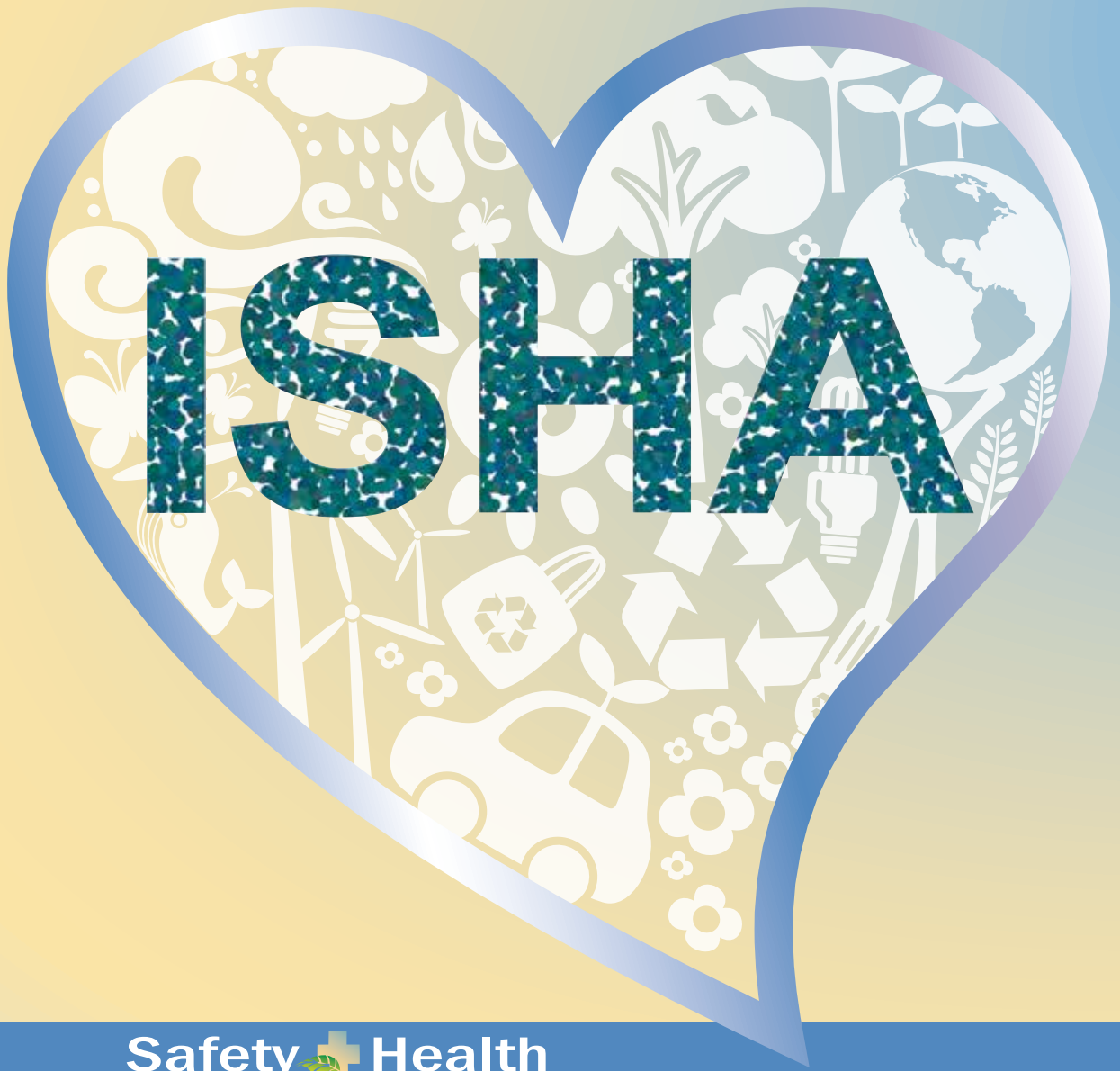


ANNUAL REPORT



Safety  Health

2024



Industrial Safety and Health Association of the R.O.C. (Taiwan)

CSR

Professional

Quality

Service

Innovation



President's Foreword

In alignment with government policies to promote occupational safety and health (OSH), improve working environments, and reduce workplace accidents, ISHA was established in 1960 as Taiwan's first non-profit OSH organization. As the oldest and largest OSH institution in Taiwan, ISHA initially focused on training OSH personnel, developing training materials, and organizing educational sessions, seminars, and workshops.

To further strengthen OSH in accordance with government initiatives and respond to SMEs' requests for guidance on OSHMS establishment, ISHA expanded its services by publishing additional OSH teaching materials and enhancing its internal IT management system. The key OSH activities provided by ISHA are as follows:

1. OSH Education and Training

ISHA offers OSH training for management personnel, machinery operators, hazardous materials managers, industry managers, laborers, first-aid personnel, and zero-accident campaigners, along with specialized courses for various industries.

2. Virtual Reality in OSH

ISHA explores the use of virtual reality (VR) applications to enhance workplace safety training. VR simulations provide an immersive 3D environment that replicates real workplaces, allowing users to visualize potential hazards and learn preventive measures in a controlled setting.

3. Authorized Inspection of Hazardous Equipment and Machinery

As one of only three organizations in Taiwan authorized by the government to inspect high-risk equipment and machinery, ISHA is responsible for conducting inspections in southern Taiwan. These inspections cover boilers, high-pressure vessels, cranes, gondolas, elevators, and other hazardous equipment.

4. Working Environment Management and Improvement Guidance

In line with government OSH policies, ISHA assists businesses in managing physical and chemical health risks by offering recommendations and guidance to improve working conditions.

5. Promotion of OSH Management

In 2007, Taiwan introduced the Taiwan Occupational Safety and Health Management System (TOSHMS) based on the ILO-OSH 2001 guidelines. Since then, ISHA has been commissioned to help industries establish and implement both TOSHMS and ISO 45001 standards to improve workplace safety.

6. Technical Services in OSH

Commissioned by the government, ISHA provided selected SMEs with improved and customized OSH measures, voluntary management and improvement guidance on OSH issues;

guidance on energy saving and carbon reduction programs to some businesses; improvement guidance on ergonomic factors and to physical laborers on health promotion and fitness; technical guidance to petrochemical industry. ISHA also helped government promote workplace health programs in Taiwan.

7. International Cooperation

As a full member of the Asia Pacific Occupational Safety and Health Organization (APOSHO), ISHA actively participates in annual meetings and seeks opportunities for international collaboration. The association maintains strong partnerships with OSH organizations in Japan, Korea, the U.S., China, Hong Kong, and Macau.

8. OSH Promotional Publication

ISHA publishes a monthly Industrial Safety and Health Journal, produces educational materials on OSH regulations and best practices, and continuously updates its website to provide the latest safety information.

Taiwan's occupational accident fatality rate has steadily declined, dropping from 2.496 per thousand workers in 2019 to 2.222 in 2023, thanks to the efforts of government agencies, academia, labor organizations, and employers. However, rapid economic growth has heightened concerns over OSH risks. To address these, labor bureaus and OSH organizations are focusing on strengthening OSH management systems, improving SME safety, enhancing chemical hazard prevention, and mitigating health risks from emerging technologies. The Occupational Safety and Health Act introduces stricter machinery and chemical management, better occupational disease prevention, stronger workplace inspections, and increased protections for female workers. ISHA remains dedicated to advancing OSH in Taiwan.



Tang Da-Toung

Tang Da-Toung
President of ISHA
March 2025

ISHA 2024 Annual Report

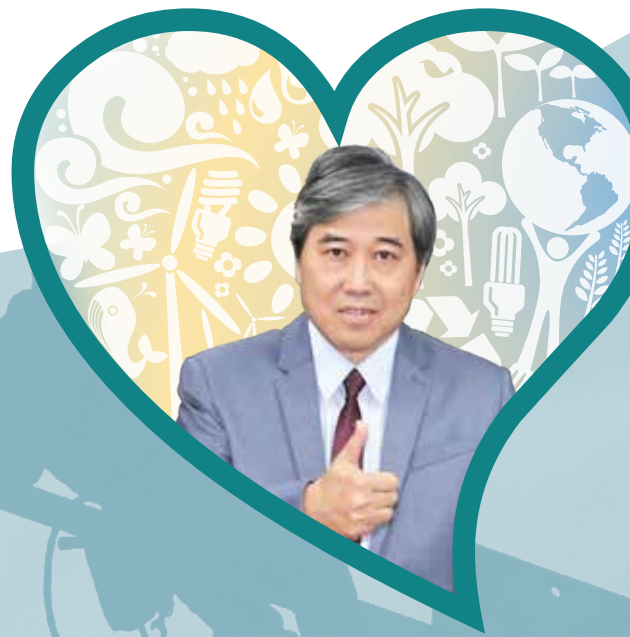
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Part

1

Introduction to ISHA



The Industrial Safety and Health Association (ISHA) of the R.O.C. (Taiwan) was established in 1960 to dedicate to promotion of the industrial safety and health activities. Collaborating with the Ministry of Labor of the Executive Yuan, ISHA has become one of the leading OSH advocacies in Taiwan by conducting various safety and health activities, providing numerous educational training sessions, offering assorted technical services, and auditing authorized inspections, etc.

