well as a continued supply of consumables. Other factors in the company's track record to consider are:

- Does the company specialize in manufacturing defibrillators?
- Is the company recognized for developing innovative features or are they a me-too player?
- Is the company a single-product company which carries a risk of business sustainability?
- Does the company have a good track record of deploying AED projects of various sizes?

Each facility is unique and will have different requirements. To implement a successful AED programme in your organization, ZOLL's product specialists will take the stress out of learning about AED requirements in your facility by offering guidance based on industry standards.

About ZOLL

A world leader in resuscitation technologies, ZOLL Medical Corporation was named after founder Paul M. Zoll, M.D., a pioneer in cardiac pacing and defibrillation.

ZOLL has developed the best-in-class and technically superior products that work as a system to help improve survival rates from sudden cardiac arrest.

ZOLL markets its products in more than 140 countries worldwide that save lives every day, including automated external defibrillators (AED) for lay rescuers. Our AED technology innovations provide rescuers with the tools to act quickly and confidently to help save lives.

Visit www.zoll.com to learn more.

Legal Obligations

Rebecca Kelly

When we examine the risks associated with occupational health and safety, one of the highest risk occupations is the construction sector. Globally construction injuries and deaths account for over 30% of workplace accidents, and of those accidents researchers have estimated that close to 50% of accidents in the construction sector are related to working from height challenges. Working from heights poses so many more additional risks to construction workers, and a thorough understand on how to prevent these accidents is critical for every company. It is therefore of critical importance that company owners and managers have a thorough understanding of the applicable laws governing the operations they undertake in the jurisdictions they conduct work in. Such an understanding ensures compliance to local laws and customs providing protection to both business and staff, seamless running of day-to-day business operations and a firm foundation in business strategies.

Laws differ not only across the various countries in the Gulf, but also within the counties. By way of example, the UAE does not have a set of standalone laws addressing health and safety requirements, health and safety provisions will understand their obligations are set out across various laws and regulations and Codes of Practice implemented at both the Federal and Emirate level. Initially, the UAE Labour Law established the foundations of health and safety law in the UAE, imposing a number of mandatory obligations on employers to comply with the safety measures prescribed by the Federal Ministry of Human Resources and Emiratisation (Formerly the Ministry of Labour) (the **Ministry**). Despite the rapid pace of the United Arab Emirates' development, modifications to the legal framework governing the health and safety and welfare of the country's labour force have been relatively modest over the past decade, with the principal obligations for all employers still found in the Labour Law.

The minimum requirements to which employers must adhere, including the provision of individuals trained in first aid, is the availability of medical facilities complying with the standards imposed by the Ministry, general medical examinations of employees at six month intervals, and employee training on occupational hazards prior to commencing employment. UAE ministerial decisions following the implementation of the UAE Labour Law have sought to improve the standards of medical care provided for employees, regulate the laws concerning hazardous works, and place greater protection on employees working in remote areas and locations.

The UAE Labour Law sets out the penalties imposed for breach of health and safety law. Liability can include criminal sanctions, civil compensatory damages and other administrative penalties. Ministry of Labour inspectors also have the power to levy fines, temporarily or permanently close down establishments or suspend the use of equipment that violates applicable safety standards. They can also impose penalties (which may be compounded in the case of repeat offences) up to a maximum of AED 5 million.

Companies should always be prepared to respond to an health and safety incident in the most effective manner, recognising that the health and safety of their workers is paramount. Regulations addressing working from height, and preventing objects falling from height are of paramount importance to all companies operating in the construction sector, whether they are based in the UAE or globally. However, the regulations alone cannot change an individual's behaviour, and only an improvement in the safety culture through the training and implementation of applicable robust policies will lessen the risk of working from height accidents. Every jurisdiction will have some form of legislation, but the most recognized means to reduce working from heights injury is comprehensive and thorough training of all staff.

Rebecca Kelly
Partner Morgan Lewis & Bockius LLP Dubai



Representing both the UAE and international entities both regionally and internationally, Rebecca Kelly counsels clients on arbitration, litigation, corporate and regulatory compliance, regulatory investigations, occupational safety and health and white collar crime issues. In every issue, Rebecca will address your questions, so do send in your questions to: askthewriter@wshasia.com

Morgan Lewis



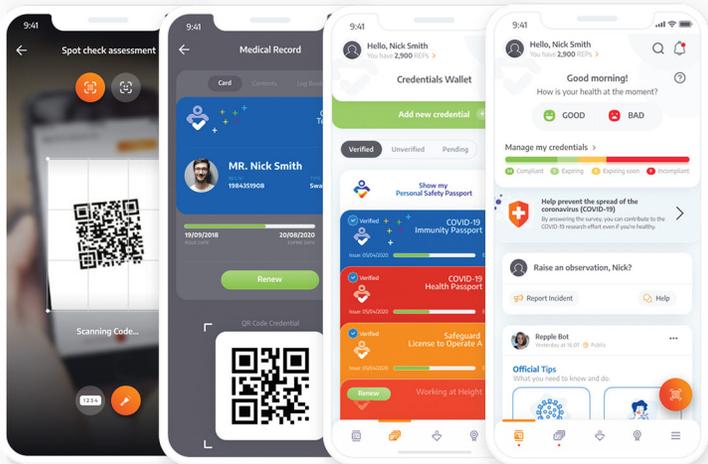
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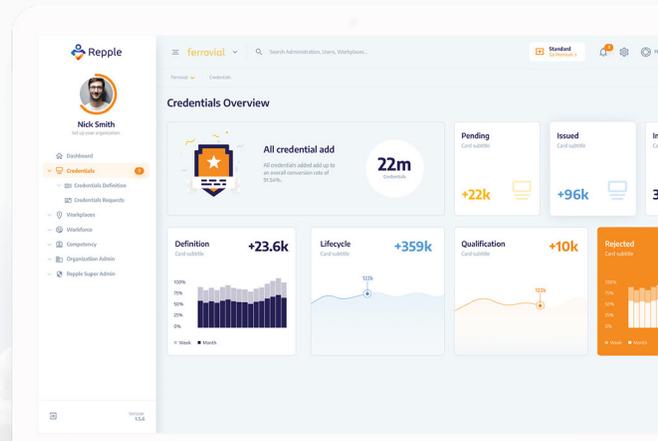
COVID-19 SYMPTOMS SURVEY

By answering the survey, workers can contribute to the Covid-19 research effort even if they are healthy.



