

# Section for a Culture of Prevention

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## Message from the Chairperson



Dear Members of the ISSA Section for a Culture of Prevention,

This is Park, Doo Yong, President of the Korea Occupational Safety and Health Agency (KOSHA) appointed on December 27 2017.

I am truly honored to work with the members dedicated to spreading prevention culture across the globe. I would like to thank you for your endeavors as well.

Since the inaugural meeting of the ISSA Section for a Culture of Prevention in Istanbul, Turkey in 2011, 51 organizations have joined the section. To date, the Section has held six board meetings and three international symposiums and has been dedicated to promoting the values and objectives described in the Seoul Declaration on Safety and Health at Work adopted at the World Congress on Safety and Health at Work in Seoul in 2008.

The Section has also been active in sharing information and best practices among the members, as well as in cooperative projects such as joint research between KOSHA and the German Social Accident Insurance (DGUV) to develop leading indicators for a prevention culture.

At the 2017 World Congress on Safety and Health at Work in Singapore, the ISSA officially launched the Vision Zero campaign with the belief that all accidents are preventable.

In addition, recently the Korean government is implementing safety and health policies with top priority given to citizens' safety. Accordingly, KOSHA is concentrating its all available resources and workforce to reduce accident fatalities in the workplace dramatically. The agency will be learning from and utilizing other countries' outstanding policies, institutions and activities to achieve its reduction goal. Activities taken by KOSHA will be made available to and shared among the members.

The complexity and changes in future society require that safety and health organizations be even more flexible. And this in turn calls for collaboration among all prevention-related organizations across the world including the members of the Section. I am looking forward to the Vision Zero coming to reality through strengthened networking and cooperation between the member organizations.

With its newsletters, the ISSA Section for a Culture of Prevention will share the Section's activities and best practices with member organizations, thereby helping them take actions to promote a culture of prevention.

I look forward to your positive cooperation and support.  
Thank you.



**Park, Doo Yong**  
President of KOSHA

Korea Occupational Safety and Health Agency

## Safety Culture of Korea to Raise Safety Awareness

**Ko, Kwang Je**

Director of Safety Culture and PR Bureau



Korea is a country full of dynamics. This dynamic culture served as a base for the remarkable growth into a developed country, on the basis of the myths of economic growth astonishing the entire world, despite the antecedents of being the poorest agriculture-based countries, and the wound left after the Korean War of 1950. In effect, the Republic of Korea successfully held two Olympic Games during the last 30 years, respectively in 1988 and 2018, as well as the World Cup in 2002. Also, our country hosted the World Congress on Safety and Health at Work in 2008.

Nonetheless, the drastic economic growth inevitably brought about some negative consequences. Numerous fatalities and diseases were reported every year since the workers, the main actors leading the economic growth, could not be properly protected by a safety and health system. Back in 1988, 30 years ago, a 15-year-old boy working in a factory of florescent lamps died from mercury poisoning only after 2 months of working there. This incident became a big social issue.

In 1991, workers making artificial silk based on rayon collectively died from carbon disulfide poisoning or contracted occupational diseases, suffering a painful life until now. The occupational accident fatalities rate per 10,000 employees of last year was reported 0.52, and this figure is considered relatively higher than that of other OECD countries.

The Korean government is carrying out a variety of safety culture activities to solve the problems related to occupational accidents, which do not accord with the economic level of the country. The new type of project for coping with the problems of industrial accidents is now changing the direction toward "Prevention First" clarifying the cause of the accidents & diseases and strengthening responsibilities, instead of conducting inspections and checks based on the surveys and analyses of experts after the accidents occur, and the result-centered methods to prevent the accidents of the same kind. This greatly results from the rapidly-changing industrial environment of today and the policy direction of the new government of Moon Jae-in.

The new government of Korea announced a project to the nation to reduce occupational accident fatalities of today in half by 2022. All occupational accidents are to be publicly revealed, and the government will prepare for necessary measures based on statistics. They will give shape to the range and objects for revealing the information on hazardous materials. We will establish a culture of which people with actual powers in tasks take the responsibility for the accidents. The project reinforces not only the labor-management relationship but also safety culture activities to improve safety awareness of the nation. Through the complete revision of Occupational Safety and Health Act embracing all the concepts above mentioned, the new project definitely aims to promote the

transformation of the paradigm of safety and health.

As for the safety culture project, the representative activity of the so-called "zero-accident campaign" carried out in the workplaces is now improved focusing on self-regulated safety activities of workplaces led by Korea Occupational Safety & Health Agency (KOSHA). To be specific, the result-centered operation focused on presentation of record confirmation has now been changed into the process-centered operation managing the process of "zero-accident campaign" promotion.



At the same time, the activities of "Safety Check Day" on the fourth day of each month will also be tightened up. This project initiated by KOSHA in 1996 celebrates its 22<sup>nd</sup> anniversary this year. Currently, this has settled as a typical safety culture activity of my country. In other words, each month, safety checks are being conducted throughout the nation not only in the industrial sites, but also in homes, schools, transportation sectors, and multi-use facilities. From this year on, under the selected theme in accordance with a quarterly issue, KOSHA simultaneously implements intensive checks throughout the country, delivers the quarterly slogan of KOSHA such as "The right to safety of the subcontractors must be assured by the prime contractors," and "The fall is death. Safety is life."

Accompanied by these essential activities,



a pilot project of "Improvement of safety awareness level in workplaces" is jointly implemented. This project aims to solve the problems on safety which encountered limitations so far due to the activities of technical development, services and financial investment. Equally, its purpose consists in decreasing the fatality rate by improving the safety awareness including the work practices and communication problems causing human errors. This project developed based on case studies from home and abroad aims to improve safety awareness level by way of drawing factors of the four stages (P-D-C-A) from the four sectors of safety culture (safety value, safety management, safety education, safety communication). We then measured the level through questionnaire survey by indicators of perspectives of administrators, managers and workers, and carrying out consulting.

The format of the training activities is also changing. In the past, the training was mainly focused on knowledge-based delivery. On the other hand, today's training focuses on experience-centered using 3D, VR and AR. KOSHA plans to develop

and distribute no less than 1,025 different types of training contents of AR and VR by 2022, aiming at expanding the experience-centered safety education based on Information and Technology. To prevent the recently increasing occupational accident of foreign workers, we developed the communication programs and technical materials for safety and health translated into 16 different languages including Thai, Vietnamese and Tagalog of the Philippines. Currently, we are actively distributing the materials and programs and these are available on line.

We actively participate in not only domestic activities but also international culture activities for accident prevention. As an international activity of KOSHA's accident prevention, we started to jointly develop PCI (Prevention Culture Index) with the German Social Accident Insurance (DGUV) and plan to present it in the World Congress on Safety and Health at Work of 2022. Furthermore, we are building cooperative networks with the Asian countries including Mongolia, Myanmar, Vietnam and Cambodia, and are spreading the prevention culture not

only through the supports in terms of law, system, education and technology, but also through the assistance of safety and health infrastructure.

Last but not least, we carry out PR activities. For participating in safety activities, it is crucial to aware safety and health properly. We conduct diverse activities to inform workers, entrepreneurs and the society of why it is important to secure safety, to what risks they can be exposed, and what to do to prevent dangers. For the purpose of this, we carry out campaigns all year round via TV and radio. Promotions on social media are being actively realized according to the era of ICT. The first week of July every year, we run "Occupational safety and health Week" for enhancing the atmosphere of safety culture. This constitutes many activities such as commendation of the men of merit on occupational accident prevention, technical seminars regarding the latest tendency of safety and health, and the presentation of best practices. In addition, we hold Korea International Safety & Security Exhibition where state-of-the-art OSH technology and recently



developed protective equipments are exhibited. It is our plan to raise the power of implementing safety culture activities by cooperating with NGOs and private prevention institutions.