Mission

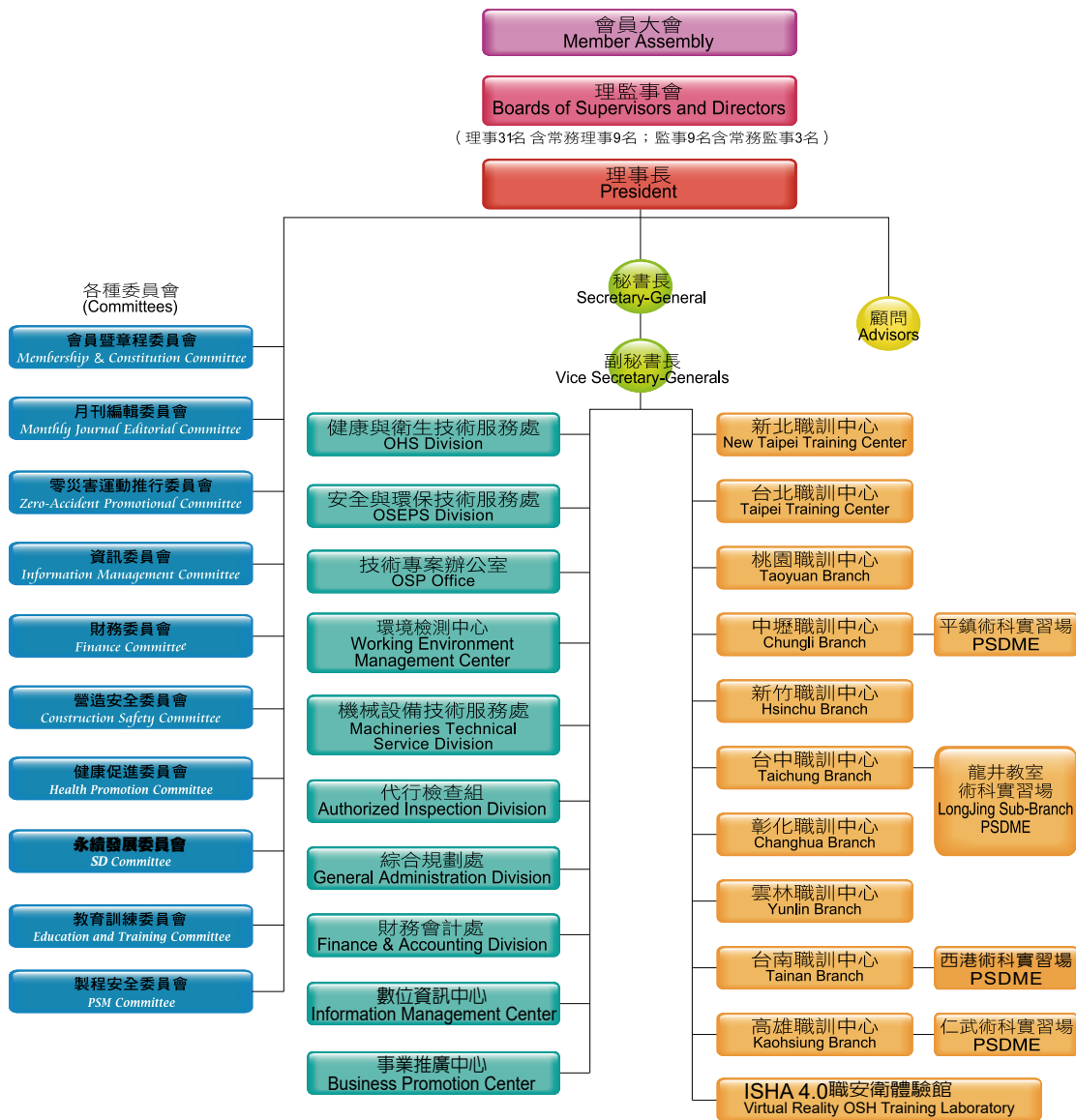
The mission of ISHA is to devote to research on industrial safety and health issues, to prevent industrial accidents, to comply with government policies, and to provide assistance to business entities to improve occupational safety and health.

Core Values

Our core values are Social Responsibility, Professional, Quality, Service and Innovation.

To accomplish these core values, the ISHA works in partnership with government, employers, employees, professionals and academics through a wide range of quality services.

Organization of ISHA

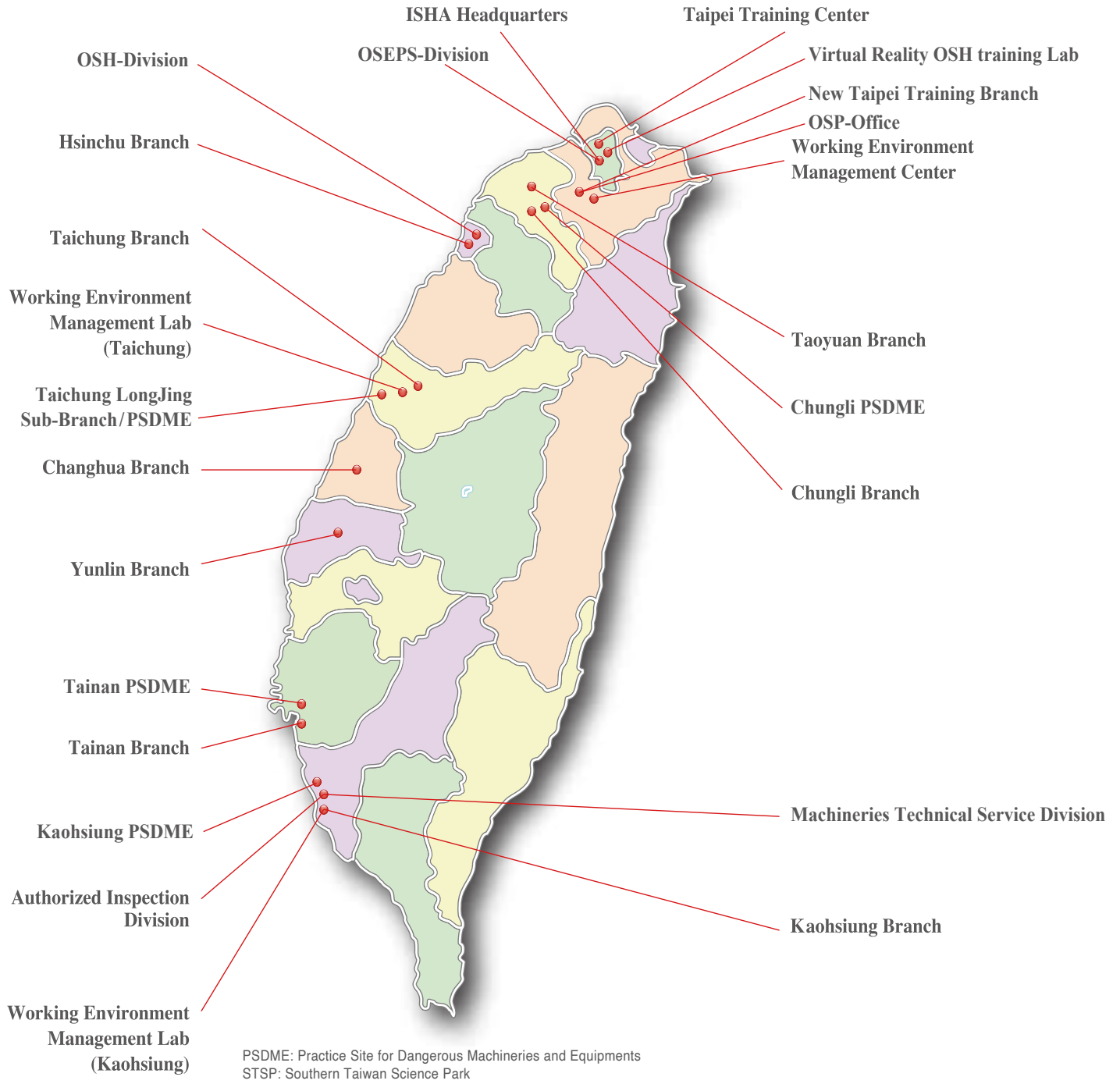


SD: Sustainable Development
PSM: Process Safety Management

OHS: Occupational Health Service
OSEPS: Occupational Safety and Environment Protection Service
OSP: Occupational Safety Project

PSDME: Practice Site for Dangerous Machineries and Equipments
STSP: Southern Taiwan Science Park

Locations of ISHA offices



PSDME: Practice Site for Dangerous Machineries and Equipments
 STSP: Southern Taiwan Science Park

OHS: Occupational Health Service
 OSEPS: Occupational Safety and Environment Protection Service
 OSP: Occupational Safety Project

Part



Review of Activities in 2024



Aiming for the goals of zero accident, improvements of working environments, health promotion and prevention of occupational injuries and diseases, ISHA continued to conduct these following activities in 2024:

1. General Activities

- The 18th 1st Annual General Assembly Meeting for members was held on June 22, 2024.
- As of the end of 2024, there were 160 corporate members and 665 individual members enrolled with ISHA.
- Three times of board meetings of supervisors and directors and three times of board meetings of supervisor generals and director generals were held in 2024.
- The ISHA monthly journal, Industrial Safety and Health, was published as scheduled in a timely manner. A total of 426 issues have been published up to the end of 2024. The Monthly has been added to the Airiti Online Library and eBooks, enhancing avenues for research in occupational safety and health.
- ISHA was keeping the record of injury-free working hours for businesses who enrolled with the “extensive zero accident campaign” in the year of 2018. From its inception on May 1, 2006 to the end of 2024, a total of 1,632 businesses participated in this campaign.
- Finance Committee, Membership & Constitution

Committee, Zero -Accident Promotional Committee and Property Management Committee, Construction Safety Committee, Wellness Promotional Committee, Safety Signs Promotional Committee, Innovational and Development Committee, etc. held committee meetings respectively in 2024.

- ISHA Executive Director Shu Chi-Min awarded the Individual Contribution Award at the 2024 National Occupational Safety and Health Awards.

2. Technical Services

The Technical Services Division provides OSH services on assessment, survey, design, improvement planning, systematic management procedures, and instructions to various industries throughout Taiwan. The Division also edited and compiled textbooks, pamphlets, guidelines, manuals, handbooks, videos and other OSH-related teaching materials for OSH professionals and businesses. In addition to these routine activities, the Division accomplished the following projects in 2024, commissioned by:



“Highlights of the Opening Ceremony speeches by the Chairman and distinguished guests at the ISHA’s 18th 1st General Assembly of Members.”

The Technical Services Division provides OSH services on assessment, survey, design, improvement planning, systematic management procedures, and instructions to various industries throughout Taiwan.