RISK MITIGATION DASHBOARD

Manage business risk profile, tracing transmission during a crisis, while benefiting from transparency with stakeholders.



LET'S SCHEDULE A DEMO

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Established in 1964, JSP® is internationally recognised as the leading manufacturer of innovative 'above the neck' Personal Protective Equipment specialising in Head, Eye, Face, and Respiratory Protection.

With state-of-the-art manufacturing and testing facilities in 8 factories over 4 continents, JSP® is committed to improving occupational safety, health, and well-being of people in the workplace worldwide and has been voted European leader in Industrial Head Protection by Frost and Sullivan.

Through large investment into Research and Development and by listening to end-users, JSP® is constantly taking product development to new levels, designing highly innovative award-winning PPE which performs to the highest levels even in extreme environments globally.



JSP® appreciates that PPE needs to be comfortable to wear and ensures their products are lightweight, easy to operate, compatible and are more integrated to fit with other PPE. JSP® safety helmets, hearing products, respiratory, and eyewear can be customised according to individual specifications using corporate logos and colour schemes, safety messages, personal names, and identity systems. The JSP® Innovation hubs [run seminars and training sessions](#) to help educate wearers of PPE on the importance of protecting themselves against hazards in the workplace and to show workers the correct usage of PPE and the latest JSP® methodologies designed to help them check they are properly protected.

Please do not hesitate to contact JSP for any technical queries or if you would like advice on the selection of PPE. For further information please visit www.jspsafety.com



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REDA Hazard Control



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REDA Hazard Control is a leading provider of systems and services for your fire, safety, and security needs. We are a globally recognized company and have established ourselves as an expert in the field of fire protection, security, and safety services.

We offer a full spectrum of end-to-end solutions for hazard control to a wide variety of industries and our staff is well trained and ready to handle your industry-specific needs. When inquiring about our services, you'll be matched with a team member who is familiar with the needs of your industry.

REDA Hazard Control has partnered with the industry's leading manufacturers of safety equipment, materials, and systems providing our customers with a full range of solutions. From top to toe, we have the experience and knowledge to provide the products that best fit your needs. We have recently expanded our safety business portfolio partnering with JSP® which is internationally recognized as the leading manufacturer of innovative 'above the neck' Personal Protective Equipment specializing in Head, Eye, Face, and Respiratory Protection.

We operate from many strategic locations to serve our valued customers on a daily basis.

Website: www.redahazardcontrol.com

Email: sales@redahazardcontrol.com

REDA Hazard Control

What are you doing to make a difference?

Paul Schenk

2 ½ years ago I had the opportunity to open a brand-new flagship brand-defining Crowne Plaza Hotel. Crowne Plaza Muscat OCEC, managed of course by “IHG” InterContinental hotels group who I have worked for over 15 years and the hotel is owned by Omran. This is one part of an entire purpose-built city that is rising in the desert just behind the newly opened world-class airport.

Over the years I have been very aware of my personal life towards the environment and mother nature. I have seen this has really become a part of my life and has shaped my personal brand with a deep desire to always put the environment at the heart of all that I do. There are 2 areas that I have grown my activism towards and for me, they are my 2 targets because they are obvious and visible. We can debate climate change and Carbon omissions all day long but I'm not a scientist and for me, the signs are not as obvious. I believe that we must stop the usage and creation of petroleum-based plastics. This is a massive and visible problem especially if you think back to how beaches looked just 20 years ago. And all overfishing must stop immediately with every single country committing to this. As a chef, I saw fish after fish disappear off my menus one by one and this was already many years ago.

So when we opened the hotel we put a lot of things in place to ensure we have less wastage in general and specifically targeted plastics. Where do you start? 295 rooms, 5 restaurants, and function and events space a gym, Spa, pool, tennis court, gardens, car parking for 330 cars, public areas, lobby areas, check-in counters. We stopped and questioned every single item. Not only what it was made from but did we need it could we use something else?

Some areas are tricky to get around, for example, we have strict brand and safety standards in our company that we must follow and are audited in detail on, and for example by the pool for safety standards and reasons you must serve plasticware and not glassware. If a glass breaks and goes into the pool well trying to find that glass is problematic. So I had to swallow this one as the plastic ware at least is not single-use, we are still using the same very high-quality glasses.

When you order and Iron we needed 350 pieces and all with very detailed specs from our standards team. Once again it is not single-use plastics so it is fine and will last the test of time.

When you order something like this you end up with only a few options left, all come from China and items take anywhere from 1 month to 6 months to arrive, nothing is available at these quantities locally. One of the hardest specs for the iron and had to be custom made is that the chord had to be 1 meter 40cm long.

We are on a mission to be the first "Business" hotel in the world to be 100% single-use plastic-free. We are getting there but not 100% yet. The last areas we have are FMG Fast Moving Goods, everything is packaged in plastic these days, so we are changed this single-handedly. We are lucky we have the buying power of 7 IHG Hotels in Oman so we are using this to put pressure on suppliers to find alternatives and change. Also, technology is moving fast and there are suppliers of innovative products popping up all over the world.