There is a well-known Korean saying that "It is no use mending the stable after the horse is stolen." In the process of passing through the growth age of the 1960s and 1970s, many workers fell victims to the industrial accidents, due to the lack of awareness with respect to safety and health. For the last three decades, Korea achieved outcome in a way, by constantly developing safety culture activities through cooperating with countries of the world. This is considered as valuable results obtained from the ceaseless efforts of KOSHA to properly mend the stable even after the horse is stolen. However, it is unfortunate that 3 workers on average die in workplace every day. This evidently demonstrates that the problems on safety and health are urgent issues we must solve together in union. KOSHA draws up a plan to improve the problems through the long-standing expertise in accident prevention as well as international cooperation. We sincerely expect that a working environment allowing the workers to enjoy a safer and healthier life will be soon provided, by carrying forward the safety culture activities of Korea in a more dynamic way, through a wide range of communications and cooperation with the related organizations around the world.



1) [www.visionzero.global/Guides](http://www.visionzero.global/Guides)

International Social Security Association (ISSA)

## The Vision Zero Campaign

**Hans-Horst Konkolewsky**  
Secretary General

**Bernd Treichel**  
Technical Specialist in Prevention



**On 4 September 2017 the International Social Security Association (ISSA) launched the world's first global prevention campaign for "Vision Zero" - a world of work without accidents, diseases and harm, based on three fundamental pillars: safety, health and wellbeing.**

**VISION  
ZERO**  
Safety. Health.  
Wellbeing.

"Vision Zero" represents a paradigm shift in prevention - a belief that it is possible to develop a workplace prevention culture that secures that everyone will be able to return safe and healthy home at the end of the working day. It is a process towards continuous qualitative improvement in the working environment - and not a quantitative target based on figures and statistics; it is a mind-set and a

journey towards establishing a global prevention culture; and it is based on the understanding that companies that have a long term commitment to safe and healthy working conditions are more likely to make significant progress.

The Vision Zero campaign is an open source project that can be further developed and implemented by any organization or company.

### The 7 Golden Rules:

1. Take leadership – demonstrate commitment
2. Identify hazards – control risks
3. Define targets – develop programmes
4. Ensure a safe and healthy system – be well-organized
5. Ensure safety and health in machines, equipment and workplaces
6. Improve qualifications – develop competence
7. Invest in people – motivate by participation

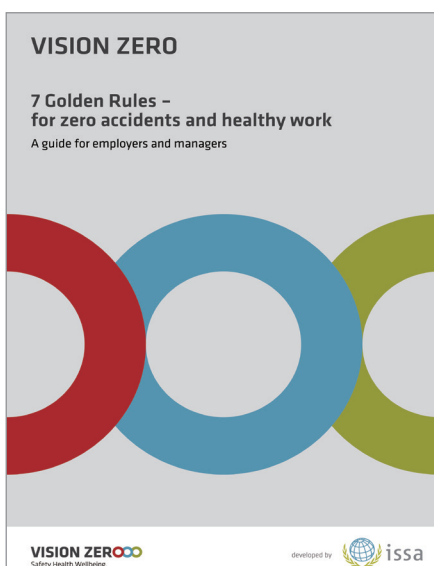
The ISSA's Special Commission on Prevention has developed 7 Golden Rules<sup>1)</sup> that provide a road-map for achieving Vision Zero. These Golden Rules have been developed and tested in practice by safety and health practitioners, labour inspectors and safety and health managers. Each of these rules has been detailed in a checklist, providing managers and employers with a self-assessment guide to identify areas for improvement within their enterprises.

In addition, sectoral Vision Zero guides, videos and promotional materials have been developed to support Vision Zero activities. These materials are free of charge and can be downloaded from the Vision Zero website. The campaign is complemented by a Vision Zero Handbook for occupational safety and health trainers who wish to conduct Vision Zero training seminars.

The Golden Rules and the entire



Vision Zero approach are based on the assumption that all accidents and diseases are preventable and as a new approach focus not only on the prevention of work accidents and occupational diseases but also on the critical role of promoting the well-being of the workforce<sup>2)</sup>. Empirical findings show that companies who adopt a zero accident vision approach to their prevention culture show remarkable advancements in their safety conditions<sup>3)</sup>. Moreover, firms who follow this methodology have shown to have a more long term commitment to OSH and thus are more likely to make significant progress. In this perspective, Vision Zero is less of end-goal and more of a catalyst engine of change.



The Vision Zero campaign distinguishes two types of supporters: companies and partners. When joining the campaign, there are no formal obligations attached. Companies can support Vision Zero and can use the existing tools, such as check-lists or training materials to improve their working environment. They are invited to spread the word of Vision Zero to their suppliers and business contacts and to encourage them to join the campaign, i.e. they are considered to be strategic

partners. Their role is to multiply the message and to organize their own Vision Zero activities and launches. Including OSH-awareness raising campaigns and use Vision Zero as the key component of the campaign.

During the first month following the launch, over 200 companies and organizations lent their support to Vision Zero. After three months of existence, the number stood at over 650 supporters, including renown global players such as Siemens, Google, General Electric and Rolls Royce. As for ministerial support, many regional and national organizations have signed up for the campaign, including the US Department of Labor. Social security institutions from countries like Germany, Russia, Chile, Argentina, Panama and Malaysia have also officially joined the campaign. Finally, the campaign's official ambassadors include Mr Michael López-Alegría, former commander of the International Space Station, the Finnish Minister of Social Affairs and Health, Pirkko Mattila, and Manfred Müller, head of flight safety at Lufthansa.

Today, 6 months after the launch, a network of nearly 1000 Vision Zero supporters, including companies, organisations and occupational safety and health trainers are actively moving Vision Zero forward within their sphere of influence; through their own initiatives and activities. Adhering to the campaign is easy and can be done through the official campaign website([www.visionzero.global/join-us](http://www.visionzero.global/join-us)).

Since the start of the global campaign in Singapore, a series of launches all over the world were and will be held with Vision Zero partners that wishes to launch Vision Zero (Argentina, Australia, Germany, Ivory

Coast, India, Russia, the United States, etc.).

The true mission of Vision Zero is to change the mind-set behind the modern corporate culture of prevention based on the believe that every accident, disease and harm at work is avoidable if the management is committed, an adequate prevention system is in place and everyone in the enterprise is qualified and involved correct prevention measures are taken. Thus, Vision Zero is not only possible, but reasonable.

German Social Accident Insurance (DGUV)

## Shared values: kommitmentsch

**Walter Eichendorf**  
Deputy Director General

**Gregor Doepke**  
Director of Corporate Communications and  
Chief Press Officer



**kommitmentsch is the name of the new prevention campaign of the German Social Accident Insurance. Its aim is to inspire people to see safety and health as core values – in all aspects of life.**

**The campaign was launched on 18 October 2017 at the international A+A Safety and Health Congress in Düsseldorf, Germany. It is a long-term campaign covering a broad spectrum of media.**

It would be a mistake to believe that

2) Gerard Zwetsloot, Stavroula Leka & Pete Kines 2017 "Vision zero: from accident prevention to the promotion of health, safety and well-being at work," page 2

3) Zwetsloot et al, page 3



simply continuing to do what we've previously done will actually achieve Vision Zero – a world without occupational accidents and work-related illnesses. The great achievements in prevention work in the past cannot just be continued. After significant improvements in past decades, the decrease in the number of workplace and commuting accidents in Germany has slowed considerably in recent years. And by no means are all hazards in a rapidly changing world of work foreseeable today.