The Division also edited and compiled textbooks, pamphlets, guidelines, manuals, handbooks, videos and other OSH-related teaching materials for OSH professionals and businesses. In addition to these routine activities, the Division accomplished the following projects in 2024, commissioned by:

◆ **Industrial Development Administration (IDA), Ministry of Economic Affairs, on:**

1. the "Smart Industrial Safety Guidance Program," achieved: Cloud management implementation for 172 companies, Guidance provided to 106 companies, 8 joint supervision sessions for large petrochemical companies, 29 briefing and training sessions and 1 set of guidelines
2. the "Smart Petrochemical Sustainable Development Program," achieved 35 meetings, 70 on-site visits and diagnostic guidance sessions, 7 events, 2 technical guidelines and 3 reports.
3. the "Smart Industrial Safety Guidance Program," achieved 5 meetings 8 joint supervision sessions for large petrochemical companies, 8 on-site guidance sessions for 2 factories, 1 technical guideline, 10 reports and 2 events.

◆ **Occupational Safety and Health Administration (OSHA), Ministry of Labor, on:**

1. the "2024 Industrial Intelligence-Based Intrinsic Safety Enhancement Program," achieved Safety care initiatives (2 industry care briefing meetings, 2 expert meetings, 52 training sessions, 110 on-site diagnostics and technical guidance sessions, 22 smart preventive management guidance sessions and 1 occupational safety and health facility demonstration booth) and Intrinsic safety promotion (2 expert meetings, 1 session each for basic and advanced mechanical equipment risk assessment training, 4 industry self-regulation safety standard promotion forums, 2 industry equipment validation cases, 8 mechanical equipment risk assessment technical introduction sessions and 1 draft of mechanical equipment safety standards).
2. the "Mechanical Cutting and Pinch Hazard Prevention Guidance Program," achieved 2 expert meetings, 4 guidance briefing sessions, Guidance provided to 536 businesses, 10 training sessions, 1 disaster risk reduction analysis report and Distribution of 20,000 posters.
3. the "Workplace Safety and Health Improvement Subsidy Program for Specific Manufacturing



The VIP group photo at the opening ceremony of the 2024 ISHA's Assembly.

- Processes," achieved 47 on-site visits, Workplace improvement guidance for 40 businesses, In-depth ventilation improvement guidance for 2 businesses, Respiratory protection fit testing guidance for 2 businesses, Exposure assessment and classification management recommendations for 25 businesses, Collaboration with 4 industry associations to promote safety and health initiatives, 1 kickoff event, 4 promotional briefings, 3 training sessions, 2 exchange and observation meetings, 8 industry safety and health committee meetings, 1 platform meeting, 3 subsidy review meetings, Production of 1 set of promotional materials, posters, and infographics, 2 examples of subsidy application guidelines, 1 website update for the program and 1 set of recommendations for subsidy system testing and program revisions.
4. the "2024-2025 Green Energy Industry Occupational Safety Promotion Program," achieved Offshore Wind Energy (2 pre-inspection meetings and 2 offshore wind energy supervisory inspections, 1 overseas study visit to Denmark with a report, 6 inspectors trained in Global Wind Organization (GWO) certification and 1 offshore wind energy coordination meeting); Solar Energy: 1 expert meeting, 1 guidance briefing session, 1 demonstration site visit and 61 on-site project guidance sessions; General HSE (Health, Safety, and Environment) Initiatives: 3 remote HSE video conferences, 3 online HSE training sessions and 1 high-risk industry seminar.
 5. the "Occupational Safety and Health Management System Performance Review and Certification Program," achieved 33 enterprise performance reviews, 7 performance certification evaluations, 8 Five-Star Award evaluations, 1 practical training session for inspectors, 1 lead auditor certification course Assisted in establishing the OSHMS (Occupational Safety and Health Management System) registration and reporting system And Pilot operation of the system, reviewing 202 businesses to enhance compliance and overall OSH performance.
 6. the "Occupational Hygiene Knowledge Integration and Hazard Exposure Assessment & Management Enhancement Program," achieved Expansion of the occupational hygiene expert database and related professional resources, 44 technical service sessions for inspectors, with a coverage rate of 70.9%, 30 guidance sessions for 15 businesses, Industry-wide exposure survey for 25 businesses (250 crystalline silica exposure samples), 3 asbestos material removal hazard prevention seminars for asbestos removal contractors and 3 confined space hazard prevention and contract project supervision seminars.
 7. the "Labor Health Service Efficiency Improvement Program," achieved 30 expert-supervised labor health service inspections, providing professional support to labor inspection agencies, 30 site visits and guidance sessions to enhance enterprise labor health service efficiency, Implementation of an in-service training micro-curriculum subsidy program for occupational health nurses, with funding awarded to National Taiwan University, Chinese Culture University, Chung Shan Medical University, and Chang Jung Christian University and 5 practical workshops and 3 labor health service training or exchange events to improve execution quality and effectiveness.
- ◆ **The Northern Occupational Safety and Health Center on:**
 1. the "Small and Medium-sized Construction Project On-site Guidance Project," completed 1,300 sessions.
 - ◆ **The Central Occupational Safety and Health Center on:**
 1. the "Small and Medium-sized Construction Project On-site Guidance Plan (Central Region)," completed 1,500 sessions.
 - ◆ **The Institute of Labor and Occupational Safety and Health (ILOSH), Ministry of Labor, on:**
 1. the "Analysis of Taiwan's 2050 Net Zero Emissions and Occupational Health Issues," completed 7 expert meetings, 32 in-depth interviews, and reviewed midterm and final reports once each.
 2. the "Compilation and organization of health hazard and permissible exposure limit recommendations for two hazardous factors, benzene and nitric acid," completed the drafting of recommended value documents for the two hazardous factors.

3. the "Compilation and on-site evaluation of the Workplace Hearing Protection Program Guidelines," exploring the applicability of the fourth edition guidelines, compiling the fifth edition guidelines, and evaluating the effectiveness of the fifth edition guidelines through visits and guidance to two business units.
4. the " Analysis and Preventative Strategies Regarding Key Hazard Factors in Falls in Construction Projects" , completed five functional courses, three seminars, and the compilation of guidelines.
5. the " Research on Promoting Industrial Standards for System Scaffolds Standards" , completed four expert seminars, four functional courses, three seminars, and compiled guidelines for the systematic construction scaffold industry standards.

◆ **Health Promotion Administration (HPA), Ministry of Health and Welfare, on:**

1. the "Healthy Workplace Certification and Excellence Recognition Program," completed the revision of the self-certification promotion plan for healthy workplaces; facilitated 2,292 workplaces nationwide to pass the healthy workplace certification; organized one press conference and three informational sessions; conducted a national selection event for outstanding healthy workplaces and a recognition ceremony, attracting participation

from 191 workplaces and producing a results publication; completed the maintenance and optimization of the "Healthy Workplace Information Network."

◆ **The Ministry of Education on:**

1. the "Information Management Plan for Chemical Substances in Schools," completed 12 informational sessions, provided guidance in 6 sessions, conducted 2 specialized training classes, developed 1 digital teaching material, created 3 easy-to-understand packages, and handled 393 consultations.

◆ **The Environmental Protection Bureau of Chiayi City on:**

1. the "Renewable Energy Generation Equipment Inspection Plan," conducted 55 aerial inspections, 30 on-site sampling inspections, and producing 1 results report.

◆ **Labor Inspection Office, the New Taipei City Government on:**

1. the "Outsourced Safety and Health Education Training Project," completed 31 training sessions.
2. the "Outsourced Guidance for Occupational Safety and Health at Construction Sites," completed 300 site guidance sessions.
3. the "Procurement Project for Occupational Safety Diagnosis and Disaster Prevention Training for High-Risk Business Units," completed 190 safety

International Conference on Occupational Safety and Health in the Green Energy Industries.



diagnoses and 95 disaster prevention training sessions.

◆ **The Management Office of the Science Park Administration on:**

- 1.the "Science Park Safety and Health Guidance and Disclosure Program," achieved 6 workplace risk assessments for high-risk (Category A and C) operations,15 construction site guidance and inspection sessions,133 various guidance sessions covering workplace safety, chemical risk management, health issues, chemical classification, and hazardous area demarcation,25 graphic e-bulletins based on workplace accident cases and policy promotions1 occupational safety and health technology visit utilizing XR immersive learning to enhance hazard awareness and Introduction of new ultrasonic infrared acoustic camera technology, completing specialized guidance for noise source and pipeline leakage detection at 2 pilot factories. This technology enables precise risk quantification of process equipment, with plans to expand its application to businesses with limited resources.
- 2.the "Emergency Response and Safety Protection Capability Enhancement Program for Science Park Enterprises," achieved 4 practical fire safety training sessions, covering key aspects of fire safety law inspections, hazardous materials precautions, command-level disaster assessment and decision-making, and business operational risk management (including exhaust

pipelines), with nearly 350 participants,20 on-site guidance and follow-up improvement sessions, significantly enhancing fire emergency response procedures and capabilities, Establishment of a fire safety guidance platform to facilitate knowledge sharing and support among enterprises and 1 full-scale drill simulating a fire caused by an earthquake, including scenario planning, script development, and team training for emergency response personnel, conducted in collaboration with local fire authorities, and open for observation by other enterprises to strengthen disaster prevention awareness and training efforts.

◆ **Ministry of Economic Affairs, Bureau of Industrial Parks on:**

- 1.the "Industrial Park Factory Comprehensive Inspection Program," achieved21 meetings, 6 on-site inspections (covering 15 factories) and on-site guidance for 6 factories.
2. the "Science and Technology Industrial Park Hazard Prevention and Emergency Response Program for Complex Disasters," achieved 2 emergency response coordination meetings,2 pre-exercise rehearsals for live drills,1 live emergency response drill,2 unannounced emergency response tests,60 compliance guidance sessions (covering 30 factories),16 in-depth guidance sessions (covering 7 factories),1 occupational safety training session,13 meetings and 40 reports.

