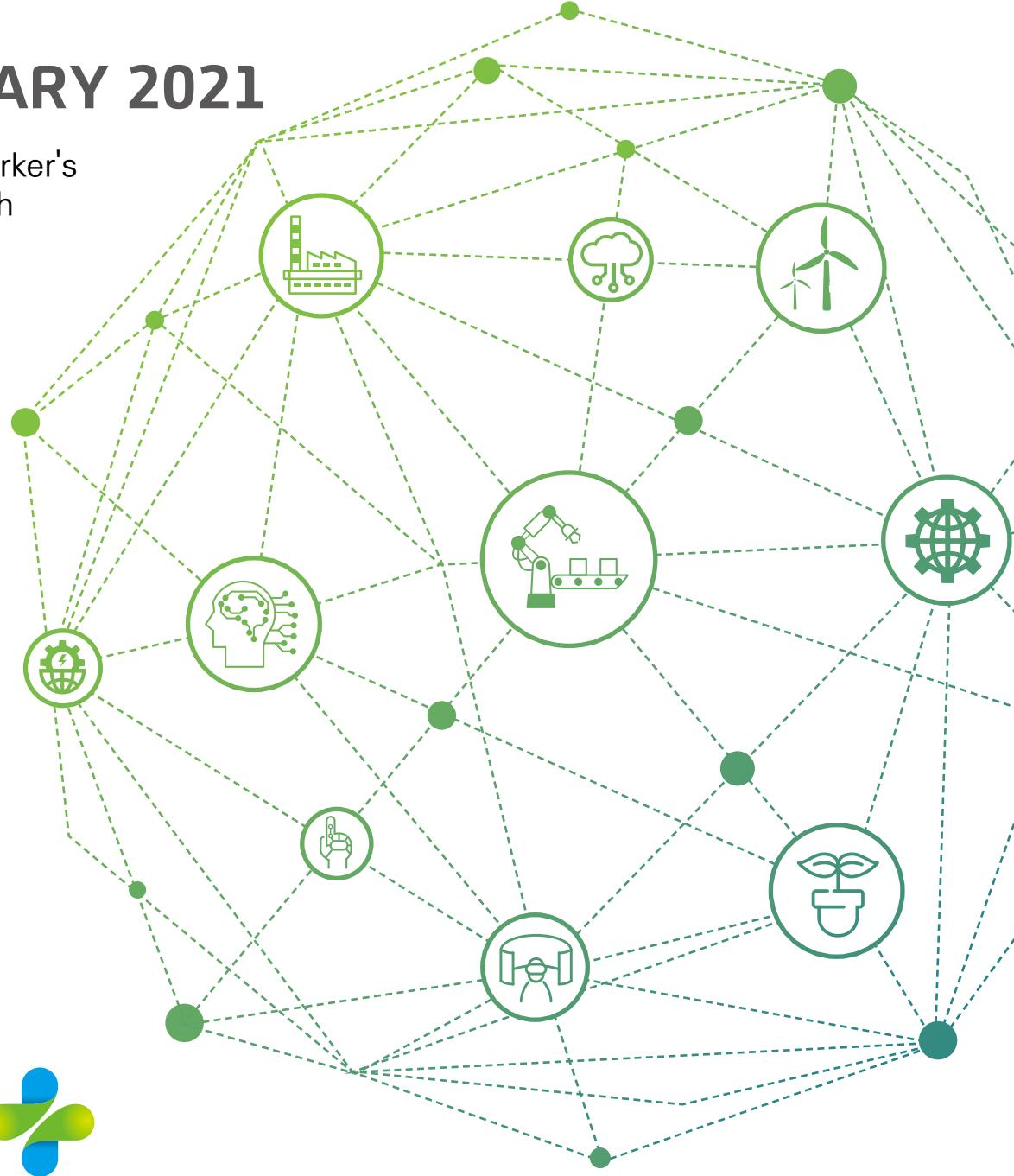


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KOSHA NEWS

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Protecting Worker's
Life and Health





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In 2021, what's new in KOSHA?

This year, KOSHA extensively reorganize its businesses in order to better the working environment for the safety and wellbeing of workers. Major Projects of KOSHA come in four⁽⁴⁾ categories :

1. Projects to Reduce Fatalities
2. Projects in accordance with Regulations and Policies
3. Financial Support and Contracted projects
4. Education and Innovation Projects

In this issue, we will introduce the major projects of KOSHA devoting efforts to reduce fatalities.