96% of company managers and 91% of employees in Germany regard safety and health at work as an important issue in their company. But only 59% of managers and around half of all employees state that there is evidence of money, time or people being invested in safety and health. There



is an especially strong need to take action in small and medium-sized enterprises.

Anyone who wants to prevent occupational accidents and work-related illnesses in the future, as per Vision Zero, must basically 'think prevention' and bring about a change of consciousness and a clear attitude in everyone involved, in short: think and act holistically.

#### Value-based campaign

The German Social Accident Insurance has summarised this strategic approach in a core message: 'Safety and health are values for every individual, every organisation and society as a whole. They should become an integral part of all actions. Preventative action is worthwhile and meaningful.' In order to achieve this,

six fields of action have been identified which can be found in the real-world life of all companies, regardless of size or sector: leadership, communication, participation, error culture, social climate/organisational climate, and prevention as an integral part of all tasks.

#### Focus areas: social media – dialogue – practical tools

The kommmitmensch campaign is broader in terms of both content and media than any previous German prevention campaign. It is a long-term campaign that will be regularly evaluated and adjusted. It will run for up to ten years across four million German companies. The campaign's slogan 'kommmitmensch – SAFE.HEALTHY.TOGETHER' encourages people to take responsibility for one another's safety and health. 'kommmitmensch' is a play on words, blending the German for 'come along' (komm mit) and the English word 'commitment'. The message is intended to reach people where they themselves communicate: posters in public spaces, editorials and advertisements in major German newspapers, and a large-scale social media campaign. Videos play a



major role in the campaign and campaign videos have already been watched or downloaded four million times via Facebook, Twitter, Instagram, YouTube and Xing. The videos are available in German and English.

The kommitmentsch campaign is designed to generate a great deal of attention and at the same time offers companies practical support for better safety and health at work. Dialogue components, guidance documents and tools geared to the business needs of small and medium-sized enterprises encourage company owners/managers and employees to make improvements in areas where safe and healthy action is relevant. E-learning modules are available online to company owners/managers and prevention experts to help sustainably enshrine the culture of prevention.

The reactions of company owners/managers and employees at numerous events, the number of videos viewed on social media, and the comments that have been posted on Facebook and Twitter confirm the success of using direct dialogue with target groups to show them how the fields of action are relevant to them. This encourages further efforts to sustainably establish a culture of prevention in companies and goes a long way towards achieving Vision Zero.

For more information:  
[www.kommitmentsch.de](http://www.kommitmentsch.de)  
<https://www.facebook.com/UKundBG/>  
<https://www.instagram.com/ukundbg/>

Institut National de Recherche et de Sécurité (INRS)

## How to cultivate a culture of prevention?

**Marie Defrance**  
 Head of International Relations



### Results of an INRS prospective study: effects of occupational safety and health education

What are the effects of occupational safety and health education received during schooling on the incidence of workplace injuries in the first 2 years of occupational life? In France, the OSH education provided to apprentices and students is mostly broader than the specific risks related to future jobs. The results of INRS prospective study highlight the advantages of reinforcing this approach.

In the period of transition from school to work, under-25s are more vulnerable to occupational accident risks due to them being both young and new to their jobs. In view of this overly high accident rate, prevention for this population has been focused on teaching occupational safety and health (OSH). In France, OSH teaching has been the subject of a partnership between the French Ministry of National Education and the French National Health Insurance Fund for Salaried Workers (CNAM-TS) since 1993. INRS takes part in defining the OSH skills on Consultative Occupational Committees of the Ministry of National Education. However, so

far, the impact of such teaching on the occurrence of occupational accidents has not been assessed. The main objective of this study was to determine the effect of OSH teaching received during schooling on the occurrence of occupational accidents in young people entering the working world. The secondary objectives of this study were focused on the potential effects of other items contributing to an OSH environment: "occupational first aider" training received during schooling and conditions of arrival and induction in the company (information on occupational risks, safety training, and job training given by a more senior colleague, etc.).

A prospective cohort study was put in place with apprentices and students from seven education districts, enrolled in the final year of their studies for their vocational diplomas (CAP/BEP), vocational certificates (brevet professionnel), vocational baccalaureates, or higher vocational diplomas (BTS), in production or service specialities (inclusions from 2009 to 2012, and end of monitoring of the last one in 2014).

The inclusion questionnaire, filled in by the participants just before they graduated, questioned them about their schooling paths, and in particular the OSH teaching received. The monitoring or follow-up questionnaire, filled in every six months for two years, questioned them, among other things, about the characteristics of the job, the working conditions, and the conditions of arrival and induction in the company, and about any occurrence of accidents at work.

Of the 755 participants eligible for the study, 90% declared they had received OSH teaching. During the monitoring, the participants declared 1290 jobs (1.7 jobs per participant on average). In 70% of cases, the job corresponded to the initial training. Also during the monitoring, 158



occupational accidents were reported by the participants or identified through the databases of the Occupational Health and Pension Insurance Funds (CARsATs), corresponding to an incidence rate of 0.12 [0.10-0.14] occupational accidents per participant-year. Half as high a risk of occupational accident was observed for participants who stated they had received OSH teaching during their schooling. A lower risk of occupational accident for the participants who had done the "occupational first aider" training was also observed. The conditions of induction on arrival in the company were not statistically associated with the occurrence of occupational accidents.

This longitudinal study made it possible to highlight a lower risk of occupational accident among young people who had received OSH teaching, and among young people who had done "occupational first aider" training. OSH teaching is given widely during studies for occupational qualifications, with an approach that is often broader than merely concentrating on the specific risks of the trade being learnt. Our results emphasise the utility of pursuing and of generalising this approach.

With the aim of providing continuation in OSH education (initial and further training throughout working life) it would be advantageous to pursue the assessment of overall OSH teaching strategies (developing prevention culture, facilitating ties between schools and companies), and the modes of inducting young people, or indeed newly hired people, that are put in place as of arrival in the company. The results of the study have been published in English in the BMJ Open: <http://bmjopen.bmj.com/content/7/7/e015100.long>

Finnish Institute of Occupational Health (FIOH)

## Current activities in the OSH area at the Finnish Institute of Occupational Health (FIOH)

**Tommi Alanko**  
Research Scientist



FIOH is promoting the Vision Zero approach and helping all kinds of Finnish organizations to move forward on the path towards their set goals in OSH. FIOH considers Vision Zero as a strategy and a holistic mind-set that leads our safety thinking. It is continuous improvement and learning, not just a numerical goal. Finnish Zero Accident forum is one example of cooperation in the Vision Zero mind-set. It consists of more than 400 members which are organizations ranging from public corporations to private enterprises. Forum participants are committed to share the best practices on occupational safety and health between the members.

To support the Vision Zero approach and advancement in occupational safety, FIOH carries out diverse research. In occupational safety, several occupational safety related projects have promoted frameworks as well as practical models and tools in safety critical fields such as nuclear energy industry, aviation, railway,

maritime as well as education. The main goal has been to increase positive safety culture and modern safety perspective in workplaces where focus is on successes and factors maintaining safety. Also, human variability is recognized, and those factors that support human success. Human factors (HF) framework has been especially used to design and improve tools to support human performance at work and safety. For example, specific tool for HF has been modified for several professional fields at our development interventions and research projects (example on maritime <https://tinyurl.com/ybl6xgv2>). The aim has been to support people at organizations to turn scope on actionable ways to promote their safety thinking and safety management.

