

# KOSHA NEWS

Protecting Worker's Life and Health

August 2017. vol.88



The background image shows the exterior of a modern building with a glass facade and a light-colored lower section. The word "KOSHA" is prominently displayed above the entrance, accompanied by the agency's logo. The building has a series of vertical windows and a large overhanging roof supported by black columns.

**KOSHA**

## COVER STORY

The 50th Occupational Safety & Health Day

## NEWS

Intensifying Capacity to Prevent Chemical Accidents

A seminar aiming at improving safety and health of workers in the service industry

Preparation for the mutual growth fundament based on symbiotic cooperation between main contractors and subcontractors

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# The 50th Occupational Safety & Health Day: Declaration of Paradigm Shift of occupational Safety

Declaration of President Moon Jae-in through video message



**The 50th Safety and Health Week was held from July 3rd to the 7th at COEX, participated in by 250,000 workers, business owners and the general public.**

\* Since 1968, the first Monday of the first week of July has been designated as "Safety and Health Day" and the corresponding whole week, as "Safety and Health Week" to give wider publicity to people, regarding the importance of safety.

**At the ceremony of the 50th Safety and Health Day held on July 3rd, President Moon Jae-in clarified "the message of occupational safety and health policies of the new government" on video**

\* For the last five decades, this kind of video message has been unprecedented. In 1984, only the Prime Minister participated in the 17th ceremony.

- President Moon Jae-in, while mentioning that the primary value of the government lies in protecting lives of our people, emphasized that no other value can be prioritized more than lives and safety of workers and declared a paradigm shift for occupational safety.
- President Moon made it clear that the main contractors and ordering companies must be responsible for hazards caused on industrial sites and "the industrial sites with fatal accidents will be forced to suspend all on-going tasks until safety is assured again."
- Many who participated in the ceremony made a resolution to focus on future-oriented occupational safety and health. The participants constituting the representatives of labor-management-private-public sectors and more than 1,000 citizens included the Federation of Korean Trade Unions,



## The 50th Occupational Safety & Health Day: Declaration of Paradigm Shift of occupational Safety

Korean Confederation of Trade Unions, Korea Employers Federation, Safe Life Citizen Union and the Vice-Minister of Employment and Labor (Lee Sung-ki).



**The Ministry of Employment and Labor as well as KOSHA clarified that they had prepared a variety of events encouraging the participation of people, to let the citizens know of the importance of occupational safety and health, and facilitate their easy access to it in the course of preparing the event of 50th Safety and Health Week.**

- The main slogan of the event was defined as "Looking after safety and health together & Creating the happy future together", symbolizing that business proprietors, workers, and all citizens have been maintaining safety together, and the maintained safety and health will bring all of us a happy future.
- The events encouraging the participation of people constituted diverse activities; by inviting well-known people in the society and celebrities, focused on the theme of safety of industrial sites and our society, we organized a special lecture "Sebasi

(Change the World in 15 minutes)," safety-related theater, CBS music open broadcasting, UCC contest related to safety and health, contest of academic papers of college and graduate school students, and Quiz for foreigners.

- We operated "History Pavilion of safety and health of 50 years" and "exhibition hall" allowing the panoramic view of the development of safety and health policies as well as the progress of products of safety facilities such as industrial protectors.
- ▲ The Safety & Health Week will include diverse activities;
- ▲ International symposium under the theme of "50 years of prevention of occupational accidents: The mission for future safety and health," where many experts in safety and health from around the world will participate including the Secretary General of the International Social Security Association (ISSA), the Vice-President of Disaster Insurance Association of Germany (DGUV), and the Director of The French Institute for Research and Security (INRS) of France.
- ▲ 35 different seminars under the professional themes required in the industrial sites such as the Industry 4.0 and occupational health.
- ▲ Competitive exhibition of 16 exemplary cases such as excellent cases of symbiosis and cooperation in terms of safety and health between main contractors and subcontractors.
- ▲ "Leader conference by type of industry", where safety responsible executives of large companies by type of industry will participate for discussing the autonomous safety management including the industry sectors such as automobile, steel, logistics, shipbuilding and construction.



