

KOSHA NEWS

June 2019

Protecting Worker's
Life and Health



Contents

News

- 03 Information briefing held for public institution on preparation of basic safety plan
- 04 Secure your difficult-to-obtain corporate guarantee through safety management activity
- 06 Where my company's level of safety awareness stands?
- 08 A handbook on eradication of blind spots for fire/explosion at worksites
- 09 KOSHA-MLSP sign extension of cooperation agreement on OSH technology

OSHTI

- 10 Findings of epidemiological survey on semiconductor manufacturing workers

OSHCI

- 12 Results Announced from the 23rd Quality Fair on Protection Device/Protective Gear



Information briefing held for public institution on preparation of basic safety plan

01

KOSHA held an information session on preparation of basic safety plans for 10 public institutions under the umbrella of the Ministry of Employment and Labor at the 5th floor meeting room of KTX Daejeon Station on the May 28th.

- ▶ As all public institutions are required to establish a basic safety plan for the purpose of securing safety management at workplaces and to submit the plan to the competent authorities and the Ministry of Economy and Finance by the end of June, KOSHA intends to help out those institutions preparing the plan through this information briefing session.
- ▶ The information briefing offered an explanation upon fundamentals of a basic safety plan prepared by KOSHA as well as a Q&A session to develop safety management measures reflecting distinctive features of each institution.

02

A staff of KOSHA said, “We plan to provide more opportunities like today’s information briefing to help public institutions developing systematic plans to secure safety at workplaces for the purpose of ensuring implementation of practical occupational accident prevention activities.”



KOSHA provided a briefing about the basic safety plan to the 10 public agencies under the Ministry of Employment and Labor



Secure your difficult-to-obtain corporate guarantee through safety management activity

01

KOSHA and Korea Technology Finance Corporation (Chairman & President : Jeong, Yoon Mo) engaged in supporting business enterprises by introducing a guarantee program for outstanding businesses in safety management activities in order to help resolving financial difficulties for small-and-medium-sized enterprises with superb safety management activities.

- ▶ KOSHA has involved in a number of assistance programs to help safety management activities of small-and-medium-sized enterprises, including formation of clean worksites and financing for occupational accident prevention facilities, in the past.
 - However, those programs were only available when used for procurement of various products and safety facilities to prevent occupational accidents.
- ▶ These two agencies entered into a business agreement designed for them to work together to provide benefits for outstanding business enterprises in safety management activities, including preferred guarantee ratios and deduction of guarantee fees.

Signing Ceremony on Business Agreement to Support Guarantee for Outstanding Businesses in Safety Management Activities and to Improve Safety & Health Levels

▶ When & Where :

11am on May 14th, 2019 KOSHA Headquarters in Ulsan

▶ Attended by :

KOSHA Vice President for Management, Executive Director of KTFC

02

Business enterprises eligible for this program are small-and-medium-sized enterprises recognized of their efforts to implement safety management activities by participating in 5 occupational accident prevention projects* offered by KOSHA.



Secure your difficult-to-obtain corporate guarantee through safety management activity

* △KOSHA18001 △Risk Assessment △Participating on Win-win Cooperation Program on Safety & Health △Conformity on Examination of Technical Capability and Production System △Awarded at Contests for Start-ups with New Safety Technology

- ▶ The KFTC provides benefits where 100% of guarantee ratio is applied for the first 3 years and guarantee fee is discounted by 0.2%p when qualified businesses take loans from financial institutions.
 - These benefits are expected to bring substantial supports for business activities of recipients by causing effects of practical interest rate discounts.
- ▶ Detailed information, including how to apply for the guarantee program, is scheduled to be posted at the 'NURIJIB'* of KOSHA after June.

* NURIJIB > Jobs > Job Activity

03

President Park, Doo Yong of KOSHA, said, "I expect this program to set an ex-ample leading public institution to realize social values by promoting safety management activities and helping the growth of small-and-medium-sized enterprises."

- ▶ "KOSHA is dedicated to ensuring healthy environment for everyone to work safely by fostering workplaces where safety is guaranteed as a basic right," Park added.