.....
 Commendation ceremony for outstanding performance in creating a healthy workplace and outstanding promoters



◆ **The Occupational Accident Prevention and Rehabilitation (COAPRE) on:**

1. the "Labor Safety and Health Guidance Program for Private Micro Temporary Construction Works," completed a total of 1,803 sessions.
2. the "Promotion and Advocacy of Domestic Machinery Equipment Maintenance and Repair Technology Program." conducted 60 training sessions.

3. Working Environment Management

Founded in 1999, the Working Environment Management Center of ISHA provided services to various factories and enterprises among its occupational health lab and three branch offices, located in Taipei, Taichung, and Kaohsiung, in 2024:

- (1) 295 factories for physical factors, 411 factories for chemical factors performed in Taipei.
- (2) 471 factories for physical factors, 569 factories for chemical factors performed in Taichung.
- (3) 422 factories for physical factors, 513 factories for chemical factors performed in Kaohsiung.
- (4) Commissioned to write and revise a total of 1,383 Operation Environment Monitoring Plans.
- (5) Commissioned by the Health and Hygiene Technical Service Department of the Association for the Integrated Enhancement of Professional Competence in Occupational Health and Specific Industry Hazard Exposure Assessment and Management Techniques for the 112-113 fiscal years, for a total of 33 Operation Environment Monitoring projects.
- (6) Commissioned by the Safety and Environmental Protection Technical Service Department of the Association for Improvement of Occupational Safety and Health Working Environment Plans for the Plastic Manufacturing Industry, for a total of 40 Operation Environment Monitoring projects.
- (7) Commissioned by Taipei City's district offices, household registration offices, and land administration offices for this year's labor operation environment monitoring project.
- (8) Commissioned by the Medical College of National Taiwan University for annual testing of 110 chemical fume hoods.
- (9) Commissioned by Texas Instruments for a wiping analysis project.



ISHA developed VR software to improve industry, government, and schools in organizing occupational safety and health outreach activities.

- (10) Commissioned by the National Agricultural Bank and Moving Sunshine Co., Ltd. for regular indoor air quality testing.
- (11) Occupational Health Laboratory extended certification and substance addition analysis obtained TAF certification .

4. Education and Training

In compliance with government policy for occupational safety and health in Taiwan, ISHA established first education and training center in 1978 to promote OSH campaign, and to held education and training programs.

The Education and Training Division of ISHA actively holds a series of seminars, campaigns, and demonstrations for OSH training. To meet the needs of trainees from all over the island, branch offices were established in Taipei, Taoyuan, Chungli, Hsinchu, Taichung, Changhua, Yunlin, Tainan and Kaohsiung throughout the years.

- (1) Training programs includes OSH trainings and training for specific projects, etc. Training courses for Operators in All Industries. A total of 5,496 training courses were offered by the Division to 175,013 trainees in 2024.

- (2) A total of 33 public welfare activities were organized by the branches of ISHA in 2024.
- (3) The COAPRE commissioned to conduct 60 sessions of educational training under the "2024 Promotion and Advocacy Program for Domestic Machinery Maintenance and Repair Technology."
- (4) TTQS Evaluation: Taichung Training Center was rated Silver. New Taipei Training Center, Zhongli Training Center and Changhua Training Center were rated Bronze.
- (5) Establishment of a Remote Intelligent Training Technology Management System (Smart Class System).
- (6) In 2024, the Big City Classroom of our Hsinchu Training Center obtained certification from MOL as a certified vocational training institution.
- (7) Produced a 50-minute digital instructional material on "Practical Management of Noise Hazard Prevention," which has been uploaded to the Ministry of Labor's Occupational Safety and Health Administration's e-learning platform.



ISHA assisted XR center to improve industry, government, and schools in organizing occupational safety and health outreach activities.

(8) Accreditation and Recognition:

- 10 training units have been recognized by the Occupational Safety and Health Administration of the Ministry of Labor.
- 6 training units have been recognized by the National Fire Agency of the Ministry of the Interior.
- 3 training units have been recognized by the Directorate General of Highways of the Ministry of Transportation.
- 5 sites have been approved as testing facilities for hazardous machinery and equipment skills certification by the Workforce Development Agency of the Ministry of Labor, covering 12 occupational categories in total.

5. Authorized Inspection

The Authorized Inspection Division was established in Kaohsiung in 1985 and was designated by the Ministry of the Interior as an inspection institution for boilers and pressure vessels in Southern Taiwan. In 1988, the Division was further authorized by the Council of Labor Affairs, Executive Yuan, to expand its services to include inspections of hazardous equipment in the region.

The Division's jurisdiction covers Chiayi City and County, Tainan City, Kaohsiung City, and the

counties of Pingtung, Taitung, Penghu, and Kinmen. In 2024, a total of 40,553 inspection services were conducted, including welding inspections, structural inspections, completion inspections, alteration inspections, renewal inspections, inspections of pre-existing dangerous machinery or equipment, and periodic inspections.

6. International Exchange Activities

- (1) The 38th annual meeting and conference of the Asia Pacific Occupational Safety and Health Organization (APOSHO-38) was hosted by the Safety and Health at Work Promotion Association, Thailand, from November 14 to 17, 2024, in Bangkok, Thailand. On behalf of ISHA, Mr. Shu Chi- Min , General Director and Mr. Chang Ching- Lin, Director of the Board, and Mr. Cheng Chung-Min, Manager ISHA, attended the conference.
- (2) Mr. Tang Da-Toung, President, led a delegation to participate in the annual conferences of Japan Construction Occupational Safety & Health Association (JCOSHA) in Tokyo from October 3 to 4, 2024.
- (3) Mr. Tang Da-Toung, President, led a delegation to participate in the annual conferences of High Pressure Gas Safety Institute of Japan (KHK) in Tokyo, Japan on October 25, 2024



ISHA received the Excellence Award at the 2024 Annual Meeting on Authorized Inspection of Dangerous Machinery and Equipment.



2024 Awards for Dangerous Machinery and Equipment Authorized Inspection.

Items	boilers	pressure vessels	high pressure gas equipments	high pressure gas containers	over 3 tons fixed crane	over 3 tons mobile crane	construction elevator	gondola
Sub-totals	1,600	8,773	14,474	2,448	9,530	2,957	553	178

- ISHA's 2024 Statistics on Dangerous Machinery and Equipment Inspections.

- (4) On behalf of ISHA, Mr. Tang Da-Toung, President, led a delegation to participate in the annual conferences of Japan Industrial Safety & Health Association (JISHA) in Hiroshima, Japan from Sep. 13 to 15, 2024.
- (5) The 29th Cross-Strait, Hong Kong and Macao Occupational Safety and Health Symposium was hosted by the Wuhan Safety and Environmental Protection Research Institute of China Steel Group (SEPRI) from September 26 to 28, 2024, in Harbin, Heilongjiang Province, China from Nov. 16 to 17, 2023, ISHA delegation headed by Mr. Tang Da-Toung, President.
- (6) The 2024 International Conference on Occupational Hygiene and Occupational Medicine was held from April 19 to 21, 2024, organized by the Taiwan Society of Environmental and Occupational Medicine and the Taiwan Occupational Hygiene Association. ISHA president Tang Da-Toung served as the moderator for the forum on "Interdepartmental Collaboration in Promoting Practical Labor Health Services."
- (7) The 25th Taipei International Safety & Security Technology Application Expo took place from April 24 to 26, 2024, at the Taipei Nangang Exhibition Center. The Annual Conference on

Industrial Safety and Management was held concurrently, with ISHA as a co-organizer. The conference focused on three key topics: safety in energy storage systems, explosion prevention in hazardous environments, and corporate ESG sustainable development—aiming to enhance corporate safety, resilience, and sustainability. At the "Corporate ESG Sustainable Development and Occupational Safety Implementation Forum," ISHA invited industry experts with extensive practical experience to discuss priority industrial safety issues related to ESG for Taiwanese enterprises in an accessible and insightful manner.

7. Virtual Reality (VR) Training for Safety

ISHA developed and provided Virtual Reality (VR) training software in safety include hazard recognition, emergency situations and fall protection training. such as "safety publicity experience from hazards by falling or flying objects", "Safety Publicity Experience from hazards with Aerial work platform", " Safety Publicity Experience from exposure to electrical hazards on construction sites. and " Safety Operation Experience from hazards with Punching and Shearing machinery".

- (1) In 2024, a total of 58 visits to the ISHA 4.0



38th Conference and Annual General Meeting of Asia Pacific Occupational Safety and Health Organization. ISHA'S delegation at the AG meeting.

Occupational Safety and Health Experience Center and on-site VR training were conducted, with a total of 2,982 participants. Sixteen VR training sessions were externally conducted to provide virtual reality experiences and create training environments for:

- Safe operation experience of punching and shearing machinery (manual).
- Safe operation experience of punching and shearing machinery (environmental).
- Conveyor belt safety operation experience.
- Grinding equipment safety operation experience.
- Hazard awareness in confined spaces (integrated machine installation) experience.
- Safe operation experience of punching and shearing machinery (foot pedal).
- Safety awareness experience for high-altitude operations on construction scaffolding.
- Safety awareness experience for falling objects hazards.
- Safety awareness experience for electric shock hazards.
- Basic fire extinguishing experience in office settings.
- Forklift initial station skill test.
- Interactive experience for chemical symbol recognition (interactive device).
- Office Health Exercises.

- Safety Awareness Experience for High-altitude Work on Power Maintenance Vehicles (Fall).
- Safety Awareness Experience for Track Maintenance Operations (Collision).
- Safety Awareness Experience for Track Crossing (Collision).

