

# KOSHA NEWS

**October 2018**

Protecting Worker's  
Life and Health

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# Special Measures Tailored for Each Region to Reduce Fatal Accidents at Industrial Sites



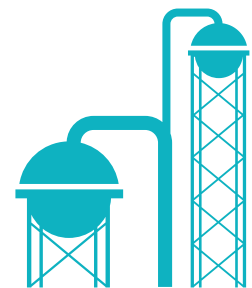
## 01

KOSHA (President : Park, Doo Yong) establishes specially tailored measures accommodating each region in order to curtail fatal accidents and plans to exhaust its resources for those measures.

- An average of 1,000 workers loses their lives from accidents at their workplaces every year in Korea, which is notably higher than the OECD nations.
- Accordingly, KOSHA, together with the Ministry of Employment and Labor, intensifies its efforts by focusing all of its resources, including manpower and budgets, for the purpose of cutting down the number of fatalities by half by the year 2022.
- These efforts are gradually bringing visible results as the fatal accidents finally took downturn this year; however, since some of the regions and business sectors displayed upward curves, KOSHA decided to implement special measures tailored by regions.

## 02

The measures are to focus on accident-prone business sectors based on statistics of fatal accidents by regions and analysis of accident types for the past 10 years; subsequently, the measures are to be enforced through collaboration through interagency operations, including the Ministry of Employment and Labor.



- Taking the Yeosu region saturated with chemical factories for an example, gas leakage and fire accidents frequently broke out in recent months, which led KOSHA to fully mobilize preventive measures against accidents arising from repair and maintenance works at chemical facilities.

## Special Measures Tailored for Each Region to Reduce Fatal Accidents at Industrial Sites



- Between September and October, regular maintenance periods for chemical facilities, KOSHA offers technical guidance and training on high-risk processes, such as repairs works at chemical facilities, for supervisors of business places with high risks for accidents.
- In Seoul concentrated not only with population but with large buildings and parking structures, preventive measures are to be enforced to avoid accidents likely to occur during repair and maintenance works of elevators and parking facilities.
- KOSHA plans to help elevator maintenance businesses developing safety procedures and also to provide inspections on risk factors for parking facility operators and training on safe working protocols.
- In addition, KOSHA focuses its resource by regions in order to prevent faulty forklift works, operations using unsafe ladders and trapping accidents where fatalities often occur.



### 03

President Park of KOSHA said, "Safe workplaces will become reality only when not just the government but also everyone, including business owners, workers and general public, works together to make it happen."

- "We are determined to invest best efforts to provide environment where workers are able to appreciate safe and healthy workplaces through the latest specials measures tailored for each region to reduce fatal accident," Park insisted.

# Professional Workforce to Be Developed for Accident Prevention at Small Business Sites

KOSHA Offers Free Training to Earn License for OSH Personnel



## 01

KOSHA offers free training program for safety & health personnel to acquire a license for worksites subject to appointment since the appointment system for OSH personnel enters into force starting in September.

### Overview of Appointment System for Safety & Health Personnel

#### • Responsibility of Safety & Health Personnel

It is to assist a business owner with respect to safety & health issues and to provide consultation and guidance for employees in charge of management and supervision.

#### • Business Place Subject to Appointment

Business with 20 or more but less than 50 full-time employees: Businesses of

① Manufacturing, ② Forestry, ③ Sewage, wastewater & excreta treatment, ④ Collection, transportation, treatment and recycling of wastes, and ⑤ Environment purification and restoration

※Korean Standard Industrial Classification publicly announced by the Commissioner of the Statistics Korea pursuant to the Statistics Act

#### • Enforcement Date

- From September 1<sup>th</sup>, 2018 for business sites with 30 or more but less than 50 full-time employees

- From September 1<sup>th</sup>, 2019 for business sites with 20 or more but less than 30 full-time employees

※Subject to an administrative fine of ₩5 million KRW upon failure of appointment of safety & health personnel