Did you know that your teabag today is made from plastic? The sachet it is in is plastic. We now have 100% plastic-free tea bags. As we have built this reputation now companies are coming to us and using us as their platform to showcase their plastic-free products. We have the first in the world plastic-free Cling Film. It looks the same acts the same but it's made from vegetables and is fully biodegradable and compostable. We have the first in the world coffee pods for Nespresso machines made from 100% non-plastic material that is compostable and biodegradable.

We have been challenging Coke and Nescafe to change there packing with no luck at this stage. The good fight continues even in these tough times. What are you doing to make a difference?

■ Paul Schenk
Hotel Manager
Crowne Plaza Muscat Oman Convention
& Exhibition Centre
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NEW!



MSA is defining the future of fall protection...

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MSA Fall Protection Solutions

Safety is in the Detail

MSA's mission is that men and women may work in safety throughout the world. That's why we are **constantly innovating** to ensure that our products continue to be world-leading.

Our new V-Series Personal Protective Equipment (PPE) the range is named after the iconic V-Gard® safety helmet developed by MSA in 1962 and trusted by millions of personal protection users across the globe.

The range, when used in conjunction with MSA's Latchways® engineered lifelines, offers the highest specification of fall protection available on the market, providing a great example of our ability to combine innovative technologies, best-in-class materials and advanced design to take fall protection to new heights.



Because every life has a purpose...

PERSONAL PROTECTIVE EQUIPMENT

How to Choose an Industrial Helmet

MSA

When it comes to choosing head protection, there's not a "one-size-fits-all" solution. This white paper is designed to provide industrial safety directors, users, and personal protective equipment (PPE) distributors with information about the different types and classifications of industrial head protection.

First Things First

Hundreds of thousands of on-the-job accidents are reported each year. According to the National Institute for Occupational Safety and Health (NIOSH), the most common cause of non-fatal, on-the-job injuries is contact with objects or equipment.

As a result, a spotlight has been placed on advancements in industrial helmet head protection.

The Hype About Type

According to OSHA standard 1926.100, "employees working in areas where there is a possible danger of head injury from impact, or from falling or flying objects, or from electrical shock and burns, shall be protected by protective helmets." While this OSHA standard does not

establish specific criteria for protective helmets, it does require that protective helmets comply with the consensus standards issued by the American National Standards Institute (ANSI) for Industrial Head Protection (Z89.1-2014). Other regions of the world have their own standard requirements for example EN 12492 & EN 397 have certain design requirements that differ between the two.

Climbing helmets that meet both ANSI/CSA as well as EN 12492 and/or EN 397 perform adequately as industrial helmets.

1. **EN 12494** is the European standard for mountaineering helmets and includes protection against impacts.
2. **EN 397** is a European standard for industrial helmets

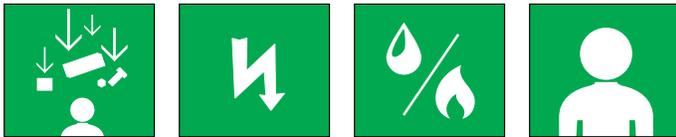
There are only two recognized classifications of protective helmets that meet

ANSI requirements:

1. **Type I**—Type I helmets are intended to reduce the force of impact resulting from a blow to the top of the head.
2. **Type II**—Type II helmets are intended to reduce the force of impact resulting from a blow to both the top and sides of the head.

Type I and Type II have different impact locations, are tested to different impact energies, have different criteria for helmet failure and may be available in multiple styles like cap or hat. Each type of helmet is different and may be available in different styles, such as cap, full brim hat, or climbing.

In general, ANSI requires that industrial protective helmets:



Absorb the energy from impact to the head

Act as an insulator against electric shock

Be water-resistant and slow burning

Shield scalp, face, neck, and shoulders

Force and acceleration are only part of the equation in determining the likelihood of preventing injury. The other part? Duration of impact.



Let's Talk Variables

The reality of industrial head protection is that there are many variables within the workplace setting to limit head protection to one single offering for all hazards, all tasks, and all workers.

Take the time to answer these fundamental questions as a first step in determining which industrial helmet is best for the worker and for the job:



Assess the **hazards** and understand the **application**.



Determine if the helmet meets the **requirements** of the right industrial safety **standard**.



Decide if **accessories** are needed.



Assess other factors that could impact wearer **compliance**.



4 Key Considerations



Assess the **hazards** and understand the **application**.

Environment: What conditions exist? Is work being done at height? With electrical sources? Extreme weather? In confined spaces?

Task: What is the worker doing? Working in confined spaces? Climbing?

Impact & Risk: Hitting or bumping the head? Falling objects? Electrical shock? Chemical splash?

Electrical Classification: What's the need: General (g) proof-tested at 2200 volts? Electrical (e) proof-tested at 20,000 volts? Conductive (c) for no electrical contact?

Style: Cap? Hat? Brimless? Climbing? Vented or non-vented?



Determine if the helmet meets the **requirements** of the right industrial safety **standard**.

ANSI: American national standards institute serves as

“administrator and coordinator of the united states private sector voluntary standardization system.”

CSA: “A global provider of testing, inspection, and certification services, and a leader in safety and environmental certification for Canada.

EN: European standards are voluntary standards that “ensure compatibility and interoperability of components, products, and services across the whole of the european single market.”

Ancillary Standards: Determine if there are other reference standards that could be met, such as climbing helmet standard EN 12492, in addition to (not instead of) the industrial safety standard.