- (2) Collaborating with the manufacturers to develop and implement VR experiences for traffic transportation industry occupational disaster safety promotion and VR for wearing high-altitude work protective equipment.
- (3) Collaborating with Taipei Tech University to develop and evaluate the "Development and Evaluation of Virtual Reality Technology and Machine Learning for Forklift Connection Training System." The first and second stages (PC and VR versions) have been completed, while the third stage (PC and VR versions) is under continuous development for optimization. Future plans include integrating the forklift courses with various vocational training centers to provide trainees with new technology experiences and more practice time.
- (4) The association's YouTube channel "Frontline of Occupational Safety and Health" provides 3-5 minute safety and health knowledge sharing videos. To date, 100 videos have been produced, with 3,590 subscribers, 292,823 views, and 5,064 shares.



ISHA personnel (left 4,5) with the APOSHO-38 organizing staff

Part

3

Occupational Safety and Health Profile of Taiwan

The logo for ISHA (International Safety and Health Association) is presented within a heart-shaped frame. The letters 'ISHA' are rendered in a bold, blue, textured font. The background of the heart is filled with various icons representing safety and health, including a globe, a lightbulb, a recycling symbol, a hard hat, and a person. The overall color scheme is green and yellow.

ISHA



④ Taiwan's OSH Policy and Trend

The setting of Taiwan's occupational safety and health policy is based on the domestic trend of social economic development and occupational accident, international development trend, ILO conventions and guidelines as well as the practices of global advanced countries.

To ensure everyone a safe, healthy and decent work environment, the main focuses of Taiwan's OSH policies are:

With reference to International Labor Organization (ILO) conventions, including the “Promotional Framework for Occupational Safety and Health Convention” (ILO No.187) which was announced by the ILO in 2006, Taiwan has taken proactive steps to define a national OSH policy, to construct a national system of laws, regulations, and enforcement, and to implement national programs for OSH. In taking these actions, OSHA has given shape to an OSH culture based on people which emphasizes workers’ safety and health and has steadily built safer and healthier working environments. OSHA was founded on February 17, 2014 with the goal of enabling every

individual to enjoy a safe, healthy, and decent work environment as well as occupational injury and disease diagnosis, compensation, and rehabilitation services, to safeguard the health the labor force and boost national competitiveness. OSHA’s current organizational framework is as follows: The Director General is in charge of overall work, with two Deputy Directors General and one Secretary General subordinate to the Director General. There are also four functional divisions, three Occupational Safety and Health Centers, and five supporting offices, based on operational needs. The organizational chart is shown below.

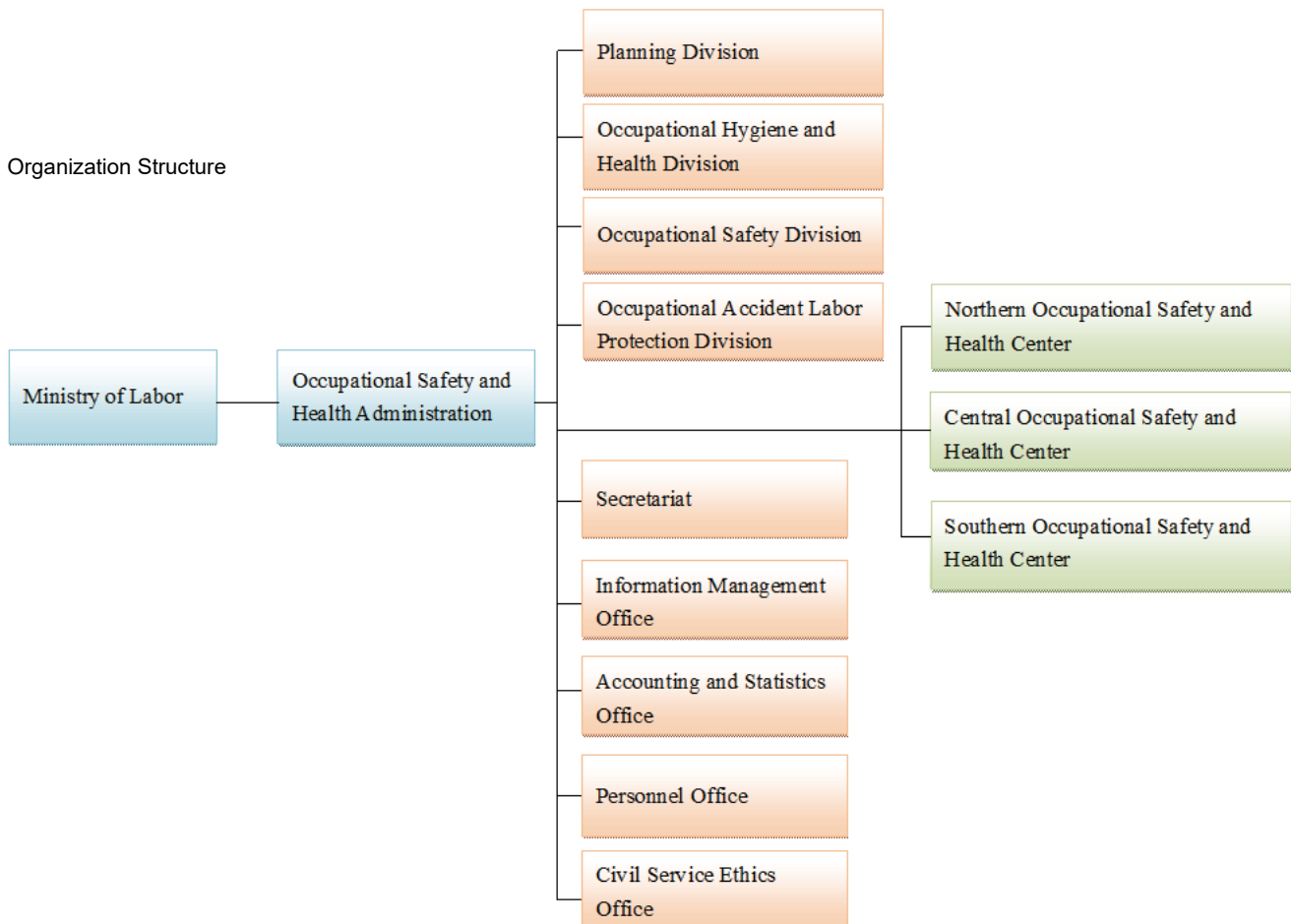


Figure 1 Organization Structure of OSHA

◆ **Taiwan’s OSH collaboration scheme**

The Taiwan’s OSH collaboration scheme of employees, employers, public agencies and relevant organizations is shown on Figure 2.

Ministry of Labor is the central competent authority of Occupational safety and health.

As a subsidiary agency of the MOL, OSHA is obligated to the formulation and execution of occupational safety and health policies. The tasks of OSHA include planning and executing occupational safety and health, occupational accidents labor protection, labor inspection and supervision, and something their related. Its visions are to provide every workers with safety, health, and decent workplaces, to improve the access to competent services of the diagnosis of occupational diseases, occupational compensation and rehabilitation, and to ensure safe and healthy workforce to enhance national competitiveness.

OSHA vertically integrates planning of the occupational health and safety policies and executions, which strengthens the function and efficiency of occupational accident prevention, speeds up the reduction of occupational accident rates, increases the occupational health and care rates, and ensures workers’ health and safety. Also, by means of further horizontal integration of “Prevention, Compensation, and Rehabilitation”, to bring into the diagnosis of occupational ailments, investigation of occupational diseases, workers’ compensation for occupational accidents and rehabilitation, to strengthen the rights and interests of the victims and to fulfill the goal of Occupational safety and health policies.

Some parts of regional labor inspection are empowered to special agencies of some

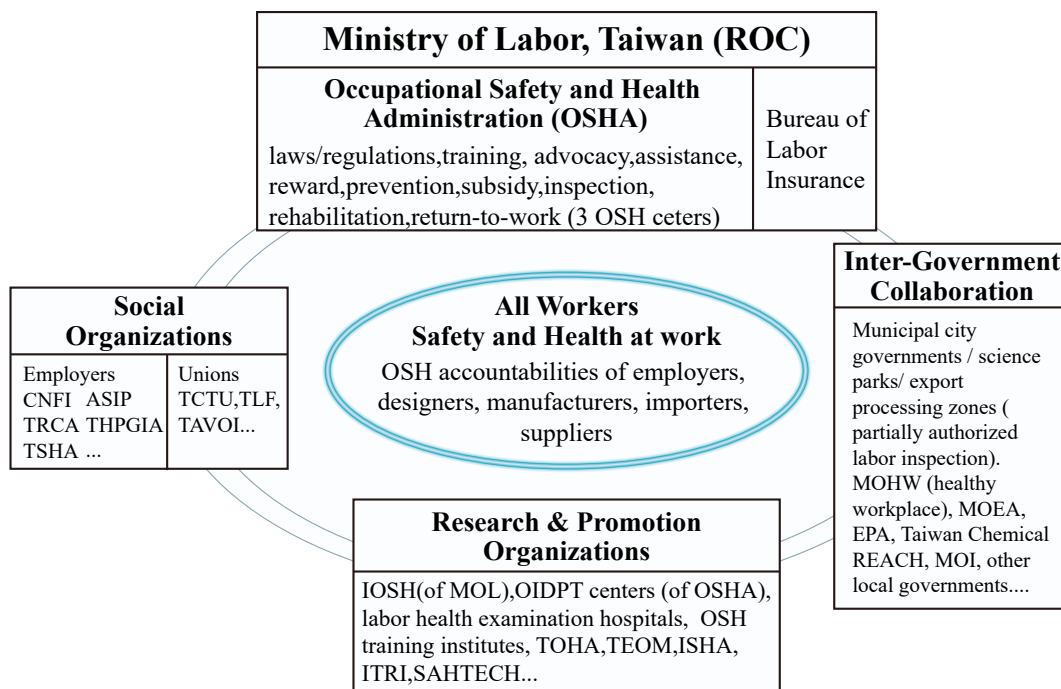


Figure 2 Taiwan's OSH collaboration scheme

ministries (such as the Science Park Bureau of Ministry of Science & Technology and the Export Processing Zone Administration of MOEA) and some municipal city governments. MOL also sets up Institute of Labor and Occupational Safety & Health, Bureau of Labor Insurance and Workforce Development Agency to facilitate OSH related affairs, such as research, assistance, training, and the insurance, compensation and statistics of worker general and occupational accidents.