#### • Eligibility

A person who completed a training program from KOSHA, a person qualified for a safety officer (Attached Table 4 of the Enforcement Decree) and a health officer (Attached Table 6 of the Enforcement Decree)

# Professional Workforce to Be Developed for Accident Prevention at Small Business Sites

KOSHA Offers Free Training to Earn License for OSH Personnel



- The training program is featured with
    - △ duties of a person in charge of safety & health management,
    - △ the Occupational Safety and Health Act,
    - △ cases of accident by business types and how to use safety & health data, and
    - △ VR empirical training.
  - Total training hours are 16 hours consisting of 5 hours for e-learning and 11 hours for collective training course.
  - e-Learning needs to be completed prior to a collective training course, and the training shall be deemed completed when at least 90% of collective training course is attended.
- 
- Applications for the training may be submitted through the official website of KOSHA ([www.koshats.or.kr](http://www.koshats.or.kr)), and collective training course will be offered at training facilities of KOSHA.
  - A person who completes the training program for the appointment system for OSH personnel shall be credited with training hours (16 hours) for a management officer in the given year.

## 02

The President Park of KOSHA said, "I sincerely hope this program to contribute to accident prevention at small businesses though development of outstanding manpower of OSH personnel, which eventually leads to further promote voluntary safety & health system throughout the industry."

# Safety Makes People a Priority

Prevention of Major Accident at Chemical Facility  
Reminded on 270<sup>th</sup> Safety Inspection Day, Sep. 4<sup>th</sup>



## 01

The Ministry of Employment and Labor (MOEL) and KOSHA conducted safety inspections throughout the nation to commemorate the 270<sup>th</sup> Safety Inspection Day on September 4<sup>th</sup> (Tue).

- The latest Safety Inspection Day was observed with a theme on prevention of major fatal accidents at chemical facilities under the slogan, "Safety Makes People a Priority."

## 02

As evidenced by the hydrofluoric acid leakage accident in Gumi in 2012, major accidents at chemical facility deliver significant society-wide impacts on not only workers but neighboring residents.

- Accordingly, the latest central safety inspection was conducted at SK Incheon Petrochemical Factory in order to promote exercise of safety at the worksites during the regular maintenance period (September through October) when risks for accidents are especially high at chemical facilities.



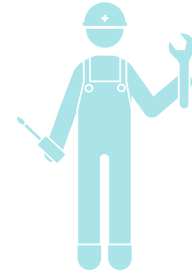
## 03

During this safety inspection day, intensive inspection was performed mainly on on-site risk factor management\* in order to prevent accidents of fire/explosion/leakage by Chung, Hyeong Woo, Director of Central Employment and Labor Office, a manager of chemical accident prevention department from the Ministry, Vice President of Training and Safety Culture of KOSHA and a number of officials at the sites.

\* Management of harmful/risk factors for fire, explosion and leakage of harmful substances, propriety of advance prevention, safety measures for harmful substance storage facility and proper installation of fire-fighting system

# Safety Makes People a Priority

Prevention of Major Accident at Chemical Facility  
Reminded on 270<sup>th</sup> Safety Inspection Day, Sep. 4<sup>th</sup>



- At the following review session, KOSHA shared inspection results with the executives from businesses and discussed key elements to inspect by major processes as well as responsive measures in the event of accidents.
- In addition, KOSHA emphasized more efforts to prevent occupational accidents to officials from workplaces and obligation of safety and health by principal contractors to protect workers from subcontractors.

## 04

MOEL and KOSHA plan to help further spreading autonomous safety inspection culture throughout all workplaces in order to eradicate occupational accidents through continuous practice of Safety Inspection Day.





# Competency Enhancing Workshop for Online Journalists



## 01

KOSHA hosted a workshop to help online journalists of college students strengthening their journalism competence at the head office located in Ulsan for 2 days between August 23<sup>rd</sup> and 24<sup>th</sup>.

- 'Andante,' a group of online journalists of college students in the 7<sup>th</sup> year of its existence, held an annual launching ceremony in May and has worked on and produced news articles on prevention of occupational accidents.



