

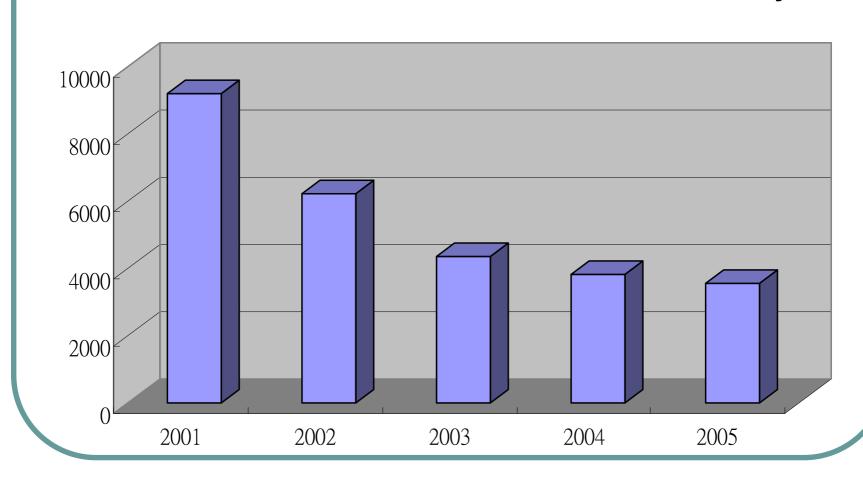
Facts of HK Construction Industry

- Accounted for 3.2% of HK's GDP (2004)
- Approximate 1,000 construction sites (2006)
- Employed over 52,000 site workers (2006)
 - 10% of total work force in HK's Industries



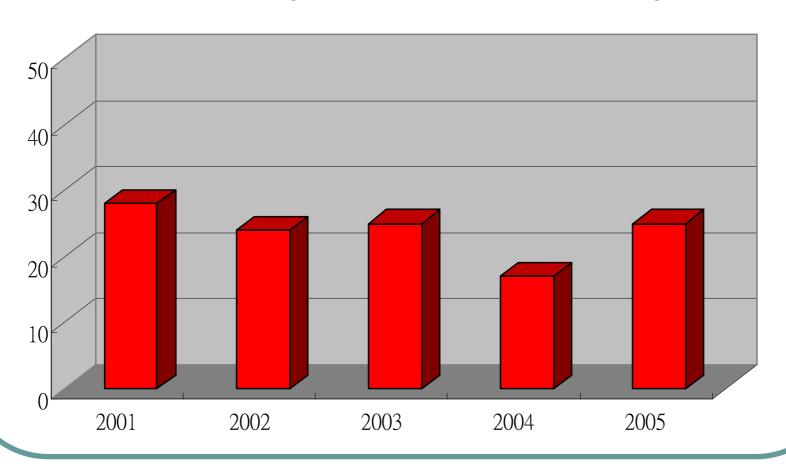
Accident Statistics (1)

No. of Industrial Accident in HK Construction Industry



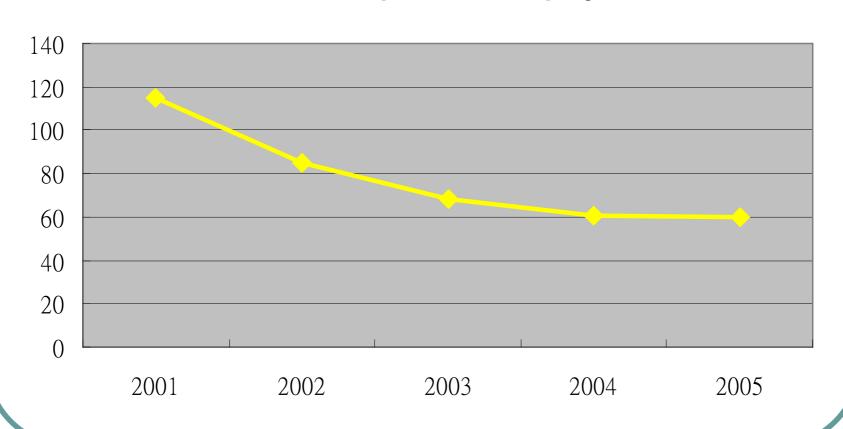
Accident Statistics (2)