The intervention strategies of OSHA fostering business entities to take OSH fully responsibility include advocacy, compliance assistance and inspection. Except empowered agencies, OSHA accounts for national labor inspection. The types of inspection include labor conditions inspection, OSH special inspection, cross inspection, labor complaint inspection, occupational accident inspection and general inspection. OSHA also increases presence in the workplace.

Except the necessary inspection candidates, 20% of year list must be the entities either new or not been inspected within 5 years. The trend of occupational accident rate has continuously decreased in recent 10 years due to the effectiveness of numerous national accident prevention programs. By means of advocacy and training, OSHA educates front-line workers and SME to enhance accident prevention knowledge. OSHA also promotes Safety Partnership to collaborate with business entities, organizations and other government agencies for leveraging limited resources to prevent occupational risks, injuries and diseases.

The MOL minister and deputy ministers frequently lead occasional site-visits with relevant agencies and/or local governments to emphasize OSH and to foster the safety culture of business entities.



Figure 3 Taiwan's OSH major programs

◆ Occupational Safety and Health Programs

Taiwan’s OSH major programs are as follow (Figure 3):

- (1) OSH Self Management
- (2) Chemical Registration, Labeling, Communication and Management
- (3) Exposure Assessment and Control
- (4) Occupational Health Service and Diseases Prevention
- (5) OSH Training
- (6) Machinery and Equipment Safety
- (7) Construction Safety
- (8) Process Safety Management
- (9) Occupational Accident Notification, Investigation, Insurance and Compensation
- (10) Occupational Accident Workers Rehabilitation and Return-to-Work
- (11) SME OSH Assistance

◆ Institute of Labor, Occupational Safety and Health(ILOSH)

IOSH involves in the following OSH related researches: safety management, mechanical safety, electrical safety, chemical safety, safety system integration and risk control,

construction safety, workplace monitoring, labor exposure surveys, biological monitoring, musculoskeletal disorder prevention, slips/trips/falls prevention, high temperature hazard prevention, noise exposure assessment, non-ionizing radiation evaluation, biological hazards prevention, industrial ventilation, particles and nano-material hazard prevention, health promotion, health protection for female workers, vocational rehabilitation, vocational mental health, occupational disease surveillance, occupational epidemiology, occupational cancer, prevention of vulnerable population and emerging hazards, etc.

◆ Center for Occupational Accident Prevention and Rehabilitation (COAPRE)

On May 1, 2022, the Labor Occupational Accident Insurance and Protection Act was implemented to protect the occupational safety and security for front line workers in Taiwan in terms of the prevention of occupational accidents as well as post-occupational accident rehabilitation. This is a milestone for the establishment of an occupational accident

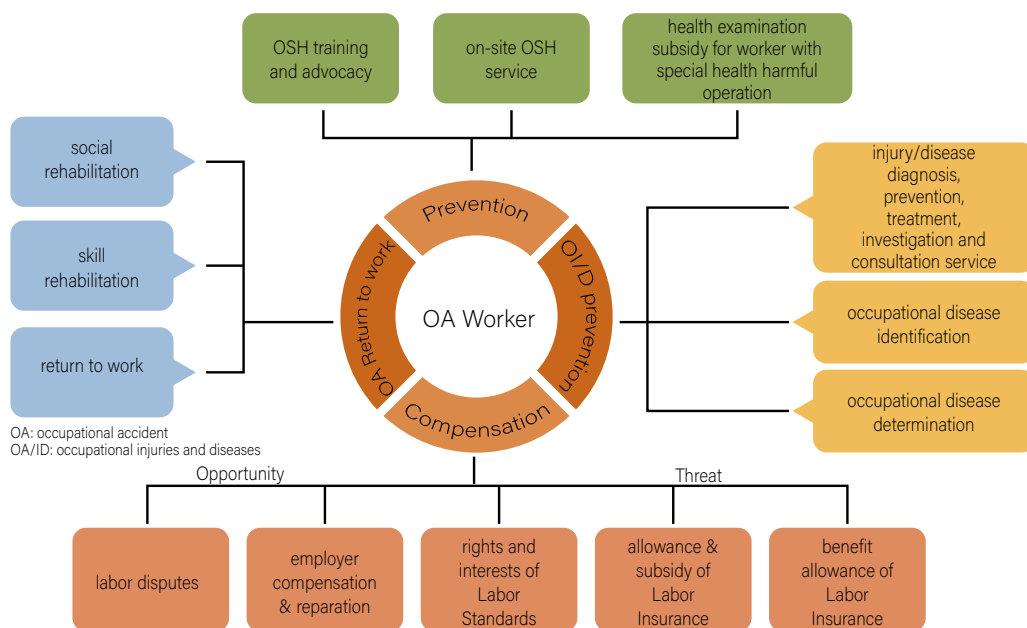


Figure 4 Protection and resource map for occupational accident workers.

insurance system for Taiwan.

According to the Ministry of Labor (MOL), the new law reinforces the rights of the workers and their family after undergoing an occupational accident. Aside from expanding the scope of inclusion as well as offering multiple additional insurance provisions so that every worker has a means to receive insurance settlements in the event of an occupational accident, the maximum and minimum monthly insurance salary have also been increased, which greatly improves the content and quality of insurance coverage. These improvements include paying 100% of the average monthly insurance salary for the first two months for the settlement of injury and disease, and also paying according to a fixed percentage of the average monthly insurance salary for the Permanent Disability Pension and Survivor Pension to secure the livelihoods of workers recently employed or with shorter length of coverage and their families. Employers may also more effectively allocate the compensation liabilities for occupational accidents. In addition, a stable budget shall be allocated for the establishment of the Occupational Accident Prevention and Rehabilitation Center, which shall handle the prevention and rehabilitation affairs for occupational accidents, provide resources to employers on the prevention of occupational accidents, and establish a complete occupational accident insurance system by utilizing a complete case management service mechanism to add more incentives for both employers and employees to participate in the vocational rehabilitation. This would effectively connect the prevention work at the front end and the rehabilitation mechanism at the back end.

The MOL emphasizes that after the implementation of the new act, workers of all occupations and types of employment status may join occupational accident insurance in accordance with relevant regulations to ensure their safety at work. Furthermore, the MOL also urges employers to enroll their employees in accordance with the new law on top of fulfilling their existing occupational safety

and health responsibilities so that workers will have insurance when they encounter occupational accidents. This will also allow corporations to build a healthy and safe working environment without concerns.

The Ministry of Labor has donated to establish the "Center for Occupational Accident Prevention and Rehabilitation" in order to promote the sustainable development of workplace safety, health, and assistance services. The center is dedicated to promoting comprehensive services in "prevention," "protection," and "Rehabilitation." It aims to provide services such as "fundamental safety source management technology," "cultivation of occupational safety and health culture," "on-site services for workplace health," "comprehensive real-time information and assistance services," "integrated services for occupational accident workers," "comprehensive services for occupational injury diagnosis and treatment," "professional services for return-to-work plans," "subsidy resource system establishment services," and "expansion of occupational health care for workers." These services are designed to safeguard both businesses and workers.

◆ OSHA Vision and Mission

In 1966 the United Nations adopted the International Covenant on Economic, Social, and Cultural Rights, which states that every individual is entitled to a safe and healthy work environment. Taiwan signed and adopted the Covenant in 2009 and has been promoting its implementation since then. Also, Taiwan is facing the state of becoming an aged society and having a low birthrate. Through a comprehensive regulatory framework, Taiwan is pro-actively addressing the problem of OSH rights for vulnerable workers and is forming a complete occupational protection net.

In order to put into practice the vision of "providing every worker with a safe, healthy, and decent workplace" and "building a sound system of diagnosis, compensation, and rehabilitation for occupational accidents and illness," and to comply with the Ministry of Labor's policies of "safe work," "safe

workplace,” and “safe labor,” the OSHA has laid out the following Strategic goals:

1. Continuously reduce occupational accident rates so as to safeguard workers' basic human rights.
2. Establish occupational health service network and maintain decent working environment to safeguard workers' physical and mental health so as to ensure national competitive workforce.
3. Establish mechanisms for industrial self-OSH management, and assist industry managing occupational hazards and risks so as to facilitate economic development and increase employment.

4. Strengthen compensation, prevention and rehabilitation systems for the occupational accident workers, provide care for the less privileged workers, and protect workers' rights.
5. Develop infrastructure for occupational safety and health and occupational accident worker rehabilitation, and be in line with international standards.

Source: <http://www.osha.gov.tw> and <https://www.coapre.org.tw>

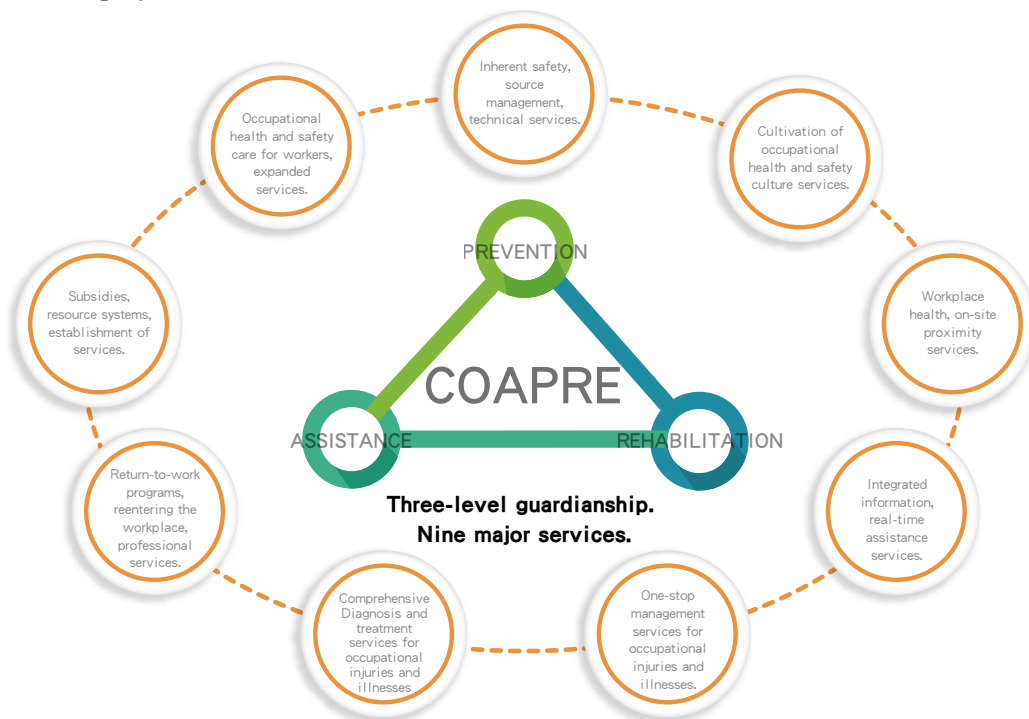


Figure 5 Center for Occupational Accident Prevention and Rehabilitation(COAPRE)



Opening ceremony of the 29th Cross-Strait and Hong Kong-Macau Occupational Safety and Health Academic Seminar.