Decide if **accessories** are needed.

Face: Protect from impact, glare, uv, and other hazards, such as radiant heat, arc flash, and splash. There are options for both visors and frames to accommodate each application.

Eye: There are many options for industrial eyewear including anti-fog/anti-scratch, integrated spectacles, and overspectacles for those wearing prescription eyewear.

Hearing: Helmet mounted muffs are available for both cap and hat styles of hard hats.

Other: Chinstraps, goggle retainers, etc.

Note: While already a Z87 face protection requirement, the standard 2009 Version indicated that accessories or components installed onto hard hats cannot cause the helmet to fail. The 2014 standard update provides additional language further supporting the premise that accessory/ component manufacturers are responsible for proving that their products do not cause helmets to fail: *“the entity claiming that an accessory or replacement component, when installed, will not cause the helmet to fail the requirements of this standard, and is responsible for providing justification upon request.”*



Assess other factors that could impact wearer **compliance**.

Comfort: Considered one of the most important factors for 9 out of 10 wearers, comfort has a strong bearing on wearer compliance. Comfort features may include adjustable headbands, foam-free helmets that reduce heat stress, ventilation systems, and fast-dry sweatbands.

Style: Industrial helmets are available in a multitude of styles and looks. Caps, hats and brimless options are available from many manufacturers. Additionally, many helmets are able to be customized with logos and design details, such as striping, can further enhance wearability. Climbing style helmets have made a splash in recent months within industrial safety settings. They provide the high level of quality users expect from MSA with additional comfort features to ensure a secure fit when working-at-height or in confined spaces.

“During this pandemic period, many are looking for PPE not only for respiratory protection but also for eyes and face protection.

As many countries including Singapore, are planning to ease and exit lockdown restrictions, it remains important for everyone including workers returning to work to exercise extreme vigilance. Additional PPE measurements at the workplace can be taken to ensure that workers are better protected against any form of transmission.

According to the WHO publication, the COVID-19 virus is primarily transmitted between people through respiratory droplets and contact routes.

Droplet transmission occurs when a person is in close contact (within 1 m) with someone who has respiratory symptoms (e.g., coughing or sneezing) and is therefore at risk of having his/her mucosae (mouth and nose) or conjunctiva (eyes) exposed to potentially infective respiratory droplets. Transmission may also occur through fomites in the immediate environment around the infected person.⁸ Therefore, the transmission of

the COVID-19 virus can occur by direct contact with infected people and indirect contact with surfaces in the immediate environment or with objects used on the infected person (e.g., stethoscope or thermometer).

In Singapore workforce, a helmet is one of the most basic forms of PPE requirement in almost every segment, ranging from Construction, Pharmaceutical, Chemicals, Utilities, Shipyard, to Oil, Gas, and Petrochemical. Equipping workers with helmet-like V-Gard 930, 950 or any other helmet with similar features, provides additional eyes or face protection without the hassle of carrying another PPE with them. It is not uncommon for workers to avoid using PPE if they find it inconvenient or uncomfortable. With integrated over spectacles or face shield, it also eliminates the worker’s excuse of forgetting to bring along their safety spectacles.

Together with a disposable or reusable respirator, workers can be better protected against COVID-19 virus, providing them and their families a peace of mind.”

MSA—The Safety Company

MSA, founded in 1914 and headquartered in Cranberry Township, PA, is the global leader in the development, manufacture, and supply of safety products designed to protect people and infrastructure. Used by workers around the world in a broad range of markets, including the oil, gas, and petrochemical industry, fire service, construction, mining, and military, MSA’s core products include self-contained breathing apparatus (SCBA), gas detection instruments, and fall protection devices. With manufacturing operations in the United States, Europe, Asia and Latin America, MSA has more than 40 international locations. For more information, visit www.msasafety.com.

! Click the image to view the video on your browser



A Shell representative in the Netherlands demonstrates how helmets with integrated face shield can protect their essential workers during this COVID-19 period.

MAX ENDURANCE

Super High Abrasion Gloves Touchscreen forefinger, superior fit, ultra-lightweight seamless precision handling glove with a textured granular Nitrile palm dipped coating that offers extreme abrasion resistance and performance grip and precise handling of small wet / dry / oily components.



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- Lightweight handling gloves for precision and general handling tasks.
- Reduced hand fatigue ideal for extended use which supported by high dexterity.

PERSONAL PROTECTIVE EQUIPMENT



Protective Eyewear for COVID-19

uvex

Amidst the current COVID-19 pandemic, we are here to clear up a common misconception about eye protection, as well as provides tips on how to properly clean and disinfect them.

Protective Eyewear for infection control

Protective Eyewear are not medical or anti-virus products. They are a type of personal protective equipment for protecting our eyes against mechanical, optical and chemical risks in accordance with EN166 certification or equivalent.

There is no guarantee that they provide protection against infection and limit the spread of the COVID-19 virus. However, wearing protective eyewear can at least help to reduce your chance of infection.

According to current medical studies, the Coronavirus (COVID-19) virus is mainly transmitted by droplets, and it is also possible to transmit the virus with your hands by smear infection.

To prevent this, international health authorities such as the World Health Organization (WHO) recommend wearing goggles with indirect ventilation to protect against splashing liquids

and droplets at the same time. Unlike goggles, standard safety spectacles do not offer this type of protection. You should also ensure that the goggles fit correctly — they should fit snugly around your entire face, especially at the sides and around your nose. Please also note that your employer is responsible for providing appropriate protective equipment.

Safety goggles for direct contact with viruses and how to properly clean and disinfect them

Cleaning and looking after your safety goggles are very important — however, given the current situation and risk of infection from the coronavirus, extra care should be taken when cleaning your goggles. You should clean your safety goggles after each wear — preferably also in between. You can do this by washing them with soap and running water, and an additional disinfectant can also be used.