No. of Fatality in HK Construction Industry

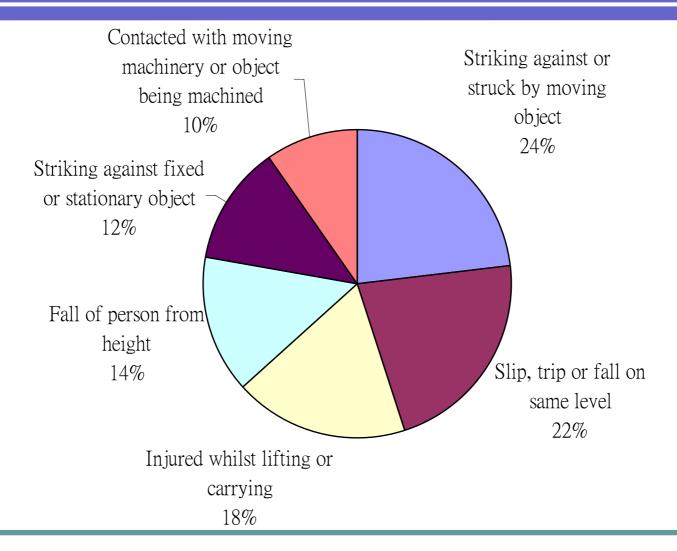


Accident Statistics (3)

Accident Rate per 1,000 Employees



Accident Statistics (4)



Construction Industry's Accidents by Type (2005)

Facts of Accidents Statistics

- Rank 2nd for No. of Industrial Accidents in HK
 - 1st Catering Industry
- Rank 1st for No. of Fatality in HK
- Rank 1st for Accident Rate per 1,000 employees in HK

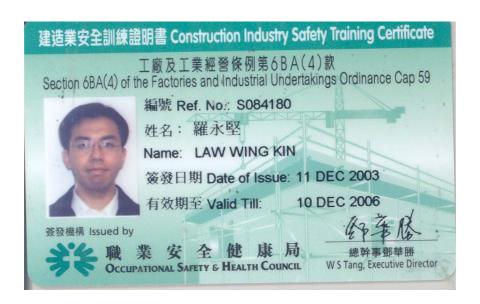
Statutory Bodies for OSH

- Labour Department
- Occupational Safety and Health Council (OSHC)
 - Promotion
 - Consultancy Services
 - Training
 - Research
 - Information



Safety Training Requirements (1)

 Mandatory Basic Safety Training (Green Card)



Safety Training Requirements (2)

- Confined space work
- Use of Equipment
 - Cranes and lifting appliances
 - Load-shifting equipment (Forklift truck, etc.)
 - Suspended working platform
 - Gas welding and flame cutting, etc.







Site Safety Personnel Requirement

- Registered Safety Officer (RSO)
 - For No. of workers ≥ 100
- Safety Supervisor
 - For No. of workers ≥ 20



Safety Management Requirement

- Factories and Industrial Undertakings (Safety Management) Regulation
 - Workers ≥ 50 or Contract Sum ≥ \$100M
 - Implement an SMS with 8 or 14 elements
 - Periodic review or audit



Safety Management Elements

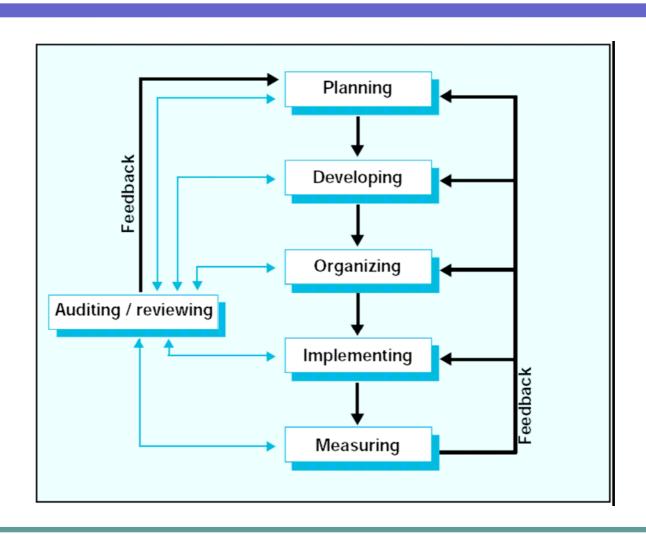
≥ 100 Workers or ≥ 100 M Contract Sum

50 ~ 99 Workers

- Safety Policy
- Safety Organization
- Safety Training
- Safety Rules
- Safety Inspection
- PPE Program
- Accident Investigation
- Emergency Preparedness