Part

4

Appendices



Appendix-1

Statistics of Occupational Injuries in Taiwan from 2019 to 2023

1. The per thousand rate of occupational injuries in all industries

Year	Total	Injury or Illness	Disability	Death
2019	2.496	2.333	0.140	0.023
2020	2.549	2.390	0.135	0.023
2021	2.469	2.319	0.130	0.021
2022	2.269	2.131	0.116	0.022
2023	2.222	2.092	0.105	0.026

2. The per thousand rate of occupational injuries by industry

Agriculture, forestry, fishing & animal husbandry

Year	Total	Injury or Illness	Disability	Death
2019	1.126	0.962	0.073	0.091
2020	1.306	1.154	0.078	0.075
2021	1.161	1.026	0.084	0.051
2022	1.085	0.943	0.076	0.067
2023	1.170	1.068	0.058	0.043

Mining & quarrying

Year	Total	Injury or Illness	Disability	Death
2019	6.759	5.677	0.081	0.270
2020	4.317	3.778	0.270	0.270
2021	4.263	3.464	0.533	0.266
2022	5.854	5.056	0.798	-
2023	4.997	4.471	0.263	0.263

Manufacturing

Year	Total	Injury or Illness	Disability	Death
2019	2.494	2.245	0.225	0.024
2020	2.517	2.286	0.211	0.020
2021	2.570	2.320	0.228	0.022
2022	2.204	1.998	0.190	0.017
2023	2.201	1.995	0.181	0.025

Electricity & gas supply

Year	Total	Injury or Illness	Disability	Death
2019	1.395	0.997	0.359	0.040
2020	1.416	1.259	0.157	-
2021	1.571	1.257	0.314	-
2022	0.857	0.779	0.039	0.039
2023	1.151	1.036	-	0.115

Construction

Year	Total	Injury or Illness	Disability	Death
2019	9.073	8.647	0.329	0.098
2020	9.266	8.758	0.397	0.110
2021	8.604	8.203	0.297	0.105
2022	7.749	7.312	0.333	0.105
2023	7.502	7.090	0.277	0.135

Trades (wholesale & Retail)

Year	Total	Injury or Illness	Disability	Death
2019	2.037	1.905	0.123	0.009
2020	2.056	1.932	0.112	0.012
2021	1.985	1.869	0.108	0.009
2022	1.824	1.719	0.090	0.015
2023	1.725	1.631	0.083	0.011

Accommodation & food services

Year	Total	Injury or Illness	Disability	Death
2019	3.884	3.820	0.060	0.003
2020	4.009	3.976	0.033	-
2021	3.562	3.512	0.047	0.003
2022	3.458	3.409	0.045	0.003
2023	3.497	3.471	0.022	0.003

Transportation & storage

Year	Total	Injury or Illness	Disability	Death
2019	4.208	4.206	0.138	0.044
2020	4.453	4.271	0.133	0.049
2021	4.534	4.371	0.120	0.044
2022	4.374	4.155	0.166	0.052
2023	4.177	3.975	0.159	0.043

Information & Communication

Year	Total	Injury or Illness	Disability	Death
2019	0.357	0.345	0.013	-
2020	0.393	0.381	0.012	-
2021	0.396	0.375	0.021	-
2022	0.423	0.400	0.017	0.006
2023	0.390	0.373	0.011	0.006

Finance & insurance

Year	Total	Injury or Illness	Disability	Death
2019	0.213	0.195	0.015	0.003
2020	0.178	0.165	0.010	0.003
2021	0.163	0.158	0.005	-
2022	0.202	0.192	0.005	0.005
2023	0.179	0.176	0.003	-

Real estate, rental & leasing

Year	Total	Injury or Illness	Disability	Death
2019	1.163	1.149	0.014	-
2020	1.245	1.238	0.007	-
2021	1.086	1.061	0.019	0.006
2022	1.440	1.416	0.024	-
2023	1.118	1.088	0.018	0.012

Educational services

Year	Total	Injury or Illness	Disability	Death
2019	0.414	0.375	0.035	0.003
2020	0.492	0.466	0.026	-
2021	0.410	0.393	0.014	0.003
2022	0.507	0.499	0.008	-
2023	0.499	0.480	0.019	-

Professional, scientific & technical services

Year	Total	Injury or Illness	Disability	Death
2019	0.859	0.813	0.044	0.002
2020	0.977	0.927	0.038	0.012
2021	0.855	0.816	0.028	0.012
2022	0.971	0.937	0.027	0.007
2023	0.971	0.859	0.043	0.009

Healthcare & social welfare services

Year	Total	Injury or Illness	Disability	Death
2019	0.718	0.689	0.030	-
2020	0.734	0.721	0.013	-
2021	0.889	0.878	0.011	-
2022	1.137	1.121	0.015	-
2023	1.102	1.093	0.008	-



ISHA donated a forklift for educational training to National Taipei University of Technology.

Cultural, Sporting & Recreational Services

Year	Total	Injury or Illness	Disability	Death
2019	1.845	1.760	0.056	0.028
2020	1.907	1.861	0.036	0.009
2021	1.335	1.299	0.036	-
2022	1.757	1.721	0.027	0.009
2023	1.585	1.542	0.017	0.026

Support Services

Year	Total	Injury or Illness	Disability	Death
2019	2.391	2.298	0.065	0.029
2020	2.632	2.479	0.015	0.038
2021	2.657	2.543	0.093	0.021
2022	2.545	2.435	0.083	0.027
2023	2.510	2.384	0.089	0.038

Water Supply & Remediation Services

Year	Total	Injury or Illness	Disability	Death
2019	4.561	4.107	0.415	0.039
2020	4.456	4.001	0.303	0.152
2021	3.726	3.464	0.206	0.056
2022	3.696	3.495	0.165	0.037
2023	3.681	3.465	0.108	0.108

Public Administration & Defense; Compulsory Social Security

Year	Total	Injury or Illness	Disability	Death
2019	0.737	0.638	0.085	0.014
2020	0.594	0.480	0.107	0.007
2021	0.665	0.590	0.068	0.006
2022	0.529	0.445	0.048	0.036
2023	0.744	0.660	0.065	0.019

Other services

Year	Total	Injury or Illness	Disability	Death
2019	2.009	1.917	0.081	0.011
2020	2.009	1.901	0.091	0.016
2021	1.960	1.881	0.070	0.009
2022	1.627	1.561	0.057	0.009
2023	1.475	1.423	0.035	0.016

Please Note: Occupational injury incidence rate = Occupational injuries insurance benefit receipts / Insured workers under labor insurance program * 1,000.

Source: Bureau of Labor Insurance, Institute of Labor, Occupational Safety and Health, MOL. (<http://www.mol.gov.tw>)

Appendix-2

List of ISHA training courses

1	甲種職業安全衛生業務主管教育訓練班	Training for occupational safety and health managers (I)
2	乙種職業安全衛生業務主管教育訓練班	Training for occupational safety and health managers (II)
3	丙種職業安全衛生業務主管教育訓練班	Training for occupational safety and health managers (III)
4	營造業甲種職業安全衛生業務主管教育訓練班	Training for occupational safety and health managers (I)-construction sector
5	營造業乙種職業安全衛生業務主管教育訓練班	Training for occupational safety and health managers (II)-construction sector
6	營造業丙種職業安全衛生業務主管教育訓練班	Training for occupational safety and health managers (III)-construction sector