An important technological development for OSH is the growth of virtual reality and related solutions and services. FIOH is actively researching and developing services on this area. One of the questions is how virtual reality learning differs from conventional learning in OSH. For that FIOH has started a MoSaC-project, which is a two-year research project that studies the use of virtual reality and human factor thinking as tools for occupational safety training. It compares the level of safety learning between training exercises performed in virtual reality to conventional safety education adding human factor thinking to the learning process. The goal of the project is to find out possible effects





of learning in virtual environment to safety know-how and to safety thinking. The project is focused on construction industry as six Finnish construction companies are participating in the project providing study subjects from their personnel but its results can also be utilized in other fields of operation to renew occupational safety training. FIOH is also developing a new type of eLearning product for construction and related industries, where 360-videos are utilized to improve the learning experience in risk assessment. In addition, the idea is to gamify the training to improve the workers' interest to the risk assessment training while at the same time collecting more measurable information on learning experience and success.

In the same general context, utilizing digitalization, FIOH has an ongoing research project, Logisafe, in in-house logistics. The focus is to find out whether occupational safety in in-house logistics can be improved with the aid of digital measures. The objective of this intervention study is to determine whether digital feedback and learning systems can improve safety. The study material will

be gathered from four companies during 2016–2019, using methods of document analysis, questionnaires and interviews. The two interventions are scheduled in a way that enables us to assess the effects of both digital feedback and learning systems. One of the products of project is a learning game for in-house logistics and fork lift use.

From occupational safety stand point the Arctic work environment—with low temperatures, difficult weather conditions and work days affected by the light and dark seasons—creates special requirements with respect to well-being at work and safe working conditions. Work in the Arctic has basically the same physical, chemical and biological, and mental and social health hazards than in any other part of the world, but the hazards are amplified by the harsh environment and by the increased need of personal protection. Also, sparse population and long distances are the special features of Arctic. There is a strong need to develop cold protection, predictability, usability, adjustability and compatibility of personal protective equipment as well as to understand the combined effects of Arctic

environment on human performance, strain and recovery.

Ongoing activities concentrate on research and development of smart solutions for Arctic work. By sensor-based real time monitoring systems, human thermal balance and safe working can be sustained under the harsh ambient conditions. Our on-going project has been established to determine the effects of low temperatures on functionality of respiratory protective equipment and face cooling while using them. Cold protection requirements, work processes as well as repeated rest pauses have been studied in cold and cool food processing industries. The correctly chosen PPE's contribute not only for good safety but also for improved productivity of activities.

In autumn 2019, an international summit will be organized in Helsinki, Finland, in spirit of the Vision Zero and cooperation. In this conference, the current best practices and lessons learned will be shared and discussed with the leading international experts and companies that apply them.

National Safety Council of India (NSCI)

## NSCI PROMOTING PREVENTION CULTURE IN INDIA

**V. B. Sant**  
Director General



As required under ILO Convention No. 187, the Government of India declared "National Policy on Occupational Safety and Health and Environment at Workplace" in February 2009. The Government also firmly believes that building and maintaining national preventive safety and health culture at workplace is the priority.

The National Policy also aims at continuous enhancement of community awareness regarding safety, health and environment at workplace through various means such as –

- (i) National level awareness campaigns
- (ii) Recognition of best practices
- (iii) Sharing of experiences
- (ix) Co-operation among social partners
- (x) Strengthening voluntary actions
- (xi) Integration of safety and health in vocational, professional and managerial training programmes and practices

**NATIONAL SAFETY COUNCIL INDIA  
(NSCI)**

National Safety Council, India is an apex level organization in the field of Occupational Safety and Health in India. It was set up on 4<sup>th</sup> March 1966 by the Ministry of Labour, Govt. of India as an independent, non-commercial, non-profit making and autonomous society. The mission of NSCI is to strengthen the national movement on Safety, Health and Environment for prevention and mitigation of loss of life, human suffering and economic losses. As a charitable institution NSCI has more than 8300 members ranging from companies and associations to institutions and individuals. It has established 17 chapters across the country covering almost 85% geographical area. The NSCI undertakes a variety of activities for promoting preventive safety culture in India.

### PROMOTIONAL CAMPAIGNS

#### (i) Road Safety Week Campaign (8 – 14 January, 2018)

NSCI started supplementing the government's efforts in promoting the Road Safety Week Campaign from the year 2011. To enable its members and patrons in effectively organizing the campaign, the Council produces and supplies various promotional materials such as safety badge, cloth banner, safety posters, pocket guides, films etc. with safety messages related to the theme of the campaign. For the year 2018 the theme developed by NSCI was "Avoid Over-Speeding – Prevent Accidents". NSCI reached out to more than 150,000 persons through 328 companies in different parts of the country.

#### (ii) National Safety Day / Week Campaign (4 – 10 March, 2018)

The National Safety Day / Week Campaign spearheaded by the Council to commemorate its Foundation Day i.e. 4<sup>th</sup> March, has entered 47<sup>th</sup> year of its celebrations. The Campaign is aimed at renewing the commitment of the

management, their employees and general public to work safely throughout the year. The Campaign has now grown into a major national event in OSH field and is widely celebrated by industry, trade unions, Govt. departments, regulatory agencies, NGOs and institutions, etc.

The theme of the 2018 Campaign is "Reinforce Positive Behaviour at the Workplace to Achieve Safety and Health Goals". NSCI reached out to more than 10 million persons in the country through pinning of badges; display of banners & posters; screening of safety films, etc. More than 1461 organizations participated in the campaign very enthusiastically.

#### (iii) Promotion of Fire Service Week (14 – 20 April, 2017)

In India, the Fire Services Week is observed every year from 14<sup>th</sup> to 20<sup>th</sup> April in the memory of the Fire Fighters who lost their lives in fighting fires. The campaign is spearheaded by the Director General Fire Services, Ministry of Home Affairs, Government of India. The theme for the 2017 Campaign was "Firemen – Your Partners for Saving Life and Property". NSCI reached out to 157 organizations through the campaign.

### PROMOTIONAL AND EDUCATIONAL MATERIAL

#### (i) National Safety Calendar – 2018

National Safety Calendar is being published by NSCI since 1979 with the objective of propagating prevention messages through depiction of real life hazardous situations and prevention & protection measures to be adopted.

The Calendar 2018 addressed the topics such as electrical safety, disaster management and environment protection in industry; construction safety, road safety and conditions prevalent in the country through the cartoons. The Calendar continued to be in great demand as orders for more than 250,000 copies were executed.



### (ii) HSE Diary-2018

NSCI has been bringing out HSE Diary since 1998 with an objective of disseminating useful information on the Health, Safety & Environment (HSE) topics for day-to-day use and reference for safety professionals. The HSE Diary 2018 contained diverse topics such as recent laws and regulations; OSH in supply chains; electrical safety, Sustainable reporting; sustainable management of wastes; food safety; hygiene and health; accident statistics; renewable energy etc. More than 32,000 HSE Diaries were supplied amongst safety professionals.

### (iii) Safety Posters/Pocket Guides/Safety Films

Safety Posters depicting best safety practices and Pocket Guides explaining the hazards and safe working procedures are the major educational aids widely used by companies to spread safety at work. During the year 2017, about 120,000 copies of safety posters and about 45,000 copies of Pocket Guides were supplied to the members and patrons. More than 840 copies of DVDs (Safety Films) were also distributed to educate workers.

### TRAINING PROGRAMS

NSCI develops and organizes a wide range of open safety training programs to cater to the needs various target groups from different sectors. These programs are supported by interactive sessions, exercises and case studies, demonstrations, live examples etc. During 2017, NSCI conducted 24 training programs in different parts of the country benefitting 632 participants.

