



# And the recipients are...

## IN THIS ISSUE

Words from the Founder

4

About WSHA Asia Award

9

Who are the judges for this award

10

A Big Thank You to our Supporting Associations

92



# TABLE OF CONTENTS

ISSUE 2 | SEPTEMBER 2020

Words from the Founder	4
Words from the Co-Founder	6
Words from the Editor	7



About WSHAsia Award	9
Who are the judges for this award	10

## The Recipients

Dedication to Saving Lives Drives Innovation in the ZOLL AED 3	14
HiCharm TSM & HiCharm Cloud Tower Crane Safety Monitoring System Design	18
ERGOWORKS All-In-One Desk Bike	22
Award-Winning Safety Software - For Every Business	26
SKC Pocket Pump TOUCH with SmartWave Mobile App	30
uvex 1 G2 Safety Shoes	33
3M™ Secure Click™ Half Facepiece Reusable Respirator HF-800 Series	36
BLAXTAIR CONNECT	40
Technology to promote OS+H	42
Safety io Grid Fleet Manager	46
CLI by SKC Surface/Dermal Samplers	48
NoiseCHEK, with SmartWave dB Mobile App	50

Is Your Work Safety Communication System Addressing Your Needs Correctly?	52
3M™ Versaflo™ TR-800 Intrinsically Safe Powered Air Purifying Respirator	56
Sprint TL: the revolutionary solution for the automotive sector	60
Alpha Trace High Visibility - Leave your trace in dark places	62
Connected Workers, Connected Data	64
DUOREST D200_DT Ergonomic Chair with DUOTEX Technology	66
ERGOWORKS Ultra Slim Sit & Stand Desk Converter	68
New Generation Emergency Showers and Eye/Face Washes	70
MSA V-EDGE™ Self Retracting Lifelines	74
OneLook Systems: Setting the bar for contractor compliance innovation globally	78
SafetyFreelancer, Making Safety Accessible	82
KARBON+ KX05A (XTREME Komplex Handling)	84
REAPER+ VIZ	86
uvex i-5 eyewear	88
uvex phynomic airLite C ESD	90

A Big Thank You to our Supporting Associations **92**

MEDIA PARTNERS  
We got you covered! **94**



Click on this symbol  to go back to this page



# About WSHAsia Award

World of Safety & Health (WSHAsia) Awards 2020 recognizes excellence within the safety industry based on new & innovative solutions that improve workplace safety and health.

WSHAsia would like to thank all 41 entries who have been a part of the WSHAsia Awards 2020. All entries were submitted for judgments to the renowned figures in the safety and health industry from Singapore, Malaysia, Hong Kong SAR, and Australia

Judges were given the choice to select an entry that were outstanding based on the new & innovative solutions in regards to their respective knowledge. Each star on the trophy indicates the number of judges that were impressed by the entry of the recipients. Each judge were entitled to one vote per entry.

WSHAsia extends their special hand to all sponsors and supporting organizations as follows:

Official Event Sponsors: **KBA Training Centre Pte Ltd, TUV Austria**

Supporting Organisations: **National Safety Council Singapore,  
Singapore Institution of Safety Officers**

Strategic Partner: **OS+H Asia**

Exclusive partner: **Messe Düsseldorf Asia**

The WSHAsia Awards promotes the importance of innovation and highlights the highest standards of excellence within safety and health in the workplace. The award provides recipients who are manufacturers or vendors a pride of place in the industry, by receiving the prestigious recognition at the World of Safety & Health Award. Once again World of Safety and Health Asia expresses their utmost gratitude for all of those who had been a part of this award.



# WSHA<sup>Asia</sup> WORLD OF SAFETY & HEALTH ASIA

# AWARD

## 2020

First safety & health solutions award in Asia

## OFFICIAL EVENT SPONSORS



Organised by:



Supporting organisations:



Strategic partner:



Exclusive partner:







# New Generation Emergency Showers and Eye/Face Washes by IST Safety Ltd

| Doruk TÜRKUÇAR

Emergency safety showers and eye/face washes are special occupational safety equipment designed to wash chemicals or toxic substances that come in contact with skin, eyes, or clothing, meeting the requirements of international standards. Emergency showers can be defined as first-aid equipment that should be used as a necessity for an emergency response to reduce the effects of accidents at the workplace.

## How is the product/service innovative in concept, design, or performance?

According to ANSI standards, the temperature of potable water supplied by the emergency shower must be maintained at 16–38 ° C in any climatic condition regardless of whether it is installed outside or inside of the building. The emergency shower must always be ready to use in case of an emergency.