## The 50th Occupational Safety & Health Day: Declaration of Paradigm Shift of occupational Safety

- Further information regarding this event is available on the homepage of the 50th Safety and Health Week (<http://www.safetyweek.or.kr>).

**In the ceremony, 24 people received the prize of the Vice-Minister of Employment and Labor (Yi Sung-ki), in contributing to the merits of prevention of occupational accidents. The winners were selected through a fair and strict evaluation process of the government.**

- The main winners:
  - Choi Shi-don, CEO of Simmtech Co., Ltd. won the Bronze Medal of occupational Merit, for having successfully established autonomous management system of safety and health based on active investment in prevention of occupational accidents and cooperation between main contractors and subcontractors despite the difficult situations that arose in the process.

- Kwon Ki-chan, Head of Production Division of KHT Engineering Co., Ltd. won the Steel Medal of occupational Merit, for having led in improvement activities by inducing risk evaluation activities where workers participate in exploring harmful risk factors by process.
- Professor Kim Hyeon-wook of the Catholic University of Korea won the Fifth-grade Medal of Merit, for having actively established the policy of asbestos management in the work field by participating in the enactment of norms regarding occupational and health standards related to asbestos such as dissolution and elimination work management of asbestos-based buildings.
- The Occupational Award was bestowed upon three people; Chang Young-gil, CEO of Hanmi Fine Chemical Corporation, Lee Yong-ju, CEO of Youngwoo Co., Ltd and Lee Shin-young, Safety Environment Team leader of Yeoju Plant of KCC Corporation, for having contributed to the prevention of industrial disasters through improving the standard of safety and health of industrial sites.



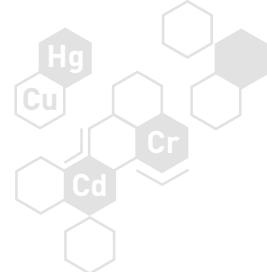


## The 50th occupational Safety & Health Day: Declaration of Paradigm Shift of occupational Safety



# Intensifying Capacity to Prevent Chemical Accidents

KOSHA - NICS,  
Sign MoU for Chemical Accident Prevention



**KOSHA(Vice President : Dong-chun Kim) and National Institute of Chemical Safety (NICS, President : Kyun Kim) signed an MoU for 'Chemical Accident Prevention' at NICS located in Daejeon on Friday June 2.**

- The purpose of this MoU is to enhance the level of domestic occupational safety and health and spread of process safety as a culture through intensified R&D and information exchange.

**\* Summary of MoU for Chemical Accident Prevention**

- Date and Time : 14:00-15:30, Friday June 2, 2017
- Location : National Institute of Chemical Safety (Daejeon)
- Participants : Officials including Vice-president for Technology Dong-chun Kim of KOSHA, President Kyun Kim of NICS

**The risk of chemical accidents such as fire, explosion, and leakage of poisonous substances is increasing due to the advancement of chemical industry, increase of chemical substances in circulation, and aging of chemical facilities.**

- Especially, chemical accidents can easily develop into a national calamity as they influence residents and even environment near the accident, not to mention the workers and great emphasis is laid on the efforts to prevent chemical accidents.

**Through this MoU, KOSHA and NICS will cooperate with each other on △ reviewing the risk of hazardous and dangerous facilities △ investigating and developing countermeasures against causes of chemical accidents △ developing measures to minimize damage in the case of accident △ enhancing workers' safety consciousness in a joint effort to prevent and respond to chemical accidents.**

- KOSHA will be supporting △ review and approval of hazardous and dangerous facilities process safety report △ survey of severe occupational accidents △ safety inspection at petrochemical plants △ worker's safety training.



## Intensifying Capacity to Prevent Chemical Accidents

- NICS will be supporting △ review of the external impact assessment and hazard control plan relating to harmful chemical facilities △ survey of and response to chemical accident △ harmful chemical facilities safety inspection.
- Particularly, KOSHA and NICS will share their knowhow in developing and using accident impact analysis program to improve it up to that of advanced nations.

