

# KOSHA NEWS

Protecting Worker's  
Life and Health

Aug. 2015

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# Systemized prevention of OSH at construction site

Daewoo E&C certified Occupational Safety & Health Management System(OSHMS) for construction industry, established OSH system at 150 sites and their suppliers

Daewoo E&C achieved certificates and plaque with establishment of its OSHMS for construction industry from President LEE, young-soon of Korea Occupational Safety and Health Agency (KOSHA) on 24th July at headquarters of the company, located in Seoul metropolitan city.

## Certification ceremony agenda

- **Date :**  
24th July 2015(Fri), 11:00 ~ 12:00
- **Venue :**  
Daewoo E&C, Saemunan-ro 3-gil, Jongno-gu, Seoul, Korea
- **Attendees :**  
President of KOSHA LEE, young-soon,  
President of Daewoo E&C Youngsik Park

KOSHA-18001 for construction industry - advanced safety management

method, certified by KOSHA and issued to corporate which established its systematic OSHMS. To install advanced OSHMS in the company, it applied for the KOSHA certification in Feb. 2014 and completed the system after two years and four months.

Upon the first application, Daewoo E&C set up OSH activity system participated by the headquarters including 150 construction sites and suppliers, and KOSHA provided audits and consulting for Daewoo. For this system, more than 30,000 employees from headquarters (6,000) and suppliers (25,000) have joined.

Daewoo opened OSH executive department under CEO for efficient system, set forth of OSH management policy and comprehensive OSH activity line embracing decision-making divisions and sites.



# Systemized prevention of OSH at construction site

Daewoo E&C certified Occupational Safety & Health Management System(OSHMS) for construction industry, established OSH system at 150 sites and their suppliers

## The established systems are as follows:

- Manage OSH compliance of site supervisor and manager
- Analysis and improvement of accident type and cause with high risk
- Provide advantages to OSHMS acquired suppliers Youngsik Park
- Operate 「Safety Cornerstone」; safety training program for newly recruited employees
- Development of mobile application 「One touch HSE-Q」

Above OSHMS related activities enabled OSH management for work-sites and suppliers.

Meanwhile, in total 128 companies including Daewoo E&C, 16 order holding organization, 27 general construction companies and 85 professional construction companies have been certified so far. The president LEE, youngsoon said at the ceremony that "recently OSH is being essential part of companies' competitiveness," and "KOSHA will do our best to expand advanced OSHMS to more workplaces." 



# KOSHA started 「Media delivery service」

\* KOSHA (Korea Occupational Safety and Health Agency)

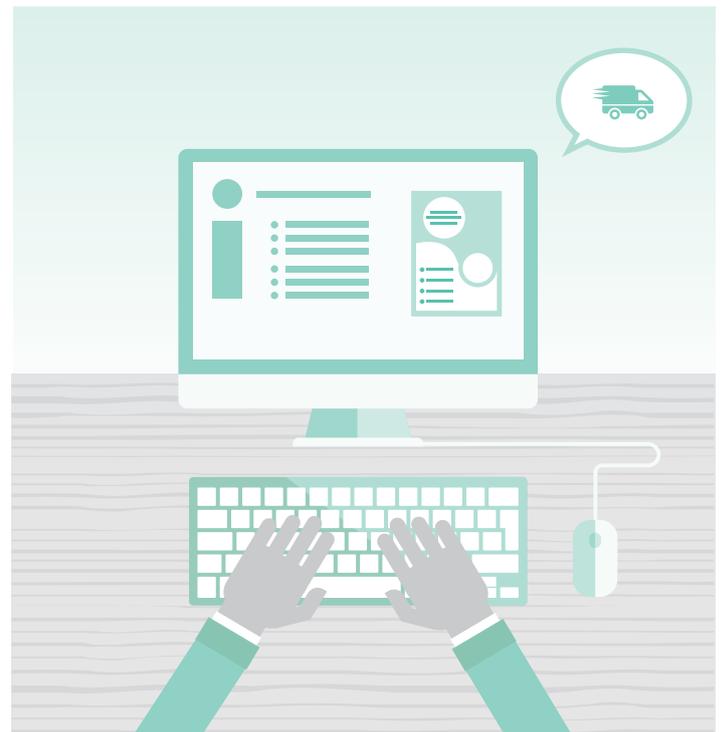
Korea Occupational Safety and Health Agency (KOSHA), President LEE, young-soon, has started 'Media delivery service' which enables provides OSH media required by workplaces via online application within three days. This service enables the applicants easily receive posters/stickers for accident prevention.

This user-oriented service is tailored to focus on users' convenience and accurate/quick delivery. KOSHA's headquarters manage practical data in on-line system and provide the requested material/data in timely manner to workplaces.

Any workplace in need of accident prevention poster or warning sign can access [KOSHA webpage: http://kosha.or.kr](http://kosha.or.kr) (Korean) or <http://english.kosha.or.kr/english/main.do> (English) and use 'Media delivery service' like buying stuffs via on-line shopping.

Among 70 types of posters and 30 types of OSH sticker, select necessary items and fill up simple application form. Upon completion of order, delivery tracking service is provided as well.