- Safety Committee
- Subcontractor Selection,
 Evaluation & Control
- Job Hazard Analysis
- Safety Promotion
- Process Control Program
- Health Surveillance

Safety Management Model



Legal Requirements for Construction Sites

- Construction Sites (safety) Regulations
 - Fall protection, excavation safety, lifting safety, etc.
- Factories and Industrial Undertakings Ordinance & Regulations
 - Confined space safety, hearing protection, suspended working platform safety, etc.
- Occupational Safety and Health Ordinance & Regulations
 - Hygiene requirement, manual handling operation, etc.

Promotional Activities

- Construction Safety Award
 - Physical environment of site
 - Safety Management
- Construction Safety Campaign, etc.







Sponsorship Schemes for SME

- OSH Enhancement Scheme
- Safe Work at Confined Space
- Anchor Device
- Safe Ladder, etc.



What's New? (1)

Behavioral-based Safety

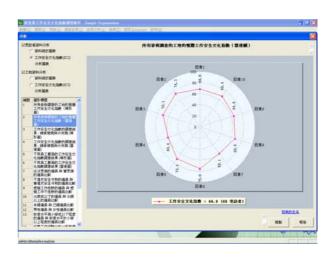


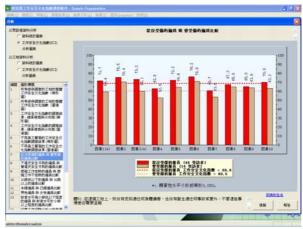


What's New? (2)

Safety Climate Index







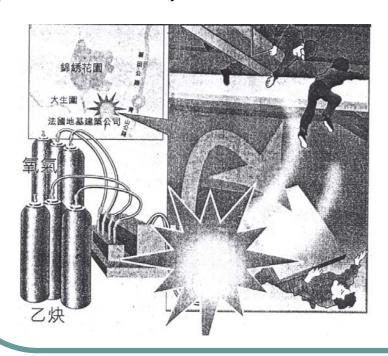
Major Construction Accident Cases in HK (1)

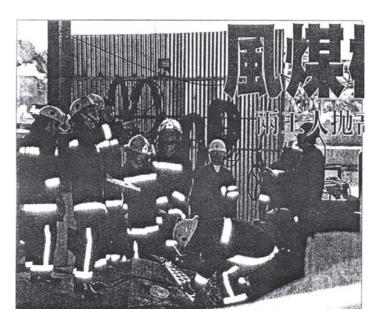
A passenger hoist in a building construction site fell from height and all 12 workers within the hoist dead (2/6/1993)



Major Construction Accident Cases in HK (2)

An explosion in gas welding workshop of a foundation project company killed 3 workers (12/2/2000)





Major Construction Accident Cases in HK (3)

One worker dead and 16 workers injured in an bamboo scaffold collapse accident in facade maintenance site (9/12/2002)

One dead, 16 hurt as scaffolding crashes down

Terrified workers clung to bamboo as it collapsed from the side of a hotel

jured when a 50-metre-high sec-tion of scaffolding crashed down Pol

just after 36 workers returned to the Mody Road work site after

SAFETY FEARS RISE AFTER ACCIDENT

concerns about the safety and reliability of the centuries-old construction method used across Hong Kong. A two-year study conducted by the Hong Kong University of

cience and Technology, whose findings were released in September aund the strength and other characteristics of commonly used mboo varied greatly. It showed bamboo deteriorated in quality as umidity increased, while its strength diminished over time, letween 1994 and 1998, 31 fatal accidents related to bamboo caffolding were reported. Hong Kong Construction Industries ployees General Union chairman Choi Chun-wa said the





Major Construction Accident Cases in HK (4)

A truss-out scaffold collapsed and two workers killed after fell from 6/F to ground (13/7/2005)



End