## 02

This workshop was prepared in order to engage in further systematic journalism activities by helping journalists of college students strengthening their sense of belonging as well as on-field work performance.

- The workshop not only invited outside experts to enhance participants' promotional capabilities but also offered field trips to industrial complexes in order to help better understanding the projects preventing occupational accidents.
- At the same time, opportunities to strengthen friendship were also offered, including award ceremony for outstanding journalists during the first half of the year and time to share their experiences.



# Conference on Win-Win Growth for SMEs

Signed an Agreement on Performance Sharing System to Develop Start-ups with New Safety Technology



## 01

KOSHA hosted a conference on win-win growth with representatives from 7 small-and-medium-sized enterprises participating in the project of 'Start-ups with New Safety Technology' at the Sihwa Industrial Complex on the September 6<sup>th</sup>.

- 'Start-ups with New Safety Technology' is a joint project between the KOSHA and Ulsan Center for Creative Economy and Innovation designed to promote start-up companies in the field of safety for the purpose of creating jobs in the safety industry and promoting safe society, where 10 small-and-medium-sized enterprises were selected earlier this year through public competition.
- At this conference, an agreement on performance sharing system was executed where the KOSHA supports small-and-medium-sized enterprises (SMEs) with infrastructure (technology, manpower, etc.) and assistance for market expansion while SMEs help out latecomer of small-and-medium-sized businesses with their performances (part of sales revenue) from production and distribution of their products.



## 02

Eunjin Co. (President : Jeon, Du Seong), one of the participants at the conference, expressed appreciation for the supports given by KOSHA and the Center which helped its product and technical developments and expansion of markets.

- It also asked KOSHA and the Center to further strengthen platforms for the project promoting start-ups with new safety technology to continue for the sake of SMEs suffering difficulties in securing distribution channels after developing products.

## 03

An official from KOSHA said, "We will invest best efforts to foster an ecosystem for win-win-growth in order to help small businesses growing independently by enhancing our supports for SMEs through continuous innovation and improved services."

# MOEL's Nationwide Campaign on Fall Accident Prevention at Construction Sites

Attended by KOSHA, Construction Association, Accident Prevention Agencies on Aug. 14<sup>th</sup>



## 01

The Ministry of Employment and Labor (Minister : Kim, Young Joo) launched nationwide fall accident prevention campaigns to commemorate 'The Inspection Day on Fall Accident Prevention' on August 14<sup>th</sup> (Tue).

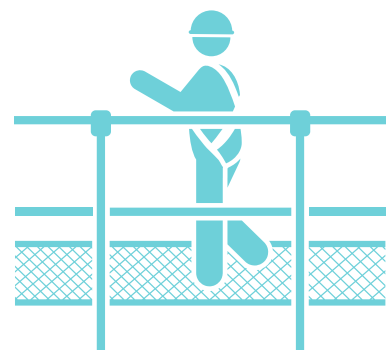
- The main event of the campaign was held at the head office of the MOEL; and on the same day, a number of events were celebrated at regional offices around the nation by a number of interagency organizations, including the KOSHA and accident prevention agencies, together with on-site workers and officials of construction companies.

※The Safety Inspection Day on the 4<sup>th</sup> day of every month, the Inspection Day on Fall Accident Prevention on the 14<sup>th</sup> day of every month, and the Inspection Day on Construction Machinery and Equipment on the 24<sup>th</sup> day of every month

## 02

The event above is a part of the campaign aiming to encourage voluntary improvement efforts during the awareness period (the month of August) for the purpose of preventing fatal accidents from falls.

- In September (for 3 weeks from the 3<sup>rd</sup> to 21<sup>st</sup>), intensive disciplinary control is implemented mainly upon outer scaffolding safety facilities prone for the most frequent fall accidents.



# MOEL's Nationwide Campaign on Fall Accident Prevention at Construction Sites

Attended by KOSHA, Construction Association,  
Accident Prevention Agencies on Aug. 14<sup>th</sup>



## 03

Park, Young Man, Director General of Industrial Accident Prevention and Compensation Bureau, pointed out, "Most of accidents at construction sites can be easily prevented merely by complying with basic safety regulations such as installation of safety rails."

