



# **Approaching zero harm through enhancement, collaboration and influence**

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# IOSH and its members

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## The Chartered body for safety and health professionals

- 47,000+ members in around 130 countries
- Networks worldwide and across industry sectors
- 180,000 delegates in over 70 countries trained each year
- Providing free tools and resources for businesses
- Impactful research for evidence-based practice
- Campaigning on occupational cancer
- Influencing government and business
- A thought leader on safety and health issues



# WORK 2022

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The professional body leading the way

## Vision 願景

A safe and healthy world of work

## Mission 使命

Our mission is to be the professional body leading the way in global occupational safety and health. Because of our expertise, reach and reputation, IOSH is uniquely placed to influence the way organisations look after their people at work.



# WORK 2022

## The professional body leading the way

- **WORK 2022** is IOSH's five-year strategy
- Launched in April 2017, it has three broad areas of work

### Enhance 提升能力

We will lead, promote and support a credible profession, which saves lives and has a positive impact on an organisation's reputation and results

### Collaborate 互利合作

We will build strategic partnerships through collaboration, forging mutually beneficial relationships with organisations

### Influence 帶動影響

We want to empower professionals and businesses to address local issues and have a greater influence and impact globally



# IOSH's Strategy



# Enhancement through training and skills courses

## For safer and healthier working environments

**Managing Safely Refresher**  
Refreshes knowledge and builds on existing capabilities

**Leading Safely**  
Essential learning for senior leaders

**Managing Safely**  
Every manager needs an understanding of their safety and health responsibilities

**Working Safely**  
Everyone at work needs to understand the importance of safety and health

**Managing Safely Refresher**  
Refreshes knowledge and builds on existing capabilities

# Training and skills courses

Developing new courses for every working person



- *Fire Safety Awareness, Fire Safety for Managers and Environment for Business* offer training in vital new areas
- Arabic versions of *Working Safely* and *Managing Safely* launched in Middle East
- New professional development courses for OSH professionals
- *Managing Occupational Health and Wellbeing*
- *Safety, Health and Environment for Construction Site Managers* and *Safety, Health and Environment for Construction Workers*

# Training and skills courses



# The future of our profession

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## IOSH student membership

- For full- and part-time students on IOSH-accredited OSH qualifications and safety, health and environment technician apprentices
- Helps new entrants to plan and manage career goals
- Gives access to range of membership benefits



<https://www.iosh.co.uk/News/Student-membership.aspx>

# Our collaborations

Working with others to create safer, healthier workplaces

## Collaborate

We will build strategic partnerships through collaboration, forging mutually beneficial relationships with organisations



# Our influence

Strengthen our influence and impact globally

## Influence

We will strengthen our impact globally by empowering health & safety professionals and business around the world



# What is Zero Harm?

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Zero harm refers to an approach to occupational safety that has been adopted by many workplaces.

The goal of a zero-harm approach is to operate a workplace without exposing an individual to injury through the implementation of safe work systems.

Zero-harm approaches are linked to exceeding safety regulations.

**VISION ZERO** 

# IOSH support for Vision Zero

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Working towards our vision

## Our vision

A safe and healthy world of work

## Our mission

To be the professional body leading the way in global occupational safety and health

## Vision Zero

Supports both our vision and mission – IOSH wants to lead a profession that works towards a world of work that is free of work-related injury, illness and fatalities



# Why do organisations seek a zero-harm approach?

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In 2017, the International Labour Organization (ILO) estimated that every year worldwide:

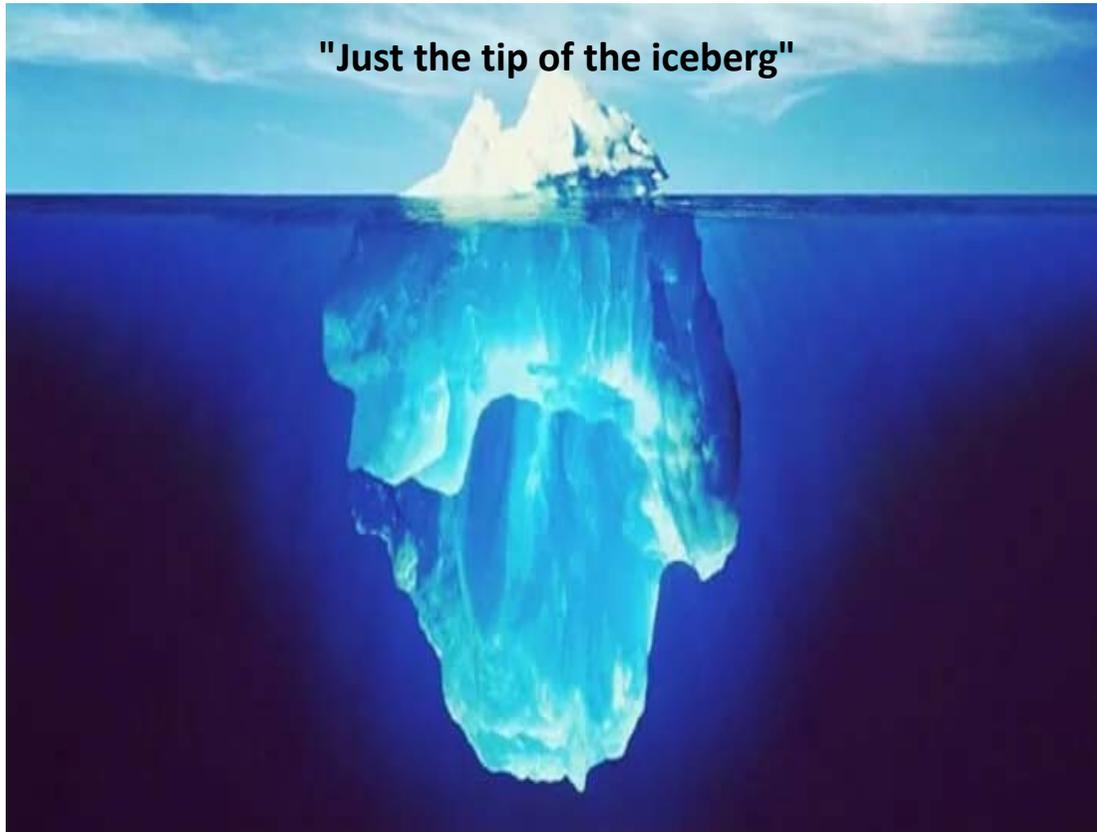
- 2.78 million work-related deaths occur
- 374 million occupational accidents and illnesses happen
- 3.94% of economic losses are incurred

In Asia, estimates of annual occupational accidents from 2014 show:

- fatalities – 271,949
- non-fatal accidents (at least 4 days absence) – over 267 million
- work-related diseases – 1,803,098

# What do accidents cost your organisation?

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## Direct Costs – insured costs

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## Indirect Costs – hidden costs

- Time lost from work by injured employee.
- Lost time by fellow employees.
- Loss of efficiency due to break-up of crew.
- Lost time by supervisor.
- Training costs for new/replacement workers.
- Damage to tools and equipment.
- Time damage equipment is out of service.
- Loss of production for remainder of the day.
- Failure to fill orders/meet deadlines.
- Overhead costs while work was disrupted.
- Others

# Zero Harm – Aspiration or Goal?

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- All occupational accidents, harm and diseases are preventable
- Zero Harm is a process rather than a target
- It is a transformational approach to prevention
- It builds a culture of prevention that integrates both safety, health and well-being at work

Model based on: Zwetsloot, Leka, Kines. Vision zero: from accident prevention to the promotion of health, safety and well-being at work; in Policy and Practice in Health and Safety, IOSH 2017

# 7 'Golden Rules' of Zero Harm

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1. Take leadership – demonstrate commitment



2. Identify hazards – control risks



3. Define targets – develop programmes



4. Ensure a safe and healthy system – be well-organised



5. Ensure safety and health in machines, equipment and workplaces



6. Improve qualifications – develop competence



7. Invest in people – motivate by participation

# Systems and processes

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To deliver a 'zero harm' approach we still need the basics in place:

- Roles, accountabilities and responsibilities must be defined throughout the organisation
- Incremental targets, performance indicators and reporting paths are needed
- A risk-based evidence-driven approach to justify action & ensure we focus on the highest risk first
- Risk-informed competency development – information, instruction and training
- Effective monitoring systems including incident investigation to promote a learning organisation

# Joining Vision Zero

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You can take part in a global effort

- To improve safety, health and wellbeing at work
- To prevent occupational accidents, diseases and harm
- To reduce the economic burden of poor working conditions

Be part of a global community of

- Vision Zero Companies
- Vision Zero Partner Organisations
- Vision Zero Trainers

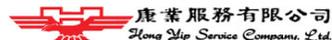
# Joining Vision Zero

By signing up, you will have access to exclusive downloadable content and you will receive updates and other information

[Visionzero.global/joinus](http://Visionzero.global/joinus)

# VISION ZERO

Safety. Health.  
Wellbeing.