A special National Level Training Program on "Leadership Development for Safety & Health" and NABET (National Accreditation Board for Education and Training) accredited training course on "Internal Auditor Course for SHE Statutory Compliance" (Photograph-1) were the new courses introduced by NSCI.



(Photograph-1) Participants along with NABET Assessor, Faculty and Course Coordinators at 1<sup>st</sup> Batch of NABET Accredited 'NSCI Internal Auditor Course for SHE Statutory Compliance'



(Photograph-2) NSCI SAFETY AWARDS – 2016 FUNCTION

On the request of companies, 96 in-plant training programmes covering 3514 participants in 55 organization were also organized during 2017. Further, 280 participants have successfully undergone e-learning courses in 8 batches.

### NSCI SAFETY AWARDS

NSCI operates NSCI Safety Awards Schemes for Manufacturing Sector, Construction Sector (and MSME Sector to provide national level recognition to the organizations for their meritorious

performance in Occupational Safety and Health. For the Awards Year 2016 applications from 307 factories, 87 construction sites and 40 MSME units were received. The award winners - 43 organisations from manufacturing sector, 12 establishment from construction sector and 15 enterprises from MSME sectors were felicitated at the hands of Hon'ble Labour Minister, Govt. of India at a special function held on 20<sup>th</sup> April, 2017 at New Delhi (Photograph-2).

American Society of Safety Engineers (ASSE)

## Significant Development in Workplace Safety Management Has Arrived

**Jim Smith**  
President



When it comes to the prevention culture of organizations around the world, a new global consensus standard can help lead the way. The American Society of Safety Engineers (ASSE) is proud to have played a key role in the creation of ISO 45001 Occupational Health and Safety Management Systems, which was published March 12 after five years in development. The process of establishing the global standard included input from more than 75 countries across six continents.

ISO 45001 is one of the most significant developments in workplace safety over the past 50 years, presenting an opportunity to move the needle on reducing occupational safety and health risks. The goal was to create a widely accepted standard that can produce a highly effective safety and health management system for an increasingly interconnected world, regardless of an organization's size, location, supply chains or nature of work. It becomes a minimum

standard of practice.

Every day around the world, more than 7,600 lives are lost due to work-related incidents and diseases. That's nearly 2.8 million fatalities a year. ISO 45001 combats this safety issue by providing a framework that can increase employee safety, reduce workplace risks and improve business outcomes worldwide.

Many organizations are transitioning to a management-systems approach as a better way to control organizational risk and achieve a measure of corporate social responsibility and business sustainability. These comprehensive systems help companies address well-known workplace hazards such as falls, which are a leading cause of on-the-job injuries and deaths.

A significant aspect of ISO 45001 is how it works within an organization to integrate with processes and goals. Everyone has a role and responsibility in the management system. Safety and health becomes a shared objective, and when done right, the organization greatly benefits from this cohesive way of managing risks. Better management of risk is needed by businesses in every industry to not only protect their human capital, but to achieve growth and sustainability objectives while improving their profitability. ISO 45001 is a tool to help organizations do just that.

ASSE has created training and professional development materials in response to significant interest from occupational safety and health professionals. The workplace safety improvements that could take place around the globe moving forward would be a major credit to all of the countries and standards experts involved in the ISO 45001 process.

Institution of Occupational Safety & Health (IOSH)

## Global IOSH campaign aims to prevent asbestos-related occupational cancer

**Shelly Frost**  
Director  
Strategic Development



**Organizations worldwide will have access to new free resources to manage cancer-risks caused by asbestos exposure at work, reports IOSH Director of Strategic Development Shelley Frost.**

The world's Chartered body for safety and health professionals – The Institution of Occupational and Safety Health (IOSH) – launched the asbestos phase of its No Time to Lose (NTTL) campaign on 9 April at BMA House in London, immediately after partnering with ADAO to promote Global Asbestos Awareness Week 2018, from 1–7 April.

### **Our mission to protect**

In addition to being a Chartered professional body, IOSH is a registered charity. An important part of our mission is to provide free, high-quality, impartial information and advice to employees worldwide about workplace issues that



may adversely affect safety, health and wellbeing. We aim to inform and protect people from harm, supporting healthier, safer workplaces.

No Time to Lose – working together to tackle asbestos-related cancer is the fourth and latest phase of a campaign we started in November 2014 to tackle, in sequence, some of the leading causes of occupational cancer. We began with particulate matter in diesel exhaust fumes, progressed to solar radiation exposure, and then respirable crystalline silica.

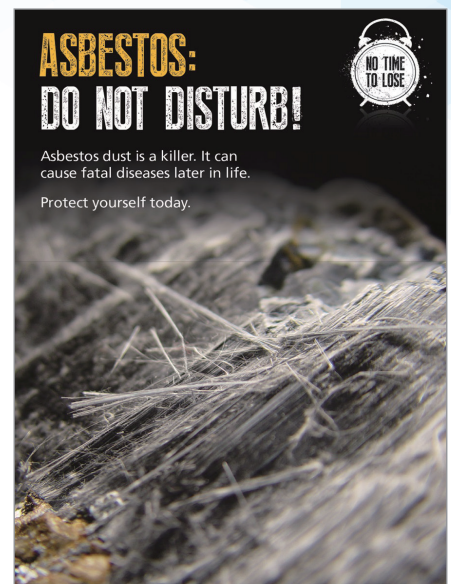
Throughout each phase, we have collaborated with organizations and businesses, in Britain and worldwide, to disseminate through managers and representatives several series of practical, easy to use and visually compelling information guides, posters and presentations to workers most at risk of exposure to these workplace carcinogens. Our network of supporter organizations worldwide now numbers over 250,

including more than 100 businesses that have signed a six-point pledge to explain how, specifically, they're improving their policies and processes to reduce or eliminate risk of exposure to occupational carcinogens.

This approach, combining good information with clear advice, communicated effectively through networks of practitioners, employers and advocates, strongly underpins our prevention strategies.