- "Principal contractors need to make more efforts to take responsibility for managing fundamental safety facility for all workers including the ones from subcontractors, and workers also need to help strengthening safety practices by wearing protective gears," Park insisted.



# Sign Business Agreement on 'Safe Armed Forces'

KOSHA-ROK Army Expanded Cooperation on Safety  
& Health Training, Consulting to Promote Safety  
Culture in Military Forces



## 01

KOSHA and the Republic of Korea Army (Chief of Staff : Kim, Yong Woo) entered into a business agreement as of 10:00am on the September 4<sup>th</sup> (Tue) at the Army Headquarters located in Gyeryong-si, Chungcheongnam-do in order to enhance safety culture throughout military forces.

- This agreement was executed to elevate execution and effectiveness of accident prevention by expanding the scope of cooperation and practical assignments from the previous agreement concluded in last May for the purpose of preventing safety accidents for army soldiers, future industrial workforce.



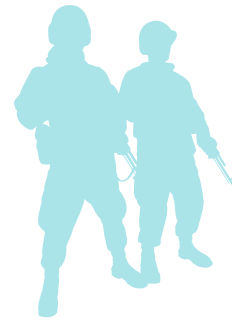
### Summary of Business Agreement to Secure Safety Culture

- **When & Where** : Gyeryongdae, ROK Army Headquarters at 10AM on September 4<sup>th</sup> (Tue), 2018
- **Attended by** : Park, Doo Yong, President of KOSHA, Kim, Young Woo, Chief of Staff of ROK Army

- Under the agreement, KOSHA supports ▲ safety & health training, ▲ consulting on safety & health, ▲ cooperation in research works whereas the army engages in accident prevention activities within the armed forces ▲ by building a safety management system for constructions for the next 3 years.
- At the same time, surveys on working environment surrounding military facilities and researches on health management plans for soldiers will be jointly performed.

# Sign Business Agreement on 'Safe Armed Forces'

KOSHA-ROK Army Expanded Cooperation on Safety  
& Health Training, Consulting to Promote Safety  
Culture in Military Forces



- Meanwhile, KOSHA has been implementing a variety of accident prevention activities in cooperation with the 'Committee to Make the Army Safe' founded by the army at the end of last year to promote safety of soldiers.

- KOSHA also conducted consulting safety & health for 8 units, including maintenance and ammunition, within the army and professional training courses to develop instructors specialized in safety.



- Especially in July earlier this year, KOSHA delivered a training program on safety management for army generals for the duration of 2 days and 1 night for the first time in the history of ROK Army where the importance of safety leadership was strongly emphasized.

\* Training for Army Generals (194 generals) : The 1<sup>st</sup> unit (July 12<sup>th</sup> & 13<sup>th</sup> at Army Headquarters), the 2<sup>nd</sup> unit (July 17<sup>th</sup> & 18<sup>th</sup> at Army Headquarters) and the 3<sup>rd</sup> unit (July 19<sup>th</sup> & 20<sup>th</sup> at Army Headquarters)

## 02

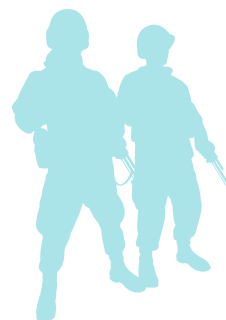
Following the signing of business agreement, a seminar on safety policies and safety issues within the army was held in order to widen the military-wide consensus placing the highest priority on the safety.

- The seminar was attended by 240 people, including President Park, Doo Yong of KOSHA, Kim, Yong Woo, the Chief of Staff of Army, Ryu, Hee In, the Vice Minister for Disaster and Safety Management at the Ministry of Interior and Safety, Yoon, Eui Cheol, Director of National Risk Management Center and Moon, Young Ki, Director of National Counter Terrorism Center.