KOSHA (Vice President for Management, left) and KIBO (Standing Auditor, right) signed an MoU for introducing a guarantee program for outstanding businesses in safety management activities and enhancing safety and health level





Where my company's level of safety awareness stands?

01

KOSHA launched a 'Program for Improvement on Level of Safety Awareness' designed to conduct self-imposed inspection on the level of safety awareness at worksites.

- ▶ Introduced as a replacement of the certification for zero-accident movement which has been in operation for the past 40 years, this program aims to build a foundation to convert the safety awareness at workplaces from zero-accident oriented to prevention-oriented.
- ▶ KOSHA planned to encourage effectively engaging in occupational accident prevention by presenting measures capable of measuring and improving the level of safety culture at worksites through this program to elevate the levels.

02

This improvement program was developed and designed based on the advance indicators* diagnosing the level of safety culture at workplaces, which is subdivided into survey and in-depth programs.

* 4-step execution procedures (Plan-Do-Check-Action) concerning the 4 domains of safety culture (safety value, safe operation, safety training and safety communication)

- ▶ The survey-type program is in a format where a survey is conducted on voluntary basis through online at worksites, comprised of 48 questionnaires for each class (management, manager & worker), 144 questionnaires in total.
 - The outcome of the survey collected is to be printed out in a report on findings of diagnosis on safety awareness level at worksites and comprehensive assessment.
- ▶ The in-depth program targets a portion of worksites participating in the survey where KOSHA pays a visit to those worksites to offer consultations.





Where my company's level of safety awareness stands?

03

A staff of KOSHA said, “We hope to help the business sites establishing prevention-oriented safety culture through processes of identifying and improving the level of safety awareness by fully utilizing the program for improvement on level of safety awareness.”

Leaflet

How to measure safety awareness through Safety Awareness Level Improvement Program

4 프로그램 참여 시 유의사항은?

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- 사업장의 안전에 대해 평소 가지고 있는 생각을 **솔직하게 응답**해야 정확한 진단이 이루어집니다.
- 본 프로그램 결과는 **인사평가나 상벌의 근거자료가 될 수 없습니다.** 사업장의 안전문화 활동 방향을 설계 하는 참고 자료로만 사용해주세요.
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‘안전심리 검사프로그램’은 **개인의 안전의식·안전행동** 등 불안정한 행동을 유발하는 심리적 원인을 파악하여 개선하는 데 도움을 주기 위해 개발된 도구입니다. 본 프로그램을 통해 안전과 관련된 **개인의 심리적 특성** 및 주의집중 성향을 측정할 수 있습니다.

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충남지역본부	충청남도 천안시, 아산시, 당진시, 예산군, 보령시, 서산시, 홍성군, 서천군, 부여군, 청양군, 태안군	041, 570, 3400

2019-교육홍보-293

안전은 권리입니다

안전의식 수준향상 프로그램으로

안전의식수준 **진단** 하세요!

고용노동부 안전보건공단



A handbook on eradication of blind spots for fire·explosion at worksites

01

KOSHA distributes handbooks aiming to prevent fire/explosion accidents at small-and-medium-sized worksites.

- ▶ This upcoming booklet is developed in order to contribute to reducing occupational fatal accidents by removing blind spots for fire/explosion as it introduces key preventive measures for accidents at small-and-medium-sized worksites in lack of resources for safety management compared to big companies.
- ▶ The contents are based on 6 major topics, including △ understanding of fire/explosion phenomena △ how to identify harmful/hazardous substances △ key responsive measures by materials/facilities with high accident rates (OPL) △ major safety device for chemical facility △ preventive measures based on natural disasters and climate conditions (seasonal) △ cases of fire/explosion/leakage accidents.
 - In addition, as this booklet is prepared focusing on the details of substances and facilities prone for accidents based on the statistics of occupational accidents, it is destined to elevate technical understanding as well as for worksites to develop responsive measures for fire and explosion.
- ▶ The booklet is available through the 'NURIJIB'* of the KOSHA.