#### Lethal effects of asbestos continue to grow

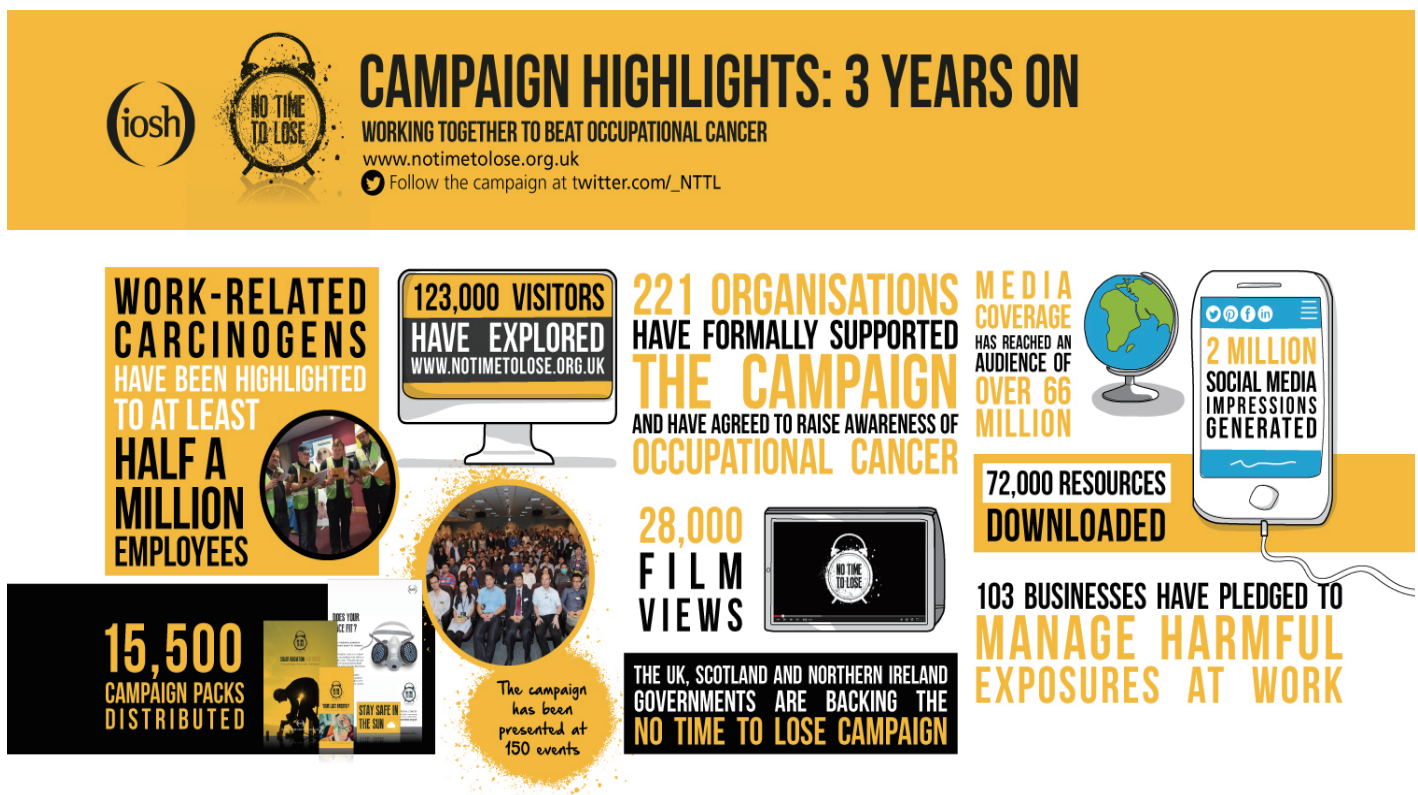
Asbestos is the biggest occupational cancer killer, claiming at least 107,000 lives a year – probably many, many more – worldwide. In Britain, around 5,000 people die from work-related asbestos exposure. NTTL aims to raise awareness of work cancer contracted by exposure to significant carcinogens and to help businesses take action by providing free practical materials. Asbestos is the fourth phase of our campaign, previous phases



included diesel engine exhaust emissions, solar radiation, and silica dust.

The risk from asbestos is considered to be so serious that 62 countries, including the UK and those in the European Union, have banned its use and have specific laws to protect workers and others who may be exposed to it.

However, asbestos is still used and





imported into many countries, and there are still many thousands of tonnes of asbestos-containing material (ACM) in buildings, and in industrial plant and equipment, all over the world. Workers and the public are therefore at risk from breathing in asbestos fibres.

Today, still around two million tonnes of chrysotile asbestos is being mined. The largest producers of asbestos are Russia, China, Kazakhstan and India.

Asbestos is the name used for a group of naturally occurring minerals that are used in many products. It is used to strengthen materials and provide fire and chemical resistance. Asbestos is usually mixed with other substances to create different ACMs, but also used on its own.

The mineral can be found in spray coatings, laggings, insulating boards, ropes, yarns and cloth, millboard and papers, fibre cement, floor tiles, gaskets, bitumen felts, mastic, sealants, putties, textured coatings and paints, and reinforced plastics.

Asbestos fibres are invisible to the naked eye and which, if breathed in, can become stuck in the lungs, can cause serious illnesses over time, including fatal cancers such as mesothelioma, as well as asbestos-related lung cancer, asbestosis and pleural thickening.

Exposure to asbestos is widespread in society, but current UK data indicates that the risk of a fatal asbestos-related cancer is greatest among people who work in construction and engineering. These trades encounter asbestos in their work during maintenance, refurbishment or demolition activity. In countries where asbestos is still used, other workers will be exposed, especially those involved in the manufacture, use or installation of products using ACMs.

### Support us to make a difference

To help businesses tackle the serious health issues caused by asbestos, IOSH, through its No Time to Lose campaign, has developed a range of resources to highlight the risks and educate workers on the dangers of exposure through the work they do.

We have a new website, factsheets, infographics, leaflets, posters, presentations, films and more – everything businesses need to educate and inform the workforce. We are delighted to be working with many partner organizations on this phase of the campaign to help raise awareness at events, share resources and provide advice to businesses.

To help tackle asbestos-related cancer, IOSH is encouraging others to demonstrate their commitment by supporting NTTL and signing up to the pledge.

Over 250 organizations worldwide are already supporting the campaign and more than 100 leading businesses worldwide have signed up to the pledge to tackle occupational cancer. Through these forward thinking companies, work-related carcinogens have been highlighted to at least half a million employees globally.

NTTL has also been presented at over 150 events globally, from Ireland to Singapore, reaching over 10,000 delegates. To find out more and get involved in IOSH's NTTL campaign, visit [www.notimetolose.org.uk](http://www.notimetolose.org.uk).



Workplace Safety and Health Council, Singapore (WSHC)

## Going home safe and healthy is what everyone wants at the end of each work day

### Ho Siong Hin

Ministry of Manpower, Singapore  
Divisional Director



This is also the same objective we had in mind when Singapore set the "WSH 2018" target ten years ago, to reduce the workplace fatal injury rate from 2.8 per 100,000 workers to 1.8 by 2018.

While everyone knew that it will not be an easy task and the ambitious target was met with scepticism, none disputed on the necessity of this journey. We knew we are on the right track but we did not simply just advocate safety and health or impose more regulations. Instead, we embarked on a journey to build a culture of care, trust and prevention which led to the achievement of a fatality rate of 1.2 per 100,000 employed persons in 2017, meeting our WSH 2018 target earlier.



The journey started with the gathering of like-minded individuals and organisations together. This led to the establishment of Workplace Safety and Health (WSH) Council on 1 Apr 2008, comprising 17 committed leaders from the major industries (including construction, manufacturing, marine industries, petrochemicals, and logistics), the government, unions, associations as well as professionals from the legal, insurance, and academic fields.



Conducted Safety Starts With Me Competition from 17 January to 20 March 2018.

The aim, is to harness the collective power of tripartite leaderships to build the culture of care. If the leaders do not care, who will?



Produced Safe Riding Guidewith tripartite partners on 12 February 2018.

This industry-centred collaboration presented a unique change to the government's approach in administering workplace safety and health. It enabled the industry to be actively involved at the decision-making level in the formulation of key policies and strategies to improve workplace safety and health. With the resources and support from the government, the WSH Council started developing guidelines, codes of practices, programmes to build risk management capabilities and led outreach efforts, evolving to be an effective and credible voice of the industry.

All of these initiatives were well-received as they are meant for the industry, by the industry. They were meant to support companies in paying attention to workplace safety and health, without high compliance costs or impractical requirements. Employers started adopting the guidelines, codes of practices, implemented the programmes in their companies and some even went the extra mile to influence their business associates to join them. Through the active participation in the various



Held the bizSAFE Convention to celebrate the achievements of bizSAFE community on 7 February 2018.

initiatives, employers created a safe and healthy environment for their workers, in addition to merely provide a livelihood for them. This sends a strong and assuring signal that the employers care for their workers.