Efforts to Reduce Fatalities



Reinforcement of On-Site Patrol and Check

- Around-the-Clock Surveillance on High-Risk Work Sites

Project

On-Site Patrol and Inspection

Major changes

- + Around-the-clock surveillance system centered on fatality reduction**
 - The program retains its on-site patrol protocols for different industries and features reinforced patrol efforts particularly for high-risk work sites.
 - ※ Scaffolds, rooftops, and steel frames presenting risks of falls and 10 high-risk facilities presenting risks of caught in/between
- + + Increased continuity with financial support programs to induce improvements by providing accident-prevention equipment for different industries and materials**
 - The program accelerates the implementation of material improvements by providing 27 types of accident-prevention equipment for core risk factors.
- + + + Reinforced system of communication, on-site check, and inspection with ready on-site response capability**
 - The program communicates consistent policy messages and goals to all parties involved and raises awareness following on-site check and inspection.

Planned Check

- Checks and Safety Evaluations of Core Target Workplaces in High-Tech and Ppuri Industries*

Project

Planned Check (for Timely Response to Core Issues)

Major changes

Identification of and check on core target workplaces in each high-tech or Ppuri industry

- Workplaces to be checked are identified according to rankings based on basic data (provided by the headquarters). Checks are preferably held in the first half of the year so as to take advantage of available financial incentives.
- Checks are conducted to identify core issues regarding checks and preventable risks so as to determine risk factors and improvements in a field-centered manner.
- Post-check evaluations are to be designed to inform workplaces of available support under the Safety Investment Innovation Program, and encourage them to make necessary changes and improvements to outdated practices, etc.

Safety evaluation of workplaces under check

- Each workplace subject to check is to be scored, on a five-point scale, in terms of safety. High-tech workplaces are also to be evaluated according to a safety system evaluation model for robot-based processes and facilities.

* What is Ppuri Industry?

Basic manufacturing (processing) industry that manufactures materials into parts and produces parts into finished products, such as casting, molding, welding, and heat treatment.

Integrated Program Management for Timely Response to Core Issues of Occupational Safety

- Streamlining of Programs for Enhanced Post-Pandemic Occupational Safety

Project

Timely Response to Core Issues (Localized Programs)

Major changes

+ Similar and overlapping programs are to be merged and streamlined to enable better responses to rapidly changing, post-pandemic occupational safety conditions and better protection for workers against various emerging issues.

2020

Localized programs (6,400)

Intensive management for workers in special employment relations* and other vulnerable workers (2,000)

Development of safe techniques for tasks with high risk of fatality (all year round)



2021

Timely responses to core occupational safety issues (5,000)

* Workers in special employment relations

Economically dependent workers on special relations on a single employer for their source of income (e.g. insurance planner, golf caddy, delivery personnel, door-to-door sales persons, chauffeur service driver, engineer who install home appliances, etc.)

Expansion of Patrol Car Program Spectrum

- Strategic Operation of Additional Patrol Cars

Project

Patrol Car Program

Major changes

- + Reinforcement of ties between workplace accident-prevention technical programs following acquisition of additional patrol cars**
- 228 more patrol cars to be acquired (bringing the total to 287 cars)
 - Number of programs using patrol cars to be increased from 3 to 16
 - Core fatality-reducing programs (e.g., On-Site Patrol and Check, Major Accident Investigations, etc.) to have prioritized access to patrol cars

Target activity	Use of patrol cars
Clean workplace support	Partial use*
Risk assessment, consulting and certification	
Patrol and on-site check	
Timely response to core issues of occupational safety	
Safety reinforcement by local governments	
Technical instruction for preventing fires and explosions at small and medium workplaces	
Technical instruction for safety and health partnerships	
Harm and Hazard Prevention Plan review and research on actual condition	
Process Safety Report review	Full use
Chemical accident warning system	
Safety and soundness of chemical facilities	
Intensive control of the 10 most hazardous substances	
Timely response to core issues of occupational health	
On-site support for suffocation prevention	
Safety inspection of hazardous machinery, tools, and facilities	
Major accident investigations	

* For Clean Workplace Support Projects that reduce the risks of falls and related fatalities and provide post-accident technical instruction and for consulting projects of the Risk Evaluation Program.