7	職業安全管理師教育訓練班	Training for occupational safety supervisors
8	職業衛生管理師教育訓練班	Training for occupational health supervisors
9	職業安全衛生管理員教育訓練班	Training for occupational safety and health specialists
10	高壓氣體製造安全主任安全衛生教育訓練班	OSH training for production safety directors of compressed gases
11	擋土支撐作業主管安全衛生教育訓練班	OSH training for supervisors of retaining and bracing operations
12	露天開挖作業主管安全衛生教育訓練班	OSH training for supervisors of open excavation operations
13	模板支撐作業主管安全衛生教育訓練班	OSH training for supervisors of frame modeling and bracing operations
14	隧道等挖掘作業主管安全衛生教育訓練班	OSH training for supervisors of digging operations in tunnels
15	隧道等襯砌作業主管安全衛生教育訓練班	OSH training for supervisors of lining operations in tunnels
16	施工架組配作業主管安全衛生教育訓練班	OSH training for supervisors of assembly operations with scaffold
17	鋼構組配作業主管安全衛生教育訓練班	OSH training for supervisors of assembly operations with steel structure
18	有機溶劑作業主管安全衛生教育訓練班	OSH training for supervisors of operations with organic solvents
19	鉛作業主管安全衛生教育訓練班	OSH training for supervisors of operations with lead
20	缺氧作業主管安全衛生教育訓練班	OSH training for supervisors of operations associated with the risk of anoxia
21	特定化學物質作業主管安全衛生教育訓練班	OSH training for supervisors of operations with specific chemical substances
22	粉塵作業主管安全衛生教育訓練班	OSH training for supervisors of operations associated with dusts
23	高壓室內作業主管安全衛生教育訓練班	OSH training for supervisors of interior compressed operations
24	吊升荷重在三公噸以上固定式起重機操作人員安全衛生教育訓練班	OSH training for operators of fixed cranes with over 3 tons of load
25	吊升荷重在三公噸以上移動式起重機操作人員安全衛生教育訓練班	OSH training for operators of mobile cranes with over 3 tons of load
26	吊籠操作人員安全衛生教育訓練班	OSH training for gondola operators
27	甲級鍋爐（傳熱面積在500平方公尺以上者）操作人員安全衛生教育訓練班	OSH training (I) for boiler operators with over 500 sq M of heating surface area
28	乙級鍋爐（傳熱面積在50平方公尺以上未滿500平方公尺者）操作人員安全衛生教育訓練班	OSH training (II) for boiler operators with between 50 and 500 sq M of heating surface area
29	丙級鍋爐（傳熱面積未滿50平方公尺者）操作人員安全衛生教育訓練班	OSH training (III) for boiler operators with less than 50 sq M of heating surface area
30	第一種壓力容器操作人員安全衛生教育訓練班	OSH training for operators of class (1) pressure vessels
31	高壓氣體特定設備操作人員安全衛生教育訓練班	OSH training for operators of specific equipments with compressed gases

32	高壓氣體容器操作人員安全衛生教育訓練班	OSH training for operators of compressed gas vessels
33	小型鍋爐操作人員特殊安全衛生訓練班	Special OSH training for operators of small boilers
34	荷重在一公噸以上之堆高機操作人員特殊安全衛生訓練	Special OSH training for operators of forklifts with over 1 ton of load
35	吊升荷重未滿三公噸之固定式起重機移動式起重機等操作人員特殊安全衛生教育訓練	Special OSH training for operators of fixed crane, mobile crane, and derrick with less than 3 tons of load
36	使用起重機具從事吊掛作業特殊安全衛生教育訓練	Special OSH training for rigging and hoist with cranes
37	以乙炔熔接裝置或氣體集合裝置（簡稱乙炔熔接等作業）從事金屬之熔接切斷或加熱作業人員特殊安全衛生訓練	Special OSH training for welding, cutting, and heating with Acetylene welding tools or gas operated tools
38	火藥爆破作業人員特殊安全衛生教育訓練	Special OSH training for operators of jobs with dynamite and/or other explosives
39	高壓室內作業人員特殊安全衛生訓練	Special OSH training for indoor operators working under compressed air
40	職業健康服務護理人員安全衛生教育訓練	OSH training for registered nurses of occupational health care service
41	急救人員安全衛生教育訓練	OSH training for first aid personnel
42	一般安全衛生教育訓練	General safety and health training
43	製程安全評估人員安全衛生教育訓練	OSH training for safety process assessors
44	危險物品運送人員專業訓練班	Training for drivers and carriers of hazardous materials
45	防火管理人訓練班（初訓）	Training for fire protection management personnel (initial training)
46	防火管理人訓練班（複訓）	Training for fire protection management personnel (advanced training)
47	一般行業職業安全衛生在職教育訓練	On-the-job occupational safety and health training for general occupational
48	營造業職業安全衛生在職教育訓練	On-the-job occupational safety and health training for general occupationals of construction industry
49	職業安全衛生管理人員職業安全衛生在職教育訓練	On-the-job occupational safety and health training for specialists
50	高壓氣體作業主管,營造作業主管,及有害作業主管職業安全衛生在職教育訓練	On-the-job occupational safety and health training for supervisors of compressed gases, construction, and harmful operations
51	具有危險性之機械或設備操作人員職業安全衛生在職教育訓練	On-the-job occupational safety and health training for operators of dangerous machineries and equipment
52	特殊作業人員職業安全衛生在職教育訓練	On-the-job occupational safety and health training for operators of special operations
53	急救人員安全衛生在職教育訓練	On-the-job safety and health training for first aid personnel
54	施工安全評估人員安全衛生教育訓練	OSH training for construction safety assessment personnel

55	高空工作車操作人員特殊作業安全衛生教育訓練	Special OSH Training for Mobile Elevating Work Platforms Operators
56	甲級化學性因子作業環境監測人員安全衛生教育訓練	OSH training for class A chemical factor working environment monitoring personnel
57	甲級物理性因子作業環境監測人員安全衛生教育訓練	OSH training for class A physical factor working environment monitoring personnel
58	乙級化學性因子作業環境監測人員安全衛生教育訓練	OSH training for class B chemical factor working environment monitoring personnel
59	乙級物理性因子作業環境監測人員安全衛生教育訓練	OSH training for class B physical factor working environment monitoring personnel
60	高壓氣體製造安全作業主管安全衛生教育訓練	OSH training for safety operation supervisors of high-pressure gas production
61	高壓氣體供應及消費作業主管安全衛生教育訓練	OSH training for safety operation supervisors of high-pressure gas supply and consumption
62	屋頂作業主管安全衛生教育訓練	OSH training for safety supervisors of rooftop operation
63	勞工健康服務護理人員及勞工健康服務相關人員安全衛生在職教育訓練	On-the-job OSH training for labor health service nursing personnel and related personnel
64	勞工作業環境監測人員安全衛生在職教育訓練	On-the-job OSH training for working environment monitoring personnel
65	施工安全評估人員及製程安全評估人員安全衛生在職教育訓練	On-the-job OSH training for construction safety assessment personnel and process safety assessment personnel
66	各級管理、指揮、監督之業務主管安全衛生在職教育訓練	On-the-job OSH training for all levels of management, command, and supervisory business supervisors
67	職業安全衛生委員會成員安全衛生在職教育訓練	On-the-job OSH training for occupational safety and health committee members
68	一般勞工安全衛生在職教育訓練	On-the-job OSH training for general laborers

Appendix-3

Main OSH Laws and Key OSH-by Laws of Taiwan

🕒 Main Laws on OSH

Category	Key Phrases of Acts
1. Occupational Safety and Health Act	The Act covers general responsibility of employers, machinery safety, chemical hazard communication & exposure assessment, occupational health protection, maternity and youth worker protection, OSH management, contractor and subcontractor management, severe occupational accident notification, monthly occupational accident statistics, supervision & inspection, penalty, etc.
2. Labor Inspection Act	The Act is enacted to implement labor inspection, enforce labor laws and regulations, protect the rights and interests of employees and employers. The scope of labor inspection includes the enforcement of this Act, Labor Standards Act, Occupational Safety and Health Act and other labor laws & regulations, including process safety management, dangerous machinery /equipment inspection, management of designated inspection agency, inspection procedures, etc.
3. Occupational Accident Labor Protection Act	MOL prepares and allocates (1) the surplus of the incomes and expenditures of the occupational accident insurance program of the Labor Insurance Fund, (2) special budget fund and (3) administrative fines for the expenses of this Act.
4. Labor Insurance Act	The coverage of Labor Insurance is categorized as 1.General insurance (including maternity, injury or diseases, disability, old-age and death benefits) and 2.Occupational accident insurance (including injury or disease, medical-care, disability and death benefits).
5. Labor Standards Act	The Act is enacted to provide minimum standards for working conditions. Employer shall take precautions for the safety and benefit of employees against occupational hazards, create proper working conditions and provide welfare facilities. Original business entity shall supervise the contractor or subcontractor to provide their workers with such labor conditions as prescribed in the Act.

🕒 Key OSH by-laws

Category	Key Phrases of Regulations, Rules and Standards
1. General occupational safety and health	OSH enforcement, safety and health installations, OSH management, risk assessment, self inspection, pregnancy workers, female workers after giving birth less than a year, youth workers, female worker working in night shift, incentives and awards for promoting OSH, etc.
2. General workplace management	process safety management, workplace monitoring, oxygen deficiency prevention, OSH labelling, etc.
3. High pressure gas	worker safety for handling high pressure gases.
4. Health management	health examination body management, worker health protection, occupational disease prevention, etc.
5. Education and trainings	worker OSH education and trainings
6. Chemical substances	hazard labelling and communication, permissible exposure levels, intoxication prevention, specific chemical substances, organic solvents, lead, tetra alkyl lead, dusts, etc.
7. Mechanical safety	general safety protection of machine and equipment, type inspection and verification, dangerous machinery and equipment inspection, designated inspection agency, crane, lift, boiler, pressure vessel, industrial robot, etc.

Category	Key Phrases of Regulations, Rules and Standards
8. Specific operations	abnormal atmosphere pressure, work at height, work at high temperature, precision vision work, etc.
9. Targeted industrial sectors	construction, harbor loading and unloading, ship tanker cleaning and dismantling, forestry, mining, etc.
10. Occupational accident protection	occupational accident labor protection enforcement, subsidy and granting, labor insurance during medical care, occupational accident prevention, worker rehabilitation, return to work, etc.
11. Others	labor inspection enforcement, factory act enforcement, imminent dangers, work related injuries and diseases, etc.

Appendix-4

Monthly Journals of Industrial Safety and Health published in 2024



Introduction of ISHA OSH Experience Center



Audio-Visual Room/Workshops



AR Interactive Zone



Screen/Studio Photography

Visits are welcome by appointment

ISHA 4.0 Occupational Health and Safety Experience Center utilizes digital materials, AR, VR, and other new technologies to promote occupational health and safety education and training, enhancing safety awareness and preventing occupational accidents.

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Digital Training Materials



Knowledge-sharing Talks Recording

Using multi-angle shooting to switch perspectives, enriching the content of educational materials and capturing exciting moments during lectures.



Hands-on Demonstration and Instruction

Filming practical instructional content with split-screen and key learning points, equipment and machinery operation, followed by video editing to present



2D Animation

Transforming spoken content into dynamic visuals, making the information more engaging and easy to comprehend





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