# Sign Business Agreement on 'Safe Armed Forces'

KOSHA-ROK Army Expanded Cooperation on Safety  
& Health Training, Consulting to Promote Safety  
Culture in Military Forces



03

Kim, Yong Woo, the Chief of Staff of Army said, "We are here to make sure the army to be the force where all youth wants to enlist themselves with, all parents are willing to send their children to and all people in Korea are proud of through cooperation with KOSHA."

04

President Park of KOSHA also added, "With this latest agreement, both organizations will make best efforts to protect the life and health of all military soldiers, the future industrial workforce, by successfully implementing safety system for the Korean army."





# Agreement to Build Win-Win Growth Partnership between KOSHA & SOLTWORKS

Cooperate to Adopt Real-Life-Like Safety & Health Education Using VR



## 01

KOSHA signed a business agreement to build a partnership for win-win growth with SOLTWORKS (Chairman : Kim, Ki Ho) on the August 24<sup>th</sup> (Fri) at the Seoul Northern Regional Office of KOSHA.

- KOSHA aims to improve existing safety & health training, which has remained as more of formality, into a real-life-like training course by grafting VR (virtual reality) technology.

## 02

KOSHA also accommodates the government's policy on win-win growth between large and small-and-medium-sized enterprises (SMEs hereafter) by assisting the growth of private enterprises through its supports for VR technology to expand into safety & health market.



- KOSHA assists exhibition and promotion of SOLTWORKS' VR contents at safety & health exhibitions both in Korea and overseas and plans to provide test environments for newly developed VR contents.

## 03

Lee, Chu Moon, the Vice President of Training and Safety Culture of KOSHA, said, "This agreement is destined to help building safety & health system that is effective and realistic."



- "We will endeavor to foster win-win growth environment for both business enterprises and KOSHA by helping SOLTWORKS expanding into safety & health market," Lee said.



# Innovative idea for working people's safety and health

Winners Selected for 5<sup>th</sup> Thesis Competition on Working Condition Survey



## 01

The Occupational Safety and Health Research Institute (OSHRI, Director General : Kim, Jang Ho) under the KOSHA selected\*\* winners for the 5<sup>th</sup> Thesis Competition on Working Condition Survey\* at Gyeongju Hyundai Hotel on the September 30<sup>th</sup> (Thur).

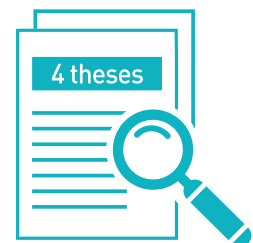
\*The working condition survey

The working condition survey investigates the level of and changes in working conditions targeting 50,000 households and workers over 15 years of age around the nation every 3 years since 2006 where its 5<sup>th</sup> survey was conducted last year.

\*\*Award Ceremony

2018 Summer Symposium by the Korea Industrial Hygiene Association at Gyeongju Hyundai Hotel on August 30<sup>th</sup> (Thur)

- This year's competition selected 4 finalists of which theses presented innovation ideas with their themes on health or safety of working people by utilizing data from the 1<sup>st</sup> through 4<sup>th</sup> working condition surveys conducted by KOSHA.



Subject	Grand Prize	Outstanding Award	Honorable Mention
Graduate/ Under-graduate Students	Baek, Ji Eun Education Major at Kwangwoon University (MOEL Minister's Award)	Won, Seol A Korea University Graduate School of Public Health (KOSHA President's Award)	8 theses
		Team of Seoul National University College of Medicine (Lim, Hyeon Muk & 4 others) (KOSHA President's Award)	
General	-	Yoon, Ji Hyeon (OSHRI Director General's Award)	

# Innovative idea for working people's safety and health

Winners Selected for 5<sup>th</sup> Thesis Competition on Working Condition Survey



## 02

The grand prize for graduate/undergraduate students went to the “Study on Effects of Interactive Process under Working Condition on Working Stress and Objective Recognition Health State” by Baek, Ji Eun an education major at Kwangwoon University.