Reinforcement of On-Site Support for Suffocation Prevention

- Proactive One-Call Service for Suffocation Prevention

Project

On-Site Support for Suffocation Prevention

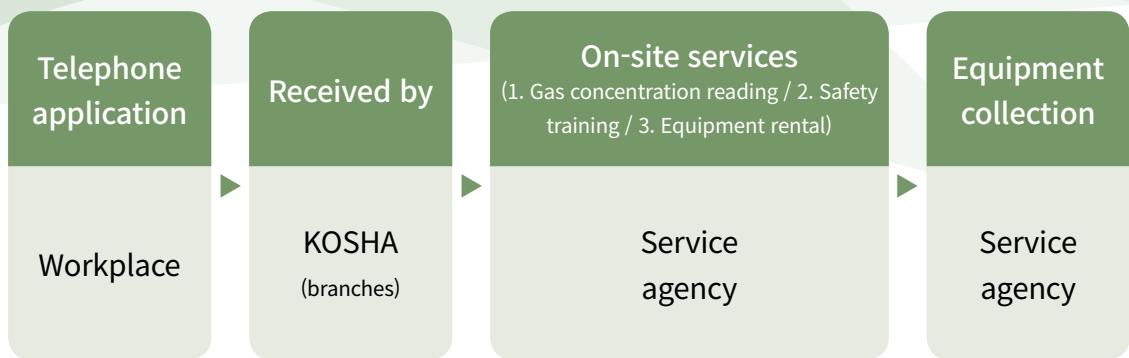
Major changes

Focus on high-risk and vulnerable workplaces

- KOSHA visit workplaces with high risk of suffocation, including those with airtight work spaces and periodically experiencing increases in suffocation risk from season to season, to check the safety measures in place.
 - **(High-risk workplace)** Workplaces of actual condition investigation (2018 to 2020) and technical instruction (2019 to 2020) rated to have high risk of suffocation are given unannounced visits by KOSHA staff; and those found to have made little effort to reduce risk are reported to local authorities for monitoring.
 - **(High-risk seasons)** Winter (December to February) for construction sites where thermal curing of materials is done, summer (June to August) for waterworks, sewage treatment, and other workplaces involving tasks in airtight spaces (e.g., sewage treatment plants).
- ※ Special check plans instructed by the headquarters for controversial accidents involving two or more casualties caused by suffocation.

One-Call Service for proactive prevention of suffocation

- Financial support: 248 USD* per service (53 USD extra for each service provided on the weekends and public holidays, at night, and for emergency).
* The amount used in this issue are converted to approximate amount in USD for the convenience of readers.
- Service agencies are recruited and contracted by metropolitan and regional headquarters.
- Application process: Service applicants are to call the working-level branches (Tel. 1644-8595), which then files service requests with the agency.



- Services provided on site: (1) oxygen and hazardous gas reading; (2) equipment rental (gas concentration meters, ventilator fans, air-supplied respirators, etc.) and training on use of equipment; (3) safety training for working in airtight spaces; (4) service report writing; (5) provision of technical information, etc.

Safety Reinforcement for Local Governments

- Promotion of Systematic Collaboration among Local Governments, MOEL, and KOSHA

Project

Safety Reinforcement for Local Governments

Major changes

- + Contribution to reducing fatalities during construction and other projects contracted by local governments by promoting systematic collaboration among local governments, the Ministry of Employment and Labor (MOEL), and KOSHA.

- Working-level departments are to help with assembling the project organization, operating the council, and providing safety patrols and training for new projects, while KOSHA is to provide information on work-related accidents.

※ Detailed project instructions are to be developed and distributed after the content of each project is confirmed based on consultation among the local government, the MOEL, and KOSHA.

Safety and Health Guards for High-Risk Industries

(Construction)

- Change of Subjects of Prioritized Patrol and Reinforcement of Oversight over Technical Instruction Contracts

Project

Safety and Health Guards Program for the Construction Industry

Major changes

+ Subjects of patrols: Patrols on structures without scaffolds to be reduced, and exemption of construction sites with system scaffolds installed from repeated patrols to be ended.

- **(As is)** Patrol was possible, for up to 30 percent of the construction site, at sites without scaffolds installed. Sites with system scaffolds installed were also exempt from repeated patrols.
- **(To be)** Sites with scaffolds installed are prioritized subjects of patrols. Sites with system scaffolds installed can also be subjected to repeated patrols.

※ Almost all construction sites feature scaffolds, including horse and prefabricated scaffolds. It is therefore of little use to decide which construction sites are to be patrolled on the basis of whether they have scaffolds installed.

+ Management of technical instruction contracts: Safety and Health Guards to be contracted to provide technical instruction on patrolled sites, and the process for confirming whether the contractual terms on technical instruction have been entered into K2B* to be clarified.

- Originally, KOSHA officials in charge of managing Safety and Health Guards had to confirm that the guards were also contracted to provide technical instruction.

- Today, KOSHA officials must verify whether the guards have been contracted to provide technical instruction, and, upon discovering the absence of such contractual terms, are to request that local labor authorities take administrative action.

※ Technical instruction contracts with disaster prevention agencies are to be reinforced by revising the guideline on project implementation in line with the points raised by the Board of Audit and Inspection (BAI) auditors and the National Assembly in relation to the post-patrol management of Safety and Health Guards.

* What is K2B?

