

# Answers to Your Occupational Safety and Health Questions Just a Click Away

## Offering a “Smart Search Service” that applies AI and bigdata to facilitate your search for legal information.

- On the 27<sup>th</sup> (Monday), the Korea Occupational Safety and Health Agency (KOSHA, President Ahn Jong-ju), which operates under the Ministry of Employment and Labor, unveiled the Occupational Safety and Health Legal Smart Search System, which allows anyone to find legal information related to the prevention of industrial accidents.

- Previously, people had to go to the KOSHA website or the Korea Law Information Center to seek out legal content piecemeal. This situation prompted KOSHA to develop the Smart Search System in order to improve data accessibility. Now a user can input a single word into the search, and links to various legal content\* and media reports\*\* related to the search topic are identified simultaneously.

\* Including the Occupational Safety and Health Act and lower statutes; notifications, directives, and regulations issued by the Ministry of Employment and Labor; and KOSHA Guide.

\*\* Checklists, educational materials, accident case studies, posters, health & safety certification marks, and so on.

- What differentiates this particular system from conventional ones is the search function\* that applies artificial intelligence and includes the content of thesaurus and word dictionaries to encompass synonyms of the specific search phrase inputted. This allows users who are unfamiliar with legal jargon to use the system easily and conveniently. Going forward, the AI-based customization capability will be further improved to include a function upgrade that augments the “definition search” capability so that the system can pinpoint as closely as possible the contents that the user wants.

\* (E.g.) the search phrase “protection equipment” will yield materials on safety belts, dust masks and safety certification, while inputting “COVID-19” into the search will show items on infectious disease prevention.

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- At the same time, the system has been organized so that users can easily stay on top of the latest trends in industrial accident prevention, offering the “keyword of the week for industrial accident prevention” visualized as weekly popular search words.



(Photo provided by KOSHA) Screen shot of the Occupational Safety and Health Legal Smart Search System

- How to use KOSHA's Occupational Safety and Health Legal Smart Search System: Anyone may access the system free of charge and without a membership requirement by going either to the "smartsearch" menu on the KOSHA website (<https://kosha.or.kr>) or to the dedicated website (<https://smartsearch.kosha.or.kr>).
- KOSHA President Ahn Jong-ju says: "The importance of information on industrial accident prevention continues to grow as the risks to workers at industrial sites elevate and diversify. I hope that industrial owners, worksite officials, and many everyday people take an interest in and make full use of the Smart Search System in order to help prevent accidents in the workplace."