- The thesis by Baek was highly recognized for its successful verification of the effects delivered by the concept of interactive process from the impacts of working stress on psychological well-being and objective health state.
- An outstanding award was won by the “Study on Characteristics of Occupational Damages to Workers: Using the 4<sup>th</sup> Working Condition Survey,” presented by Seol-a Won from Korea University Graduate School of Public Health.
- Another outstanding award was awarded to the “Relation of Work-Life Balance, Effort-Compensation Imbalance and Depression from Korea Paid Workers” by the team of Seoul National University College of Medicine (Lim, Hyeon Muk, Park, Cham Jin, Yuk, Ji Hu & Kim, Min Seok).
- An outstanding award for general participants was given to “Working Stress by the Intensity and Frequency of Emotional Labor by Female Workers” by Yoon, Ji Hyeon.

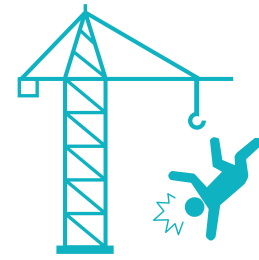
## 03

Director General Kim of OSHRI said, “I believe this competition will be a great opportunity to vitalize researches using big data to prevent occupational accidents and to reflect innovative ideas from general public on actual policies and worksites.”



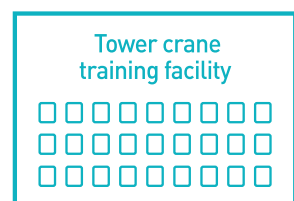
# KOSHA to Build Educational Infrastructure to Prevent Tower Crane Accidents

Allocated Budget of \$5.86 Million for Construction of Training Center for Installation & Disassembly of Tower Crane, Scheduled for Next Year



## 01

KOSHA secured a budget of \$5.86 million to build a training facility for installation and disassembly of tower crane, which is scheduled to launch next year.

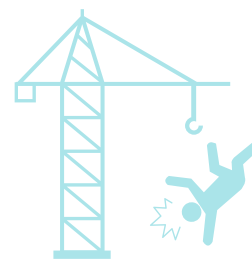


- Following the accidents at construction sites in Namyangju and Uijeongbu during installation and disassembly of tower cranes leaving 6 fatalities, there have been growing public concerns for tower crane accidents which have become society-wide urgent issues.
- The government in last November announced its preventive measures to prevent tower crane-related major accident, together with relevant authorities, in order to secure safety at construction sites and prevent similar accidents, and the measures have been in place ever since.
  - Especially in March earlier this year, the Ministry of Employment and Labor amended the 'Regulation on Restrictive Employment for Harmful/Dangerous Works' to extend training hours for installation and disassembly of tower cranes from 36 hours to 144 hours while extensively reorganizing the training courses by focusing the training on actual practices.
- Accordingly, KOSHA procured budgets to newly build mandatory training facilities for the purpose of protecting workers engaging in the installation and disassembly works of tower crane, where the construction of the facility is scheduled to begin next year.
  - Once the training facility is completed, a practice-oriented training system will be implemented where workers are to learn how to effectively install and disassemble tower cranes.



# KOSHA to Build Educational Infrastructure to Prevent Tower Crane Accidents

Allocated Budget of \$5.86 Million for Construction of Training Center for Installation & Disassembly of Tower Crane, Scheduled for Next Year



- Moreover, since 3 types of most frequently used tower cranes will be installed at the training facility, trainees will be benefited through practice-oriented tailored training as they can practice actual installation and disassembly works.

## 02

Director General Shin, In Jae of Occupational Safety and Health Training Institute (OSHTI) announced, "Through procurement of budget for construction of training facility, we are now able to provide environment where workers in charge of installation and disassembly of tower cranes effectively learn about safe working protocols."



- "KOSHA and OSHTI are determined to keep developing training courses meeting the level of safety that everyone demands by continuously improving the infrastructure of safety and health training at industrial sites," the Director General Shin said.



- Meanwhile, this newly planned training facility will be located within the site of Incheon Labor Welfare Complex (Central Training Facility of OSHTI).



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