**Vice-president Kim of KOSHA said, “Both institutes will concentrate our resources for chemical accident prevention through this MoU and do our best to protect workers’ and the nation’s safety against chemical accidents.”**



# A seminar aiming at improving safety and health of workers in the service industry

KOSHA organized a seminar aiming at diffusing excellent cases relevant to safety and health for protecting workers of vulnerable occupations in the service industry



**On July 5 at COEX, KOSHA organized a seminar aiming at diffusing excellent cases relevant to safety and health for protecting workers in the service industry and protecting workers of vulnerable occupations in the service industry to share new methods of disaster prevention.**

- In this seminar held as a concomitant event during "the 50th Safety and Health Week", 200 people as well as Fedex Korea, SEOUL METRO LINE 9 CORP, and SPC Group have participated.
- In the first session, excellent methods of safety and health of the companies participating in the seminar have been presented. The second session constituted discussions for exploring safety and health methods to prepare for expansion of the service field, which will develop posterior to the Industry 4.0.

**Park Sang-woo, the Director of Service Industry Safety Bureau of KOSHA commented that "in accordance with the reorganized industrial structure of our country, the importance of the service industry is constantly on the rise" and added that "through this seminar, we will seek for various methods for improving safety and health in response to expansion and changes of the service industry based on the approach method focused on organizational culture."**

# Preparation for the mutual growth fundamant based on symbiotic cooperation between main contractors and subcontractors

- Dongkuk Steel Miill Co., Ltd (Incheon Plant) and Lotte Shopping Co., Ltd (Lotte Mart Iksan Branch), growing in company with cooperative subcontractors
- Stemtech Co., Ltd.: Safe workplace being created in company with its workers

**There are some workplaces where a safe environment without discrimination is guaranteed with enhanced management of safety and health based on the cooperation between main contractors and subcontractors.**

- The Incheon Plant of Dongkuk Steel Mill Co., Ltd., aiming at mutual growth with subcontractors as a main contractor (mother company), helped 7 subcontractors in establishing the management system of safety and health, through supporting the budget of about 500 million won for improving the working environment such as installation of protection screens in hazardous facilities, by participating programs of symbiotic cooperation between main contractors and subcontractors of the government.
- As a result, 7 subcontractors were recognized as outstanding workplaces in the risk evaluation, and they benefited from the reduction of occupational accident insurance by up to 20% to the maximum.
- \* It is a system aiming at resolving the gap of safety and health by improving the level of prevention of occupational accidents and management of safety and health of subcontractors, through human and material support for subcontractors, based on the establishment and execution of programs led by main contractors in company with subcontractors. It started in 2012 and 991 mother companies and 8,524 subcontractors have participated (Cumulative total up to 2016).
- Lotte Mart Iksan Branch of Lotte Shopping Co., Ltd. in the service industry composed a symbiotic cooperation group along with 4 subcontractors such as mart cleaning and ornament, and formed the cooperative working environment by seeking harmful risk factors inside the working places and supporting the budget of about 40 million won.

## **Excellent cases of small and medium enterprises of provinces creating safe workplaces with workers**

- Since 2012, Stemtech Co., Ltd. the secondary subcontractor of Hyundai Motor Company, producing automobile parts from Chaesin 2 Complex of Yeongcheon City of Gyeongbuk, played



## Preparation for the mutual growth fundamant based on symbiotic cooperation between main contractors and subcontractors

a leading role in participating in the risk evaluation project of the government with 36 workers and invested about 150 million won for improving risk facilities. This way, a working environment free from occupational accidents has been resumed since 2015.

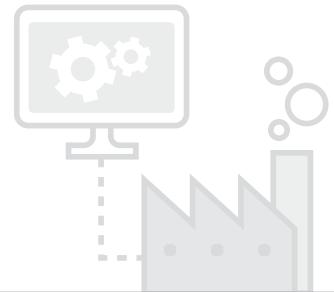
\* It is a process of which harmful risk factors of the industrial sites are detected and the possibilities (frequency) and intensity of wounds or diseases caused by the corresponding harmful risk factors are presumed and determined to establish reduction measures. The industrial sites recognized for having excellent risk evaluation have increased: 2013 (884 sites) → 2014 (3,898 sites) → 2015 (4,448 sites) → 2016 (5,217 sites).