As an acronym of 'KOSHA to Business' this KOSHA's networking program assists entrusted agencies for better efficiency to work and communicate with KOSHA

⊕⊕⊕ Financial incentives to be provided for verifying installed system scaffolds.

- Patrol by Safety and Health Guards is also to be accompanied by verification of system scaffolds installed on construction sites (with pictures taken thereof) to inform the officials in charge of financial incentives.

※ The workload of KOSHA employees is to be reduced by expanding the Safety and Health Guard Program to include financial incentives as well.

⊕⊕⊕ Managing tasks with risks of large-scale accidents: Oversight over K2B system entries regarding high-risk tasks by Safety and Health Guards to be reinforced.

- Safety and Health Guards are to be continuously encouraged to enter data on types of large-scale accidents, types of tasks involved, and planned periods of high-risk tasks into the K2B system and to monitor these entries at least once a month.

Strengthening Soundness of Safety Management at Chemical Facilities

- Expansion of Target Workplaces

Project

Soundness of Safety Management at Chemical Facilities

Major changes

⊕ Workplaces using chemical substances,* including those manufacturing chemicals and those with processes identical or similar to those of other accident-affected workplaces, are now to be assessed in terms of chemical risks.

- The workplaces to be assessed can be identified using the list of businesses receiving technical support from the headquarters and/or by each center in light of the characteristics of workplace accidents affecting the given region.

* The list of businesses provided by the headquarters should be used to prioritize workplaces involved in chemical manufacturing, coke/coal/gas manufacturing, and pharmaceutical manufacturing and that have been in operation for two decades or longer (and are henceforth expected to have outdated facilities).

Improvement of Investigations of Major Accidents*

- Introduction of the Regional Accident Investigation Centers (RAICs)

Project

Investigations of Major Accidents

Major changes

+ New division of labor for accident investigations following introduction of RAICs

- Working-level branches: First response to accidents and on-site reporting, organization of investigations into major accidents in respective jurisdictions,* participation in RAIC-organized investigations

* Investigation (by working-level departments in regional/local organizations and headquarters) of accidents with undisputed causes (fall- and transport-related).

- RAICs: Investigation of major accidents in metropolitan area*

* Accidents outside purview of working-level departments, such as those involving fires/explosions, structural collapse, entrapment in machinery/equipment, etc.

- Shipbuilding Accident Prevention Center: investigates accidents on shipyards

- Chemical Accident Prevention Center: investigates major industrial accidents involving chemicals

+ Addition of subjects of investigation

- Accidents at the center of social controversies, causing certain types of injuries, or even causing no injuries but nonetheless subject to the MOEL's request for investigation* have been added as new subjects of investigation.

* The heads of RAICs or the Central Accident Investigation Group decide which of these no-injury accidents are to be investigated.

* Major accidents

Accidents involving at least two deaths or three casualties (including one death) each

New Subjects of Thorough Investigation of Accidents

- New Subjects of Thorough Investigation and Newly Coordinated Tasks of Different Organizations

Project

Thorough Investigation of Major and Other Accidents

Major changes

Expanded scope of subjects

- Not only major accidents or accidents with high social profiles but also accidents with serious injuries and damage are now subject to thorough investigation.

Newly coordinated tasks of different body

- Accident Investigation Board: Major accidents and accidents with high social profiles*

* Accidents at the center of media and social attention, such as: power plant/steel mill accidents, accidents involving public-sector clients, fires/explosions, accidents involving vulnerable groups (interns and apprentices, etc.)

- RAICs: Major accidents with extreme outcomes*

* Accidents involving fires/explosions, structural collapses, hazardous machinery/equipment, etc.

Feedback review

- KOSHA reviews ways of sharing feedback on the results of thorough investigations with the MOEL on a quarterly basis.

* Other meetings can also be convened at any time for urgent improvements needed.

Research service

- KOSHA has commissioned research on details of likely changes to KOSHA's authority over special accident investigations, subjects of special accident investigations, and possible regulatory effects following the enactment of a new provision (Article 56-2 on special accident investigations) to be added to the Occupational Safety and Health Act.*

* Motioned by National Assemblywoman Han Jeong-ae (Dem.), with planned legislation announced on November 4, 2020.

Investigation of Repeated Accidents

- Initiation of New Investigation for Preventing the Recurrence or Similar Accidents

Project

Investigation of Repeated Accidents

Major changes

Newly initiated investigation (Accident Investigation Board and RAICs)

- The Initiation of new investigation investigation involves in-depth analyses, using new technologies and methods, of the causes of similar or repeated accidents with the aim of identifying immediate causes, contributing factors, and measures for preventing recurrence.

Feedback review

- Results of investigations are shared, along with feedback, through quarterly meetings.





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