## Vision Zero in China and Hong Kong

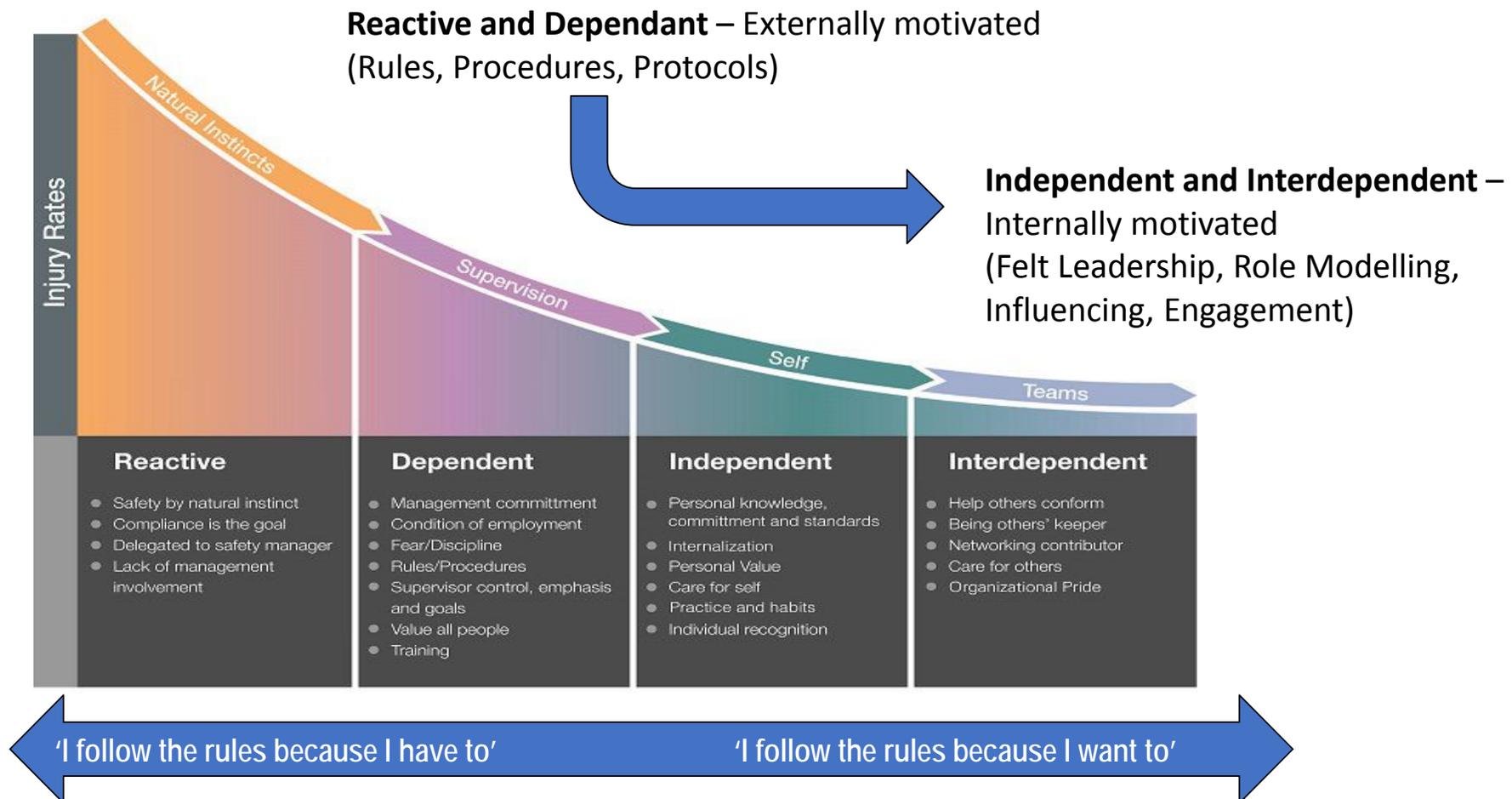
## Limitations of a zero-harm approach

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- Potential for promotion of under-reporting of accidents
- Over-reporting of 'trivial' near misses
- Cost benefit analysis to accidents and preventive actions
- Over-bureaucratisation of safety systems



# Where is your business on the OSH journey towards zero harm?



# Olympic park – ‘Beyond Zero’

<http://www.hse.gov.uk/research/rrpdf/rr942.pdf>



# Outcomes of Olympic Park project

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What did good management achieve?



Construction was completed on time



Construction was completed within budget



There was not a single fatality



The project provided £6bn worth of business

# Benchmarking of Injury Rates

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- Although occupational accidents are preventable, they are inevitable. Hence, Zero Harm is a process rather than a target
- Major companies have structured safety management system in place
- Promulgate a culture across industries for sharing of good practices and openly discuss lessons learnt from accidents is a key step to realise the vision
- Be transparent, look for improvement, not blaming

## Health and safety success in China



In August 2016, the project achieved a major safety milestone: one million man-hours without lost time injury (LTI) 27

# Discussion – questions and answers

- *What is your opinion of the zero-harm approach?*
- *Would you look at a different approach? If so, why?*



**Thanks for your time**

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