The following models of uvex goggles are designed for protection against liquids, splashes and droplets in accordance with EN 166:

uvex ultravision

uvex ultrasonic

uvex classic

uvex carbonvision

uvex u-sonic

uvex pheos cx2 sonic

Recommendations for cleaning and disinfecting of safety goggles

Cleaning and looking after your safety goggles are always very important — however, given the current situation and risk of infection from the coronavirus, extra care should be taken when cleaning them. You should clean your safety goggles after each use— preferably also in between. You can do this by washing your goggles with soap and running water, and an additional disinfectant can also be used.

Please observe the following steps when cleaning and disinfecting:

1. Read the instructions provided with your safety goggles.
2. Wear disposable nitrile or latex safety gloves while cleaning.
3. Wash with soap and rinse the safety goggles under running water.
4. After cleaning, an additional disinfectant spray or wipe can be used — if you choose to do this, read and observe the instructions for your chosen disinfectant with regards to its



compatibility, usability, disinfection procedure and exposure time. The goggle usually requires another thorough rinse with clean water after being cleaned with a disinfectant. Do not submerge the goggles in disinfectant, as this can lead to premature damage.

5. Allow the goggles to air dry in a non-contaminated area.

Check the safety goggles for damage before each use. Frequent use of strong disinfectants or cleaning agents can damage the lens coating and other parts of the goggles.

If you have any further questions, please do not hesitate to get in touch with us at

sales@uvex-safety.com.sg

uvex: one brand – one mission

As one of the top PPE suppliers, the uvex brand is based on two established pillars: The products of the uvex sports group include helmets for winter sports, cycling and horse riding, skiing and sports goggles; as a partner of elite international sport, uvex equips over 1,000 top athletes across the world. Everything revolves around safety at work in the uvex safety group, a safety equipment supplier you can trust: We produce personal protective equipment from head to toe – from protective helmets to safety shoes.

Established in 2007, uvex safety Singapore has since grown to become an innovative safety equipment supplier in Singapore, developing, manufacturing, and distributing industrial safety products that meet the highest standards in terms of quality, function, and innovation. We are your trusted safety products suppliers in Singapore.



Highfield International – Infection Prevention and Control Qualifications & Resources

Highfield International

Are you confused about what you should do to reduce the spread of a virus?

Businesses and individuals are bewildered by the ever-changing information concerning COVID-19. Changing news, statistics, social media posts and personal opinions are blurring the fact that the principles of ‘Infection Prevention and Control’ are, and always will be important to understand to give businesses and individuals the ability to make informed decisions for a safer workplace.

Simply learning and understanding correct terminology can help your business make informed decisions about cleaning and disinfection processes. We keep hearing about sanitizing services with organizations spending money and time on services they may not need or buying cleaning products that are not effective.

Do you Know the difference between cleaning, disinfecting, and sanitizing?

Cleaning –The process of removing soil, food residues, dirt and grease. Some microorganisms (germs) will also be removed

Disinfection – The reduction of microorganisms to a safe level – on surfaces, equipment and skin. Disinfectants kill germs.

Sanitizing – the process of cleaning and disinfecting at the same time

All three of these processes are important to prevent the spread of infection. In the USA sanitising means disinfecting so it is important to read the manufacturers’ information about a chemical before using.

Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family
– **Kofi Annan**

Qualifications – Highfield International’s range of Infection Prevention and Control qualifications develop the underpinning knowledge about the ‘chain of infection’ and how to prevent the spread, with specific reference to COVID-19.

- **Highfield Level 2 International Award in Infection Prevention and Control for Drivers**
- **Highfield Level 2 International Award in Infection Prevention and Control for Food Handlers**
- **Highfield Level 2 International Award in Infection Prevention and Control for Housekeeping**
- **Highfield Level 2 International Award in Infection Prevention and Control for the Workplace**
- **Highfield Level 2 International Award in Infection Prevention and Control for Healthcare Settings**

Support resources

Training PowerPoints

Downloadable Infection Prevention and Control Posters

[COVID-19 Online Quiz](#)



Highfield Online learning

Infection Prevention and Control eLearning

Our Infection Prevention and Control online short course is designed to help you and your business understand how to prevent and control infection and why it is important to do so. This online short course includes a new COVID-19 module to help you fight and prevent the spread of the virus

<https://www.highfeldelearning.com/>

COVID-19 Secure

COVID-19 Secure is a short e-learning programme to help businesses and employees manage the return to work and provide guidance on how businesses should operate after they reopen to reduce the spread of COVID-19.

If you are a training provider or have a training department and want to find out how to become approved to deliver our qualifications, or want to know more about how you can get you and your team qualified please get in touch.

Edward Dawson – edawson@highfieldinternational.com

MEWPS FOR MANAGERS TRAINING

IF YOUR BUSINESS IS RISK ASSESSMENT, RESCUE PLANNING, SELECTING THE CORRECT MEWP FOR THE TASK THEN THIS COURSE IS A MUST.....

For booking and registration
Contact - jason.woods@ipaf.org
raymond.wat@ipaf.org

IPAF training is a sign of quality developing your knowledge when using or managing MEWP equipment. MEWPs for Managers training is compliant to ISO: 188/78:2013 and BSEN: 8460 standards.



Bratts has been making ladders since 1895, supplying the Railways since 1938 and the Electricity industry since 1953.

We are a British Standards licensed UK manufacturer, producing non-conductive Timber and Glassfibre ladders, stepladders, platforms, and specialist access equipment for industrial use.