When the basic needs of the workers are met, they start to reciprocate by building trust in their employers over time. This is a key foundation of a strong working relationship. Aligned with employers' emphasis on WSH, workers will also in turn, feel comfortable and motivated to raise and highlight potential safety and health risks on the ground to their employers so that effective measure can be put in place



Launch of 21<sup>st</sup> World Congress on Safety & Health at Work 2017 - from the left, International Labour Organisation (ILO) Director-General Guy Ryder, Singapore Prime Minister Lee HsienLoong, International Social Security Association (ISSA) President Dr Joachim Breuer.





I Can Prevent Falls



I Can Prevent Vehicular Hazards



I Can Prevent Amputations

Three "I Can Prevent" videos, focused on addressing three key hotspots - falls, onsite vehicular hazards and amputations, are aired on national television channel from 26 February to 8 April 2018 daily.

to better support them. Workers can then better focus their energy on their work and help their employers gear up for the challenges ahead. This leads to a virtuous cycle which further improves the overall WSH and promotes a culture of prevention. While this cycle takes its course, we knew more can be done.

As announced by Singapore Prime Minister Lee HsienLoong at the 21<sup>st</sup> World Congress on Safety & Health at Work 2017 on 3 September 2018, Singapore will work to reduce the workplace fatal injury rate to below 1.0 per 100,000 workers by 2028.

To do this, the Singapore Government announced the formation of a new WSH2028 Tripartite Strategy Committee at the Ministry

of Manpower's Budget Debate on 3 March 2018. The Committee will comprise leaders from industry, unions and key players in the WSH landscape and consult widely and chart out a comprehensive plan for WSH development over the next 10 years to ensure workers can work in safer and healthier conditions.

Our journey will continue, driven by the notion that every life matters and a strong belief that all ill-health and injuries are preventable. We will press on and sustain the momentum, so that everyone can go home safe and healthy at the end of each work day.

BG ETEM

## How Companies could improve their Culture

Christian Spötter  
Press Spokesman



**The German Social Accident Insurance Institution for the energy, textile, electrical and media products sectors (BG ETEM) is participating in the campaign driven by the statutory accident insurance in Germany. Under the slogan "kommmittmensch" (Come with me), in the next few years priority will be given to making health and safety a core value in companies.**

Prevention culture? What is that? This is

the key question at the beginning of each discussion on the new Kommmittmensch campaign. Why should a concept of culture be the main focus? A person belongs to the culture and is a part of the culture. People are permeated with it, as are organisations. Culture can be thought of as a joint creation that we always build together: a type of jointly accepted interpretation of reality. It develops through our daily dealing with our environment and everyday life. The author Edgar Schein defines it as a "pattern of basic assumptions invented, discovered or developed by a group and proven to be successful in so far as they are considered valid and therefore are taught to new members as the right attitude that they should perceive, think and feel with."

People often believe, nothing has happened; hence, we have safe working conditions; therefore, we do not need to worry about health and safety. An alternative interpretation is obvious, if in everyday situations there is still a fight for safer working conditions. Nothing has happened because we were attentive and actively alerted to possible problems. This interpretation corresponds with a proactive attitude combined with a focus that values prevention culture. It develops if joint experiences have been shared in attentive and safety-oriented behaviour.

It still needed to be established what exactly these routines would look like. For this purpose, in 2016, the BG ETEM was looking for a partner with relevant experience. The Center for Responsible Research and Innovation (CeRRI) at the Fraunhofer Institute for Industrial Engineering (IAO) in Berlin was the very partner they were looking for.

### From "This is Nonsense!" to "Principled" – a "Prevention Expedition"

The initial point of the work of the CeRRI was a scientific study conducted with the aim to support member companies





in reflecting, discussing and developing prevention culture. In order to be able to record and understand the needs of the member companies, altogether 40 interviews were conducted and evaluated in five medium-sized companies of the electronics industries. These results were reflected upon in a focus group discussion with ten stunt performers who were used as an extreme group for the purpose of comparison. In a second workshop, consisting of interested people as well as experts from occupational health and safety, these findings were further developed.

From this, three tools were developed which differ in methods and objectives. Thus, the card game This is Nonsense! (Das ist Quatsch!) begins with the employee and makes him aware of occupational health and safety issues by playfully invalidating common excuses not to deal with subject or not to respect existing rules.

The tool Principled (PrinzipienFest) encourages the employee to reflect and to

discuss things by uncovering blind spots in daily situations and developing desirable operational principles.

Finally, the Prevention Expedition provides relevant information on occupational health and safety. It makes a connection between all the offers of BG ETEM that are available online. In addition, it provides a framework for discussion and the wording of joint guiding principles. The different approaches of the tools allow an offer that meets the demands of the companies to deal with the prevention culture according to their specific needs and to optimise them.

“The tools support teams in talking about guidance, communication, participation, work atmosphere or error management,” explains Dr Just Mields, occupational psychologist at BG ETEM and technical manager for the development of the campaign. “These tools,” according to Just Mields, “complement the Come with Me dialogues that were designed by order of the umbrella campaign for small enterprises.

They are versatile and offer the companies many occasions to make prevention culture a subject of discussion: on health awareness days, at team events or in the framework of instructions.”

### Guides for companies

In order to make the tools well known to the companies, the BG ETEM will use its proven communication channels. These include, besides the customer magazine, the online presence as well as a Facebook page and a YouTube channel. Furthermore, there will be events for company managers. In order to increase its visibility, BG ETEM has plans to place advertisements in industry journals.

Companies that want to work on their culture will find their first personal point of contact to be the sales representatives of the prevention department. Here, prevention employees function as guides who will point the way to further information and offers of support.

## Section news

### The 6<sup>th</sup> Bureau Meeting of the Section in Singapore

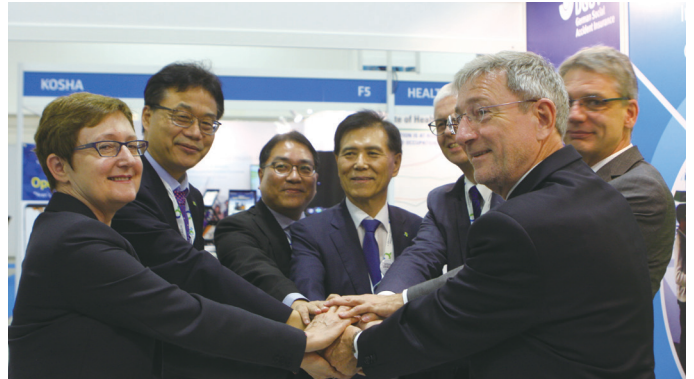


The 6<sup>th</sup> Bureau Meeting of the Section was hosted successfully with 20 participants from 11 organizations on the occasion of the XXI World Congress on Safety and Health at Work 2017 in Singapore. In the 6<sup>th</sup> meeting, the Section's activities were shared and some issues were on the table including the progress of Prevention Culture Index development project, tentatively closing the mobile application, new membership application, and so on. The meeting was chaired by Lee, Young-soon, former President of KOSHA.

### 'A culture of prevention on OSH' symposium during the 21<sup>st</sup> World Congress

With Prof. Lisa Fowlie as the moderator of the symposium, we invited prominent speakers from around the world. Mr. Bernd Treichel from ISSA delivered OSH paradigm shift in view of Vision Zero through his speech on 'Culture of Prevention and Vision Zero'. Dr. Ulrike Bollmann of DGUV shared knowledge and information on international leading indicator for culture of prevention including introduction of current process of PCI development. Role of government towards a culture of prevention was covered by Er. Ismadi Mohd from the Ministry of Manpower of Singapore. He spotlighted the six steps to disseminate Vision Zero. Dr. In-jae Shin of OSHI of KOSHA delivered the progress of prevention culture projects and future orientations. Prof. Lawrence Waterman from OBE expressed his thoughts on the right way to culture of prevention in construction. Last but not least, Mr. Igor Shelukhin from NirdGold shared the experience of NoreGold with audiences by providing core elements of NordGold's focus on safety.