**On the other hand, during the 50th occupational Safety & Health Week, a variety of exemplary cases of prevention of occupational accidents have been presented such as symbiotic cooperation of main contractors and subcontractors. In particular, Dongkuk Steel Mill Co., Ltd was selected as an outstanding exemplary industrial site.**

- The excellent cases of each company introduced through this presentation will be re-introduced via the homepage of KOSHA and official social media (Blog and Facebook).
  - \* Homepage of the 50th occupational Safety and Health Week (<http://www.safetyweek.or.kr>) → Buletin board → Presentation materials of seminar
  - \* Homepage of KOSHA (<http://www.kosha.or.kr>) → Business guide /Application → Promotion of safety culture → Occupational Safety and Health Week

# Working Conditions in South Korea at a Glance

OSHRI, Conducts the 5th Working Conditions Survey  
Examines Level of and Change in Working Conditions  
and Use as Reference in Establishing Occupational Safety  
and Health Policy



**Occupational Safety and Health Research Institute (OSHRI, Director General: Jang-ho Kim) is conducting the 「The 5th Working Conditions Survey」 for three months from June 26, which examines the working conditions for workers who are 15 years of age or over among 50,000 households throughout the nation.**

- The Working Conditions Survey (Approval No. 380002) of the National Statistics Office has been held every three years since the first one held in 2006.

**Working conditions survey examines the level of and changes in the overall working conditions in South Korea through 300 questionnaires inquiring about △ working hours △ job prospect △ exposure to physical and mental risk factors △ social conditions including violence and discrimination △ labor intensity technology △ education △ work-life balance that influence the healthy life of workers.**

- The result of working conditions survey is used as the basic data for establishing and researching occupational safety and health policies. For we use the same questionnaire as the European Union(EU)'s Working Conditions Survey\*, it is possible to compare the level of working conditions.

\* European Working Conditions Survey (EWCS) is conducted by Eurofound under EU. The 6th survey was conducted in 2016 and it is conducted in 35 countries including 28 members of EU, Norway, and Switzerland.

**Statistical data related with working conditions survey can be viewed through KOSHA homepage. Anyone who wishes to have source document may make a request through KOSHA homepage\*.**

\* KOSHA Homepage ([www.kosha.or.kr](http://www.kosha.or.kr)) → Information → Occupational Accident Statistics → Working Conditions Survey → Apply for Source Document  
Korean/English Questionnaire, User Guide, and Source Document are provided altogether



## Working Conditions in South Korea at a Glance

**"This is the age when policies are established based on objective and scientific data. Working conditions survey provides important data for the government's policies for labor policies occupational safety and health policies," said Director General Kim of OSHRI,**

- "We need full cooperation from those who are selected for the survey in order to establish right policies based on the survey of working conditions and enhance the quality of our living," asking the whole nation for their support and cooperation.



# Passing on Training System to Myanmar to Step Up Occupational Safety and Health



**Occupational Safety and Health Training Institute (OSHTI, Director General : In-jae Shin) of KOSHA trained safety and health officials of the Ministry of Labor, Immigration, and Population (MOLIP) of Myanmar in a program hosted by International Cooperation Center in KOSHA from June 12 to 16.**

- This training, provided through the technical cooperation agreement signed between KOSHA and MOLIP, was prepared to invite safety and health officials of Myanmar and pass on KOSHA's technical and theoretical knowledge on OSH.

**This training comprised lectures and interactive training on the subjects including △ Introduction to Safety, Construction, and Health △ Risk Assessment △ Survey and Analysis of Occupational Accident △ Prevention of Construction Accidents.**

- The program introduced the safety and health system of South Korea alongside the history and development of occupational safety and health training, followed by interactive program to experience the training system and laboratories and equipment.
- Trainees also visited construction sites to examine the site and think about safety measures to experience realistic and effective safety training.
- Win Shein, the Head of Safety and Work Inspection Bureau, MOLIP participating in this training, visited the safety and health training facilities of OSHTI and experienced systematic training system and said, "This training will be a substantial help in enhancing the level of safety and health in Myanmar."