We also fabricate in Aluminium, Steel, and Stainless Steel.

We supply every major UK electricity, rail, telecom, gas, chemical, oil, aviation, and construction company, and similar industries worldwide.

All our products comply with internationally recognized standards old and new, including BS EN131, BS1129, BS2037, ANSI 14-5, and ENA 14-1.

The British Standard Kitemark (BS) is only awarded to products that pass strict regular testing, which guarantees continuous audited quality. EN131 alone does not.

We worked with the HSE (Health and Safety Executive) to help produce the Work at Height Regulations and the HSE Guidance for Industry. We can, therefore, advise on access equipment use within these procedures.

We also sit on the Ladder and Stepladder Standards committee at the British Standards Institute with the HSE, BERR, Trading Standards and Consumer Groups.

In response to requests from a number of major companies, we have developed the SLS (Safe Ladder System©) which has proved a simpler, safer way to work at height with ladders and platforms.

Bratts can bespoke manufacture access equipment to your own specification, quote for repairs, run certified training courses, and advise on maintenance routines and logbooks.

We still maintain the Timber ladders we made for one utility and rail company over 28 years ago!

Manufacturers of Timber, Glassfibre, Aluminium and Steel ladders, steps and bespoke access equipment
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SUPPORTERS

Thank you!

World of Safety & Health Asia's supporting organisations are mainly not-for-profit organisation and media partners who share the same vision like us, where organisation acts as a source that disseminates beneficial information for preventing workplace accidents throughout the Asia, Middle East & Africa.

By becoming a WSHAsia's supporting organisation, respective organisation's news, events & courses will be shared, promoted, and marketed by WSHAsia to our safety & health community in Asia, Middle East & Africa on our WSHAsia marketplace and e-newsletters. All members & subscribers of our supporting organisations will receive World of Safety & Health Monthly e-newsletter and quarterly digital Magazine.

To be a supporting organisation of World of Safety & Health Asia, contact us at contact@wshasia.com



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS

Region IX



SUPPORTERS



We at OHSSAI Foundation have a very straight forward **Mission....**

To create a proactive HSE&S culture across industries, societies and the community at large to “Enhance HSE&S Culture”, and transform the nation to a safe and responsible community, by bringing Heads of HSE&S together through various initiatives at OHSSAI, as a token of our responsibility towards the society....Our Vision.... To be one of the most respected community in the field of HSE&S....OHSSAI Philosophy...We believe that if HSE&S awareness is created at homes by parents and at educational institutes as part of curriculum, by teachers, OHSSAI shall be able to enhance HSE&S culture in the nation among the younger generation. “Thus HSE & Sustainability awareness” is required in the community along with awareness in industries. This can be effectively achieved if everyone comes ahead, including government agencies and supports OHSSAI activities.

About OHSSAI.....

OHSSAI is an independent, non-profit making organisation exclusively for Heads of HSE&S and Top Management teams who are at decision making leadership roles. Being a non-profit organisation, OHSSAI has always been at the forefront of promoting and advancing health, safety, and environmental sustainability, not only in industry but also in educational institutes and wider society. If your business is safety ethical throughout India, please get in touch....

Email ID: info@ohssai.org

Website: www.ohssai.org



SUPPORTERS



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS

Region IX

ASSP Engagement during COVID 19

Societal engagement is one of the keys to keeping positive mental balance in the current pandemic situation. ASSP chapters did their best to support their local communities and professional colleagues engaged.

Chapters in Region IX conducted more than 10 sessions covering over 500 attendees covering multiple topics of interest to them. There was active participation from the attendees with over

75% attentiveness. There was also virtual training for Continuous Professional Development in different chapters.

The Region also engaged with other organizations and supported their initiatives like mentoring of medical and science students for Research and Development on various topics of relevance to COVID 19. The Region supported the kids' competition and encouraged them by rewarding them for poems, collage, and painting on World Environment Day.

At an individual level, colleagues are caring for each other by calling others to know about their health and well-being. They are also making special calls to some professionals who are stuck and feeling isolated.

Increase your sales in Europe



3 good tools

- Ergonoma Journal, digital quarterly magazine with 35000 readers in charge of workspaces in 44 European countries
- Internet platform - ergonoma.com
- A database of 3500 european distributors

You are looking for notoriety in Europe : Ergonoma journal, professional quarterly bilingual English / French is the answer.

The magazine is the most read by design professionals, ergonomists and occupational health professionals, manufacturers and distributors, who are looking for the latest news on products, processes or concepts for the well-being and good health at the workplace. Readers need us to help them understand the present so they can create the future. Ergonoma Journal is their tool for exploring the present and the future of new models of well-being and ergonomics at the workplace.

Asia representation

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AMERICAN SOCIETY OF SAFETY PROFESSIONALS KUWAIT CHAPTER

Working together for a safer, stronger future



الجمعية الأمريكية لمحترفي السلامة Membership

About ASSP

Become A
Member

Founded on October 14, 1911, the American society of safety professionals (assp) is the world's oldest professional safety society.

Key facts

- 37000+ member in 80 countries
- 153 chapters(143 us., 10 global)
- 39 sections (37 us., 2 global)
- 9 regions

About ASSP Kuwait chapter

ASSP Kuwait Chapter was founded in 2000 is the Kuwait's premier voluntary, non-profit making Health, Safety and Environmental organization that strives to provide professional guidance, training, consultancy and resources to the industrial and social sectors in the region. In pursuance to its lofty goals and objectives the society has been organizing international Conferences, Technical meets, Training programs and Outreach activities on way to become one of the most active professional bodies in the Middle East especially at valuable land of Kuwait.