If we had to heat/cool the water instantly coming from an emergency shower connected to the mains

supply by an instant heater or cooler, we would need to use very expensive equipment at high powers such as 100–150 kW, and it would cause unnecessary electricity consumption and cost. This unnecessary energy consumption would be valid even during the weekly maintenance of the system, which is a requirement of the ANSI standard. For this reason, it is a more economical and more efficient solution to heat/cool the water in a tank by heater or coolers in smaller capacities and to keep the system ready for use in emergencies.





### Judge Says:

Every workplace needs an emergency shower should consider this product.

Ir Dr. Vincent Ho

### What new or unused technology in the industry are used in producing this product or service?

The latest addition to the ISTE<sup>®</sup> Showers & Eyebaths range of emergency showers is EN 15154-5 Class I, II, III, and EN 15154-6 certification according to new European standards as well as our ATEX Zone 1, 2 certifications according to new IEC TS 60079-46:2017 standard. To use emergency showers equipped with electrical equipment in hazardous areas, the unit must be ATEX (Explosion-Proof) certified. Our showers are ATEX certified entirely including its all accessories such as chiller, heater, audible and visual alarm, flow switch, etc., we are providing our units with not only the individual certificates of the components as some of the other manufacturers do.

**Our New Passive Cooling Technology:** In the summer, by taking advantage of the coldness of the night, it is aimed to keep the water below 38 °C which is required by the standard in the daytime. It is a maintenance-free technology and if the ambient temperature is around calculated levels at night, the water temperature in the tank can be kept constant below 38 °C following the standard during the day. This system is equipped by a heat exchanger, which is made of high thermal conductivity material on the water tank.

Thanks to the large heat exchanger surface area in contact with the air, the water-cooled in the heat exchanger goes down to the lower tank and during the night, this top-down, bottom-up hot-cold water circulation continues. During the daytime, the heated water in the heat exchanger with ambient temperature is lighter and the water does not go down to the tank, and in hot weather, a cooling tank at night can be maintained within the range of standards required with the great help of the insulation of the tank.

**Our New Automation Technology:** Thanks to the automation system, an authorized person in the facility gets information in an emergency and can intervene in the system immediately. For example, when the water temperature increases above a certain level, the water chiller should automatically switch on. If the thermostat on the system fails, the chiller may not automatically switch on. In such an emergency, the Scada system warns that the water temperature exceeds a certain level and the system can be intervened or the chiller unit can be manually activated remotely.



### Does the product/service bring new techniques to the occupational safety and health industry?

Our emergency showers with overhead water tanks are completely tailored such as with insulated cabins or doors according to end-users requirements. Enclosed insulated cabin and door systems are preferred especially in cold climates. If the outside temperature is low, which may harm the health of the user after washing, it may be necessary to install a separate space heater inside the cabinet. All these optional equipment





such as space heater, an audible and visual alarm which warns when the shower is being used, lighting for the cabin, and an E-Gsm device which sends SMS to the mobile phone when the shower is used must be determined and projected according to the needs of the end-user.

**How will the product/service contribute to any improvements in occupational safety and health?**

Especially in hot climates, the temperatures of the water in the water tank exposed to the sun and the pipes of the emergency shower reach very high temperatures. The water remaining in the pipes of the emergency shower can quickly heat up in hot climates, scald the user while using, and in cold climates, freezing water can clog the pipe and cause the shower not to operate. In the pipes of emergency showers, water will not be heated or frozen in the pipe after use with these special valves. The systems are completely mechanical and do not require any electrical consumption.

Emergency showers used with water at high temperatures can cause hyperthermia and even scald of the user. This means that the emergency shower cannot fulfill the task of providing first aid in an emergency which is its main duty and even the possibility of harm to the user and the creation of burns on the skin. We design our shower to provide tepid water to the user.

**Has the product/service assisted the reduction of any occupational accidents or injuries?**

Although the usage rates of first aid equipment are low by its nature, it is vital to keep it ready for activation when needed. An emergency shower will not be needed for months or even years, except when it is activated for weekly checks as per ANSI standard. But a worker who needs an emergency shower will be sure that the emergency shower is going to do its duty well and this will be vital for the worker. It would not be a wrong example to compare emergency showers to a car’s airbag. The airbag is expected to deploy in the event of a dangerous accident and save lives. The airbag may not be needed at all during the life of the car, but it must do its duty in case of actually needed.

**Doruk TÜRKUÇAR**  
 IST Safety Ltd  
 Export Manager  
 HSE Professional  
<https://www.ist.com.tr>  
<https://linkedin.com/in/dorukturkucar>