**"Professional skills and knowhow are the most important assets in the field of occupational safety and health," said Director General Shin of OSHTI, "We will continue to support those who are vulnerable to safety and health issues such as developing nations for shared growth by providing our professional skills and knowledge."**

# Educational Support to Enhance Science Teachers' Safety Management Capacity

OSHTI provides capacity building programs for science teachers for the safety management at science laboratories



**Occupational Safety and Health Training Institute (OSHTI, Director General : In-jae Shin) and Ulsan Board of Education joined hands to intensify the capacity of elementary, middle, and high school science teachers in Ulsan for laboratory safety management.**

**This e-Learning program was prepared through the cooperation between both institutes to reduce recently increasing laboratory accidents and targets 500 science teachers and their assistants in 240 elementary, middle, and high schools within the jurisdiction from June 1.**

- This training comprises a total of 11 contents designed to prevent safety accidents within science laboratories through prompt initial response and systematic control of accident in a case of accident including safety related regulations applied to laboratories, first-aid, and safety control applicable to each laboratory.

**The e-Learning safety training takes place on the OSHTI's e-Learning Center ([safetyedu.net](http://safetyedu.net)), and teachers can log on to the e-Learning Center using the ID and password issued to them through the board of education to receive training.**

**According to the materials issued by the Department of Science and ICT in 2014, there were a total of 166 accidents in the laboratories, showing a sharp increase from 107 accidents in 2013. The most common type of accident was the contact with sharp surface which accounted for 28% followed by fire for 16%, contact and dispersion for 15%, and burst and explosion for 12%.**



## Educational Support to Enhance Science Teachers' Safety Management Capacity

**Director General Shin of OSHTI said “We expect that this training to enhance science teachers’ capacity in managing safety in the laboratory and responding to safety accidents professionally in order to provide safe laboratory environment for both teachers and students.”**



# Safe protectors shielding workers

OSHCI announced the 21st Fair of Product Quality Grand Prix in Protection Devices and Protectors



In "The 21st Fair of Product Quality Grand Prix in Protection Devices and Protectors" held by the Audit Bureau of KOSHA with the purpose of discovering/promoting good-quality safety products for the industrial sites, the lightproof goggles of SERVORE Co., LTD. won the Prize of the Minister of Employment and Labor.

\* Light proof goggles: A protector to shield eyes from ultraviolet rays, infrared light and visible rays

- In the present Fair of Product Quality, celebrating its 21st anniversary, 36 products from 30 companies have been released. The final 8 products have been selected as good-quality products, through serious deliberations of experts and online evaluations.

The Grand Prix winner, "Lightproof goggles" of SERVORE CO., Ltd. can be used in all places where ultraviolet rays, infrared light and visible rays are present. The patent for glare prevention (patent number 1657141) was applied.

- This product features the design of goggle form maintaining the shape of lightproof goggles to improve the current difficulty in wearing a protector while welding, as well as the broad inner space, facilitating welding tasks while wearing the protector.
- Moreover, this product is highly evaluated in the sense that it considers user friendliness; for instance, workers wearing glasses can still work wearing the existing glasses and the vision supplementary lens is detachable in the inner side of the goggles.

Anhyup Electronics Corporation won the Award of Innovation for Disaster Prevention. The "Protective device of presses and shearing machines (two-handed manipulation method)" is based on noncontact magnetic sensor to reduce malfunctions such as those from a switch contact flaw and improve switch contact durability.



## Safe protectors shielding workers

The Award Ceremony of the Fair of Product Quality was held from 3rd to 7th of July during the event week of "the 50th Safety and Health Highlight Week" at COEX. The ceremony aimed to give wider publicity to the excellence of products through exhibition of awarded products, publication of promotional booklet and post-up in the homepage of KOSHA.





**Published by**  
**Korea Occupational Safety and Health Agency**

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