The president LEE, young-soon said "providing OSH data/material is as important as making them in fine quality." and "under the banner of government 3.0, KOSHA will continuously improve related services to share/expand OSH information in broader scope." 



# Silent Killer : Confined Space Suffocation

Series of suffocation accidents, half of them died  
Keep the 『3-3-3』Safety Rule to avoid the accident!

As series of suffocation accidents which have claimed workers' lives at workplace alerts to pay more attention to them.

Three semi-conductor facility maintenance workers died due to nitrogen gas intake in Icheon-si, Gyeonggi-do in April, and in January, three maintenance workers' lives have been claimed at their worksite where did not properly block inflow of nitrogen gas.

Also nitrogen gas leakage due to valve damage at construction worksite took another three workers' lives at Ulju-gun, Ulsan in December 2014. Confined space suffocation accident has high fatality so 87 people among total 174 accident victims, nearly half of them died in recent five years.

When it comes to reason of the fatality: normal atmosphere contains 21 per cent of oxygen but if it goes below 18 per cent, a person feel dizziness and at below 6 per cent, fall into unconsciousness and dies within five minutes.

Major causes of the recent accidents happened at confined space were found as the victimized workers were not properly informed of danger of suffocation in the confined space may have hazardous gas, non-shared information of danger between principle and contractor, or non-compliance of safety protocol and rules.

The Ministry of Employment and Labor and Korea Occupational Safety & Health Agency (KOSHA) have recognized high potential of fatal accident and suggested the 『3-3-3』Safety Rule to prevent suffocation accident at confined space.

### The 『3-3-3』 Safety Rule is:

- Principle, contractor or the third party share information regarding hazard and danger;
- Keep three proactive measures as ensure confined space within the facility, display entrance permit and allow confined space work only it has proper safety rules; and
- Keep three safety rules as measure oxygen concentration, ventilation and wearing personal protective equipment during working at confined space.

Meanwhile KOSHA's headquarters and its local offices provide free oxygen concentration measurements, air respirator and mobile ventilation fan rental services, and when small-sized companies with less than 50 employees buy safety equipment for confined space work, KOSHA assists 50 per cent of

# Silent Killer : Confined Space Suffocation

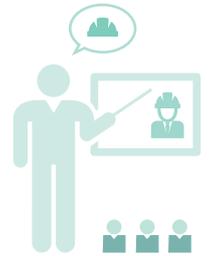
Series of suffocation accidents, half of them died  
Keep the 『3-3-3』 Safety Rule to avoid the accident!

financial support under 20 million won cap. On top of those, KOSHA provides technical supports to the selected 2500 workplaces throughout the nation where have high potential of suffocation accident and trainings to municipal officials in charge of permit of construction site workers and septic tank for confined space.

One KOSHA official said that “confined space work has high potential of suffocation accident though, safety check before work does not kept well at the site”, also “I hope relevant parties share suffocation danger information in advance, keep prevention and safety rules so we can prevent suffocation accidents together.” 



# The A+A Congress 2015 (the 34th A+A Congress)



## **History :**

The congress was first held in 1954 under the theme of Safety and Medicine at Work in Germany. Since then, the congress has been developed as one of the biggest and most influential congresses playing a key role to invigorate occupational safety and health worldwide

## **Organizing agency:**

Messe-Düsseldorf (a professional convention organizer)

## **Organizer:**

\* BASI (Bundesarbeitsgemeinschaft für Sicherheit und Gesundheit bei der Arbeit e.V.)

## **Supported by:**

- \* BMAS (Bundesministerium für Arbeit und Soziales),
- \* DGUV (Deutsche Gesetzliche Unfallversicherung)

## **Date:**

October 27 (Tue)-30 (Fri), 2015

## **Contents:**

As a biennial event, it is hosted in Düsseldorf, Germany, with 63,000 participants and 1,600 enterprises from 69 countries (Korean enterprises: 40)

## **Major participants:**

safety managers, high-level decision makers, trade unions, government organizations, occupational physicians, disaster aiders

and professional disaster managers, experts in fire management, constructors, academia, press, etc.

## **Partner Country:**

The congress designates a partner country to develop a co-operation program to exchange information and knowledge of occupational health systems between the two. This year, Republic of Korea is designated as the partner country of the 2015 Congress.

## **Official Website:**

[www.aplusa-online.com](http://www.aplusa-online.com)

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ILO/ISSA International Conference is co-hosted under the theme, Challenges and solutions in a global economy

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## **BASI**

(German Federal Association for Occupational Safety and Health)

## **BMAS**

(Federal Ministry of Labor and Social Affairs)

## **DGUV**

(German Social Accident Insurance) 

# APOSHO 31 CONFERENCE & AGM

**Safety, Health & Environment  
Shared Vision, Collective Action**

4-7 April, 2016  
New Delhi, India

## Welcome Greetings



**Satish Reddy**

Chairman of APOSHO &  
Chairman of National Safety  
Council, India



National Safety Council is pleased to announce that the 31 Asia Pacific Occupational Safety and Health Organisation (APOSHO) Conference, APOSHO Committee Meetings and AGM will be held at New Delhi from 4<sup>th</sup> to 7<sup>th</sup> April, 2016. Members may recall that NSC India had organized 11<sup>th</sup> APOSHO Conference in 1995 which was attended by over 700 national and international delegates and was a great success. We would like to express our thanks to the members of the APOSHO Main Committee for giving us this opportunity once again.