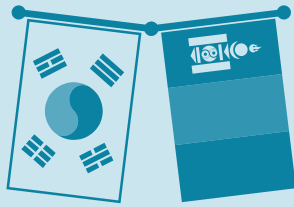
* NURIJIB of KOSHA (<http://www.kosha.or.kr>) > Introduction of Business > Occupational Safety > Technical Training on Accident Prevention > Archive

02

A KOSHA staff said, “We anticipate this handbook to prevent reoccurrence of similar accidents and contribute to reducing occupational fatal accidents by being used for establishment and training of safety and health measures at small-and-medium-sized workplaces.”



Cover of the handbook aiming to prevent fire/explosion accidents at small-and-medium-sized worksites



KOSHA-MLSP sign extension of cooperation agreement on OSH technology

01

KOSHA and the Ministry of Labour and Social Protection (MLSP) signed an extension of the technical cooperation agreement, which will promote exchanges and cooperation in the field of occupational safety and health.

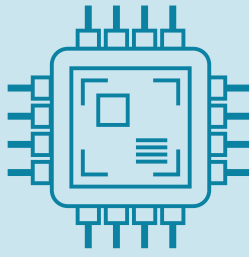
- ▶ According to the extension of the agreement, KOSHA and MLSP are focused on following initiatives;
 - Sharing technical information
 - Engaging in human resources exchanges
 - Consulting about education and technology
- ▶ Since the signing of the first agreement in 2003, 103 government officials of MLSP have been trained in Korea and 47 experts of KOSHA have been dispatched to Mongolia to help establish the OSH acts.

02

Meanwhile, KOSHA also concluded technical cooperation agreements with Generalized Agency for Specialized Inspection (GASI) and planned to work together to enhance the safety and health of both countries, including dispatching experts and technical information exchanges.



Dr. LEE, Chul Woo (left) Vice President for Management of KOSHA and Ms. Mungunchimeg Sanjaa (right) Vice Minister of MLSP signed an extension of cooperation agreement on OSH technology on May 20th at the government office in Ulaanbaatar



Findings of epidemiological survey on semiconductor manufacturing workers

01

KOSHA announced the findings from a longitudinal survey on cancer incidence and mortality risk ratio for the past 10 years (2009 thru 2019) in order to overcome the restrictions on past epidemiological surveys, such as insufficient observation data, and procure sufficient observation data ever since conducting an epidemiological survey at workplaces of semiconductor manufacturers in 2008 following the outbreak of leukemia among semiconductor manufacturing workers in 2007.

02

The epidemiological survey analyzed the cancer incidence and mortality risk ratio targeting approximately 200,000 former and current workers at the workplaces of 6 semiconductor manufacturers.

- ▶ Unlike the survey in 2008, this longitudinal survey compared the cancer incidence and mortality risk ratio of semiconductor manufacturing workers with the entire workers* as well as the general public in order to attain more accurate assessments.

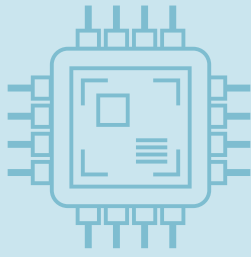
03

Based on the epidemiological survey, it was found that female semiconductor manufacturing workers carry higher risks for hematologic malignancy (leukemia, non-Hodgkin lymphoma) than the general public and entire workers as shown below:

- ▶ With respect to leukemia, it was learned that the incidence risk of female workers concerned is 1.19 times* and 1.55 times* higher than the general public and entire workers respectively, and their mortality risk is 1.17 times* and 2.3 times* higher than the general public and entire workers respectively.
- ▶ Regarding non-Hodgkin lymphoma, it was revealed that the incidence risk of female workers concerned is 1.71 times* and 1.92 times* higher than the general public and entire workers respectively, and their mortality risk is 2.52 times* and 3.68 times* higher than the general public and entire workers respectively.

* Statistically not significant; Please refer to the details separately attached for more information.