Membership

ASSP members are classified in one of six (6) numbers categories: professional member, associate, international, and student, emeritus

Benefits

- Exchange of ideas, sharing best practices and knowledge through decision forms
- Gearing up yourself with the new hse challenges with new products/ services
- Stay tuned with the updated legislative and hse regulations
- Sharpen your skills with training, workshop, technical meets and international conference
- Enrol into webinars and professional development
- Stand apart from the crowd with latest skills and tools from ASSP
- Network with fellow hse professionals
- Recognition / awards to the active members
- Counselling and usage of library recourses
- Leadership opportunities and much more

Introduce five (5) new members to chapter and get the one year membership for free and Recognition by chapter



For any queries regarding Membership, please contact our chapter office

Mail: ASSP Kuwait Chapter, PO Box 4047, Safat-13041

Tel: +965 22445588 Ext 311, Mobile: +965 55199859/ 55141224 Fax: +965 22428148

Mr.Abul eham(membership committee) at +965 97424595

Email: contact@kuwait.assp.org / info@kuwait.assp.org

Web: kuwait.assp.org



IIRSM – The professional home for everyone who manages risk

IIRSM

We are living in times of unparalleled disruption and complexity. As individuals and organisations, our ability to mitigate threats and maximise opportunities has never been so important. Think of climate change, cyber threats, complex regulatory environments, data breaches, Covid-19 pandemic, and levels of anxiety in the workforce.

Everyone is responsible for managing risks, and common language and approach, along with essential skills in leadership and communication can help businesses navigate these unprecedented times.

In today's environment, collective action with a multi-stakeholder approach is the only way to truly manage significant risks, whether an organisation, operational, or project level. Everyone is responsible, and with risk management embedded into decision-making structures, together with a culture that facilitates candor, direct feedback, and willingness to admit mistakes and ask for help, is the only way that people, reputation, and profits will be protected.

Faced with this new world, business leaders are having to look holistically at risk across the enterprise – no longer does it work to think of

occupational safety and health, insurable risk, data, quality, financial risks, governance, and business continuity as separate unconnected disciplines. Changes to standards such as ISO 45001 recognised the need for risk-based thinking and approaches in managing occupational safety and health. No longer is it sufficient to manage these risks in isolation, they should be prioritised and managed just like any other corporate risk.

To operate successfully in these uncertain and complex environments, and with customers and regulators now taking less on trust and seeking more assurance, organisations need flexible, competent, and committed people with the right skills, knowledge, and attitudes.

The need for good risk management practice has therefore never been more obvious.

HOW CAN IIRSM HELP?

IIRSM members manage safety, health, project, environmental, people and reputational risks, and more. They share their knowledge freely and together make up a unique network of supportive peers that can help you in today's world of work.

We are an inclusive organisation that offers many and varied opportunities for involvement and professional development in a way that fits around your work and home commitments. IIRSM's international risk, safety, and business community represent all business risk areas from health and safety, compliance, environmental management, engineering, insurance, audit, quality management, security, project management, and more. Whatever your role, you will make decisions that involve risk and opportunity. You never stop learning or facing new challenges, therefore it's never too early or too late to join.

As well as helping you become more influential in the workplace and support your career goals, IIRSM membership offers the opportunity to volunteer to help raise your profile and influence, while developing new skills and networks.

Volunteering opportunities

As a member, you can volunteer to give something back to your profession whilst developing new skills and contacts, and it can greatly enrich your CV. IIRSM would not be what it is without the support and commitment of its members. Plus, volunteering shows future employers that you are focused on developing yourself and others. You can get involved through activities ranging from:

- organising regional events
- becoming a mentor
- developing useful resources in your area of expertise for the Info Hub
- being an ambassador for a sector, discipline or geographical location
- writing blogs and articles for publication in The Sentinel or on the website
- joining project teams and panels for key initiatives

There are many ways to make a positive impact whilst developing your own skills and experience as well as your confidence both professionally and personally. It's a great way to widen your professional network.



The Sentinel

Our new member magazine, The Sentinel, is full of unmissable features, interviews, opinion pieces, and an in-depth educational section. As well as the printed copy, the new digital version makes it a lot easier to access and read on the go!

Try the [latest issue](#) for free now

Networking

Being a member gives you a great opportunity to network and learn from a wealth of different people. IIRSM's branches in the Middle East, Qatar, and Oman are active forums supporting members with regular meetings and committee roles for those that are interested.

Online and face to face learning

Our popular managing risk training is now available online and provides practical and engaging experience, using real-world case studies, short bursts of content delivery, video, interactive polls, and group discussions in break-out rooms. The experience is not only an enjoyable one, but you will gain invaluable knowledge and practical tools to assess, manage, and communicate risk.

Our annual risk conference will take place online in September 2020 and our free to attend webinars cover a huge range of topics.

'IIRSM is the professional home not only for those working in health and safety risk but all roles and all sectors.'



"My membership with IIRSM is important to me because it allows me to understand where I am currently at and how I am developing. During COVID19 my professional membership has been paramount because it has given me access to a wealth of information and resources as well as giving me the tools to record my CPD to lay the stepping stones for my future and reflecting on the recent past. These are challenging times but maintaining some familiarity in my day to day routine has been a huge benefit to keeping on track both professionally and personally."

Melissa Fazackerly FIIRSM

Resources

From the Knowledge features in The Sentinel to industry guidance via our partners and webinars and fact sheets on our website, you will receive access to a variety of topics and expert guidance that will broaden your skills and awareness. Our risk management and leadership competence framework, free to download from our website, is a fantastic tool to plan your professional development and career path.

We also work closely with other bodies such as PASMA, to provide access to their own learning materials exclusively for IIRSM members.