To keep the focus on technological development and efforts for safety of workforce in the world, we have decided the theme of the Conference as "Safety, Health & Environment - Shared Vision, Collective Action" to enable delegates to share their vision for collective action.

As Chairman of the Council, I have great pleasure in inviting you to take full advantage of this important international event and depute a good number of delegates from your organization. I especially look forward to welcoming our foreign guests & offering them our famed Indian hospitality.

# APOSHO 31 CONFERENCE & AGM

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4-7 April, 2016  
New Delhi, India

**Welcome  
Greetings**



**Chi-Ming Law**

Secretary General of APOSHO  
Honorary President - Hong Kong  
Occupational Safety and Health  
Association

Dear APOSHO Members,

I am pleased to inform you that APOSHO 31 organized by the National Safety Council of India (NSCI) will be held from April 4-7, 2016 in New Delhi, India.

The National Safety Council of India (NSCI) being the Chairman of APOSHO 31 in 2016, has made planning and preparation well in advance and as a result of a decision made by the Board of Governors of NSCI, the theme of APOSHO 31 Conference has been chosen, which is

*“Safety, Health and Environment – Shared Vision, Collective Action”*

The theme of APOSHO 31 Conference truly reflects the spirit of APOSHO because it is always the aim and objective of every member of the APOSHO family to strive for attaining a shared vision, and by collective action, achieving an ultimate goal which will contribute to making safer and healthier working environment for the public at large in the Asian Pacific region.

Please mark your diary for this meaningful event and by showing your eagerness and commitment, I would be very pleased to see as many early bird registrations from APOSHO Members.

I look forward to receiving and seeing you all in APOSHO 31 in New Delhi, India in 2016.

Yours faithfully

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## Programme at a Glance

### APOSHO Meetings and AGM : (APOSHO Members only)

4 <sup>th</sup> April, 2016 (Monday)	7 <sup>th</sup> April, 2016 (Thursday)
<ul style="list-style-type: none"> <li>· Management Development Committee</li> <li>· Membership Committee</li> <li>· Technical Committee</li> <li>· OSH Management System Committee</li> <li>· Education and Training Committee</li> </ul>	<p><b>APOSHO</b> Annual General Meeting</p>

### APOSHO Conference : (All delegates)

5 <sup>th</sup> April, 2016 (Tuesday)	6 <sup>th</sup> April, 2016 (Wednesday)
<ul style="list-style-type: none"> <li>· Inauguration of Conference and HSE Exhibition</li> <li>· Technical Sessions</li> </ul>	<ul style="list-style-type: none"> <li>· Technical Sessions</li> <li>· Conclusion and Conference Closing</li> <li>· NSCI Safety Awards-2015 Function</li> </ul>

### Participation

The Conference will be beneficial to personnel belonging to safety, occupational health, environment, fire, construction, security, production, maintenance, technical services, etc. from different industry sectors; officials from government departments & regulatory agencies, trade unions, institutions and professional bodies.

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## HSE Exhibition

During the Conference, an exhibition displaying of personal protective equipment, safety products and related services by reputed manufacturers, service providers and publication will be held.

**Venue : Exhibition Ground, Vigyan Bhawan, New Delhi (5 & 6 April, 2016).**

Stall Size : 100 sq.ft. (approx.) - Modular Stall built with pre-fabricated panels on 3 sides and shall be self supporting with 1 table, 2 chairs, 15 amp socket, fascia plate with company name written in vinyl cut out letter, 3 sided white panels, 1 waste paper basket.

## Call for Papers

We invite experts from industries, research institutions connected with field of Safety, Health and Environment, enforcement agencies, professional bodies and trade unions, government officials and other stakeholders for presenting their papers on the following topics sharing experience, research, statistics which can be presented during the technical sessions in the Conference.

## Topics

- Global Perspective on Policies, Programmes and Legislations related to SHE
- Occupational Safety & Health Management System (OSHMS)
- Improving Safety Culture
- Leadership for Safety
- Competence Development and Capacity Building
- Corporate Social Responsibility and Safety
- SHE Tools and Techniques
- Construction Safety: Issues and Concerns
- Safety and Health in Mining Industry
- Port and Dock Safety
- Fire Safety
- Occupational Wellness
- Industrial Hygiene and Workplace Monitoring
- Environmental Issues & Challenges
- Safety in Surface Transportation
- Risk Assessment and Management
- Disaster Management
- Process Safety Management : Approaches and Advancements
- Safety in High Rise Buildings
- Developments in Personnel Protection and Safe Guards
- Safety and Health in Supply Chain
- Hazard Prediction

» The abstract is to be submitted online only at [www.apo-sho-31.org](http://www.apo-sho-31.org) with name of the author / presenter, title of the paper and its scope, organization, address, contact number, E-mail address, etc.

» A confirmation e-mail will be sent to accepted abstract.