** Statistically significant; Please refer to the details separately attached for more information.



Findings of epidemiological survey on semiconductor manufacturing workers

- ▶ Specific causes contributing to the incidence of hematologic malignancy were not identified; however, it appeared that the working environment may have affected its onset when the followings are accumulated.
- ▶ In the meantime, the onset risk ratios of stomach cancer, breast cancer, kidney cancer and some rare cancers* were also high in addition to hematologic malignancy.

04

The report on epidemiological survey suggested that the health and working environment of workers at worksites of semiconductor manufacturers need to be continuously managed and additional studies on health impacts of the semiconductor industry also need to be conducted.

- ▶ Consequently, KOSHA plans to monitor semiconductor manufacturing worksites for self-regulatory safety/health activities as well as to operate risk management systems, such as chemicals exposure monitoring system by given duties, for the electronics industry including subcontractors and small-and-medium-sized businesses by establishing the Electronic Industry Safety & Health Center.

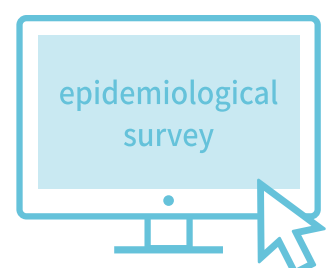
05

President Park of KOSHA said, “With the findings from the latest epidemiological survey, I expect to be able to manage cancer incidences in Korean semiconductor manufacturing businesses and also to bring tremendous assistance for establishment of active prevention policies.”

- ▶ “KOSHA aims to enhance the innate function of epidemiological surveys detecting risks prior to the outbreak of diseases by vitalizing epidemiological surveys on risk groups by occupations in the future,” Park announced.

06

The entire text of the report on epidemiological survey is scheduled to be posed at <http://oshiri.kosha.or.kr>





Results Announced from the 23rd Quality Fair on Protection Device/Protective Gear

01

Occupational Safety and Health Certification Institute (OSHCI, Director General: Kim, Bong Ho) announced the results from the 23rd Quality Fair on Protection Device/Protective Gear.

▶ Celebrating the 23rd year of the existence, this quality fair has been held annually with an aim to effectuate the efforts for prevention of occupational accidents by discovering outstanding safety products and expanding the market.

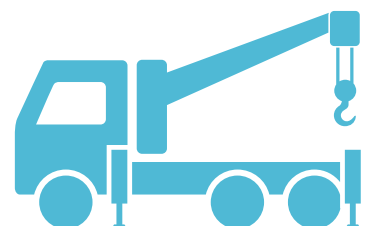
- 8 products* selected for awards will be honored with a plaque and prize money, including the Minister's Award of Employment and Labor and KOSHA President Award.

* 8 products from Shinhan Electronics (overload protective device), Geumgok Precision (safety bar), OSCG Co. (compound cable glands), Seongan Save (safety bar), etc.

Subject	Winner	Plaque	Prize Money
Grand Prize	1 product	MOEL Minister's Award	₩2 million
Innovation Award	1 product	KOSHA President Award	₩1.5 million
Outstanding Award	2 products		₩1 million each
Runner-up Award	4 products		₩500,000 each

02

Honored with the grand prize, the overload protective device for mobile crane from Shinhan Electronics is a product featured with a function capable of detecting working conditions, such as deceleration and speed control, during the operations either exceeding operating radius or on warning sections.





Results Announced from the 23rd Quality Fair on Protection Device/Protective Gear

- ▶ The safety bar from Geumgok Precision recognized with the Innovation Award for Occupational Accident Prevention is a product of which wire is not removed by shocks from falls and which has enhanced convenience and reduced workers' fatigue level because of its light weight after being made with polycarbonate materials.

03

KOSHA exhibits these excellent products at the exhibition event for the 2019 Occupational Safety and Health Week held at the Seoul KOEX between July 1st and 5th in order to propagate the superb quality of those products.

- ▶ Moreover, following completion of the event, KOSHA plans to display the products at the KOSHA Exhibition Hall for 1 year and introduce them through the promotional booklets and KOSHA's official website.

**04**

Director General Kim of OSHCI said, "The institution is determined to continue making efforts to prolong the development activities of outstanding protection device and protective gears stemming from this quality fair."

KOSHA NEWS

Protecting Worker's Life and Health



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