Join us now

As an independent charity, we are committed to educating our members – we speak freely, helping businesses, public organisations, charities, and policymakers appreciate the vital role that sustainable and targeted risk management plays – from saving money to saving lives. You will be welcomed into our community with open arms.

Visit our website to find out more and use the code WSH20 and receive 20% off your first year's membership.

www.iirsm.org

"The opportunities to share and gain knowledge from forward-thinking risk management professionals, who cover such a diverse range of business and industry sectors in print, in person and virtually are of real benefit. I have recently listened to a range of free risk management webinars organised by our members, covering communication, ethics, project management, and psychology. This is hugely beneficial during the lockdown and as we prepare for the future. IIRSM is ahead of the game."

Asgeir Nilsen MIIRSM



Energy Institute

Trevor Stott-Briggs

The Energy Institute (EI) is the chartered professional membership body bringing global energy expertise together. We are an active and growing network in the Middle East, based out of our UAE hub, helping energy professionals across the region to come together, share insights and learn about the extraordinary energy system on which we all depend.

The EI is a unique network with insight spanning the world of energy, from conventional oil and gas to the most innovative renewable and energy-efficient technologies. The global energy industry, the people working in it, and wider society all benefit from the EI's work.

The EI gathers and shares essential knowledge about energy, delivers the skills required to use energy more wisely, and develops the good practice needed to keep it safe and secure through technical guidance documents and specifications.

The EI has an expanding global presence, including 13 local branch networks in the UK and seven international branches, comprising the Middle East, Hong Kong, Nigeria, Ireland, Malaysia, Singapore, and the Caribbean. We have around 20,000 individual members globally and 250 corporate members worldwide.

Joining the EI

In line with the UAE Energy Strategy 2050, the EI Middle East supports individuals and companies in the UAE as they work towards a safe, secure, and sustainable energy system.

Our work helps professionals to gain insights from a network of energy professionals working across the energy system. We also focus on building capacity by delivering Continuing Professional Development (CPD) training and accreditation, knowledge-sharing events, and industry collaboration.

Membership of the EI delivers professional recognition through qualifications, as well as member discounts on training, events, and technical publications. It allows you to access vital information about the global energy system through vast digital resources and monthly magazines.

In the Middle East, we run events and learning programs on topics as diverse as health and safety, energy management and efficiency, behaviour change, digitalisation, decentralised energy, and solar power. Our Middle East HSE & Sustainability Forum has become an important feature in the regional calendar since 2017 and draws over 300 delegates for a program of valuable technical information. The December 2020 event will be sponsored by Bahrain Petroleum Company (BAPCO) and is expected to be delivered in a combination of on-line and face-to-face arrangements.

In 2020 we are running a number of on-line training programs available worldwide to energy professionals from all sectors of the industry. These are expected to include Oil & Gas Fundamentals, Human Factors, Process Safety Management, Energy Management, and Aviation Fueling courses.

Professional membership

Becoming a Professional Member of the EI recognises your knowledge, skills, and expertise in energy, and your achievements in a responsible role, with the post-nominals to match. Membership of the EI begins at the student level, through EI Affiliated universities and accredited courses, with opportunities for professional development and recognition throughout your career.

The EI is also able to offer professional registrations in particular specialties, including Chartered Energy Engineer, Chartered Petroleum Engineer, Chartered Environmentalist, and Chartered Energy Manager.

Industry guidance

The EI Good Practice Programme provides the industry with cost-effective, value-adding knowledge on key current and future issues within the energy sector. It helps our member companies, made up of 250 of the world's major energy companies, to improve their operational safety, efficiencies and to simplify the way they work.

The EI's portfolio includes over 90,000 publications, 750 technical guidance documents and specifications, with around 50 new titles published annually. The EI is actively working with partner companies in the Middle East to develop further industry-led guidance from the region.

Trevor Stott-Briggs
Managing Director, Energy Institute
-Middle East

Further information – Middle East, Asia Pacific and Nigeria



Mr. Trevor Stott-Briggs is the Managing Director for the Middle East Branch, a resident in the UAE for 13 years and he has 44 years of experience in over 30 countries in the energy and infrastructure sectors. For further information, please get in touch with him at tstott-briggs@energyinst.org or call +971 50 615 6524.



Mr. Peter Godfrey is the Managing Director for the Asia Pacific Branch, a resident in Singapore for 15 years, and he has over 37 years of experience providing advisory services and non-executive support to organisations operating/investing throughout the energy sector value chain. For further information, please get in touch with him at pgodfrey@energyinst.org or call +659 615 5055.



Ms. Yewande Abiose is the Managing Director for the Nigeria Branch, a resident in Lagos for over 35 years and she has over 14 years of experience as an energy economist. For further information, please get in touch with her at yabiose@energyinst.org or call +234 802 036 0227

Questions for the writers, in regards to their article?

Email us at: askthewriter@wshasia.com

Your reply will be featured in the
“Ask the Writer Column” in the next edition.



MEDIA PARTNERS

We got you covered!

Media partners' publications are circulated to respective subscribers. This greatly increase each other's circulation and network into different industry.

If you are interested in partnering with World of Safety & Health Asia, please email to contact@wshasia.com or call +65 6369 9105.



SOUTHEAST ASIA CONSTRUCTION



WSHAsia
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AWARD

2020

First safety & health solutions award in Asia

- Entry closing date: **30th June 2020**
- Winner Will be announced on **27th August 2020** on [WSHAsia Award Page](#) and via our **Social Media** platforms
- All award winners will be featured on the **September** edition of **World of Safety & Health Digital Magazine** (To be the first to know who the winners are, **subscribe our digital magazine now**)