### PCI Joint Research between DGUV-KOSHA



DGUV, one of the Vice Chair organizations of the Section and KOSHA had a meeting for moving toward the next stage of joint research on Prevention Culture Index (PCI), on June 6<sup>th</sup> during the XXI World Congress on Safety and Health at Work 2017 in Singapore.

### Disseminating a culture of prevention at the Russia Health and Safety Week



During the Russia Health and Safety Week, the second week of April, 2017, world prominent OSH professionals including KOSHA, ILO, MoM were gathered in Sochi, Russia to disseminate a culture of prevention on OSH.

## Pending members for approval

- Berufsgenossenschaft Handel und Warenlogistik (BGHW)

## Further activities of the section

### Leadership conference Ministry of Labour, Social Affairs and Integration, National office for consumer protection

Date	03–04 May 2018
Venue	Oranienbaum-Wörlitz, Germany

### International Symposium on Electrical Safety (SISE in Spanish)

Date	28–30 May 2018
Venue	Belo Horizonte, Brasil
Hosting Entity	Every year, the SISE is co-organised by several institutions from the energy sector in Latin America and the Section for Electricity of the ISSA.
Website	<a href="http://www.sise.online">www.sise.online</a>

### 4<sup>th</sup> Congress of Prevention – Healthy living and working life

Date	20–22 June 2018
Venue	FILharmonie Filderstadt, Germany
Website	<a href="http://www.praeventionskongress-2018.de">www.praeventionskongress-2018.de</a>

### Singapore Workplace Safety and Health (WSH) Conference 2018

Date	29–30 August 2018
Venue	Singapore
Hosting Entity	WSH Council, Supported by Ministry of Manpower (MOM), National Trades Union Congress (NTUC) and Singapore National Employers Federation (SNEF)
Website	<a href="https://www.wshc.sg/wps/portal!/ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGjzOJ9_E1MjByDDbzdPUIMDRyNfA08QsyNDYPNTIAKInErcA4zJk6_AQ7gaEBIf7h-FD4LYBeAFcXoiA3NMIg01ERA01D0RM!/dL5/d5/L2dBISvZ0FBIS9nQSEh/?action=cmsPublicView&amp;cmsId=C-2014081900004">https://www.wshc.sg/wps/portal!/ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGjzOJ9_E1MjByDDbzdPUIMDRyNfA08QsyNDYPNTIAKInErcA4zJk6_AQ7gaEBIf7h-FD4LYBeAFcXoiA3NMIg01ERA01D0RM!/dL5/d5/L2dBISvZ0FBIS9nQSEh/?action=cmsPublicView&amp;cmsId=C-2014081900004</a>

### Congress and Exhibition: arbeitsschutz aktuell

Date	23–25 October 2018
Venue	Stuttgart, Germany
Website	<a href="http://www.arbeitsschutz-aktuell.de">www.arbeitsschutz-aktuell.de</a>

### Vision Zero 2019 Summit

Date	12–14 November 2019
Venue	Clarion Hotel Helsinki, Finland
Hosting Entity	Finnish Institute of Occupational Health and Finnish Zero Accident Forum
Website	<a href="https://www.ttl.fi/en/join-vision-zero-2019-summit/">https://www.ttl.fi/en/join-vision-zero-2019-summit/</a>



# List of members

## Chair organization

- Korea Occupational Safety and Health Agency (KOSHA)

## Vice-Chair organization

- Deutsche Gesetzliche Unfallversicherung (DGUV)
- INSTITUT NATIONAL DE RECHERCHE ET DE SÉCURITÉ (INRS)
- Finnish Institute of Occupational Health (FIOH)
- National Safety Council of India (NSCI)
- The American Society of Safety Engineers (ASSE)

## Consultative Capacity

- ILO, Labour Administration, Labour Inspection, and Occupational Safety and Health Branch
- ISSA

## Members

- Institution of Occupational Safety and Health (IOSH)
- Workplace Safety and Health (WSH) Council, Ministry of Manpower (MOM)
- Safety and Environment Protection Research Institute (SEPRI)
- Malaysian Occupational Safety and Health Professionals' Association (MOSHPA)
- Malaysian Society for Occupational Safety and Health (MSOSH)
- The national Safety and Health Council of Indonesia (NSHCI)
- HSE Consultatant LTD
- Vietnam Occupational Safety and Health Association (VOSHA)
- National Institute of Labour Protection, Vietnam (NILP)
- Occupational Safety and Health Council (OSHC)
- Hong Kong Occupational Safety and Health Association (HKOSHA)
- Ministry of Social Welfare and Labour (MSWL)
- Ministry of Labour and Vocational Training (MLVT)
- Occupational Safety and Health Bureau, Dept. of Labour Protection & Welfare (DLPW)
- Occupational Health Division Ministry of Health (MOH)
- Ministry of Labour & Transport Management, Dept. Of Labour, Labour Office, Hetauda (MLTM)
- Association of Safety Practitioners of the Philippines (ASPP)
- National Institute of Occupational Safety and Health, Japan (JNIOSH)
- Technology Institution of Industrial Safety (TIIS)
- ISSA Chemistry Section
- ISSA Construction Section
- ISSA Electricity, Gas and Water Section
- ISSA Mining Section
- ISSA Education and Training Section
- International Organisation of Employers (IOE)
- Korea Chamber of Commerce & Industry
- Federation of Korean Trade Unions (FKTU)
- Citizens' Coalition for Safety
- Korean Industrial Health Association (KIHA)
- The Korean Society of Safety (KOSOS)
- Korea Construction Safety Engineering Association
- Korea Industrial Safety Association (KISA)
- Korean Association of Occupational Health Nurses
- Korea Safety Equipment Association (KSEA)
- GS Caltex Corporation
- Samsung Electronics
- Samsung Electro-Mechanics
- Bureau for Safe Work - Ministry of Labour, Invalids, and Social Affairs (MOLISA)
- BG ETEM
- General Agency for Specialized Inspection of Mongolia (GASI)
- EDF Group
- Associazione Professionale Italiana Ambiente e Sicurezza (AIAS)
- Italian Institute for the Insurance against Work Accidents (INAIL)
- British Safety Council
- International Network of Occupational Safety and Health Practitioner Organizations (INSHPO)
- Fundacentro
- TÜV Rheinland Korea
- Evraz Group of Russia
- Arab Labor Organization
- Deutsche Gesetzliche Unfallversicherung (DGUV) IAG
- OPPBTP

## Section for a Culture of Prevention | APRIL 2018

<b>Chairperson</b>	Park, Doo Yong, KOSHA		
<b>Vice-Chairperson</b>	Walter Eichendorf, DGUV Satish Reddy, NSC India	Stéphane Pimbert, INRS Jim Smith, ASSE	Antti Koivula, FIOH
<b>Secretary General</b>	Kwon Jong Kyu, KOSHA	<b>Honorary Advisor</b>	Hans-Horst Konkolewsky, ISSA



**issa**  
Section for a culture of prevention

**Secretariat of the ISSA**  
International Section for a Culture of Prevention  
Korea Occupational Safety and Health Agency

400 Jongga-ro, Jung-gu, Ulsan, 44429, Republic of Korea  
T: +82 52 7030 746 | E: [overseas@kosha.or.kr](mailto:overseas@kosha.or.kr)  
Stay updated: <https://www.issa.int/en/web/prevention-culture/about>