



EHS in Malaysia

Presented by
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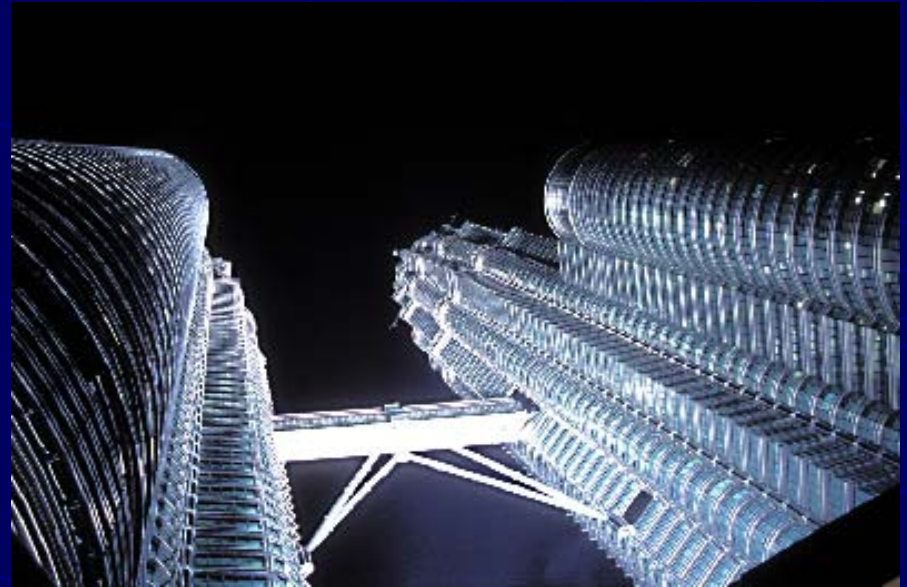
Objective & Agenda

▶ Objective

- How to manage EH&S responsibilities
- Enhance business options
- Example company

▶ Agenda

- Business & Culture
- EHS
 - ▶ Regulations
 - ▶ Statistics
 - ▶ Practices/Standards
 - ▶ Considerations
- Example



Malaysia

NM



Malaysia's Culture

▶ The People

- Population –
 - ▶ 22,662,365
- Ethnicity –
 - ▶ Malay 50.3%
 - ▶ Chinese 24.1%
 - ▶ Indigenous 10.9%
 - ▶ Indian 7.1%
 - ▶ Non-Malaysians 6.3%
 - ▶ Others 1.3%



Malaysia's Culture

▶ The People

- Education –
 - ▶ Years compulsory = 9
- Literacy –
 - ▶ 94%
- Languages –
 - ▶ Malay
 - ▶ Cantonese
 - ▶ Mandarin Chinese
 - ▶ English



Malaysia's Culture

▶ The People

■ Religious Composition –

- ▶ Islam = 38%
- ▶ Christian = 17%
- ▶ Other = 45%
 - Buddhism, Confucianism, Taoism, Hinduism, Sikhism, Baha'i faith, etc.

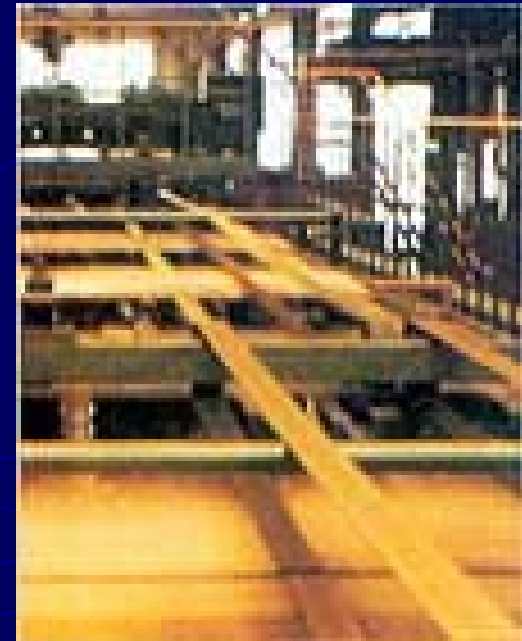


Malaysia's Business

- ▶ Manufacturing = 27%
- ▶ Services and Government = 20%
- ▶ Local Trade and Tourism = 17%
- ▶ Agriculture, Forestry, and Fisheries = 16%
- ▶ Construction = 8%
- ▶ Finance = 6%

Malaysia's Business

- ▶ Exported \$94.4 billion worth of products (2001)
- ▶ Top Industries –
 - Electronics
 - Electrical products
 - Rubber and palm oil
 - Petroleum
 - Liquid natural gas
 - Apparel
 - Timber and logs, plywood and veneer



Malaysia's Business

▶ Top Export Partners –

- US = 20%
- Singapore = 17%
- Japan = 14%
- Hong Kong = 4.5%
- Netherlands = 4.5%
- China = 4%
- Thailand = 4%



EHS - Malaysia

- ▶ British & US Model
 - Environmental
 - Occupational



EHS

▶ Environmental Concerns

- Air pollution
 - ▶ Industrial and vehicular emissions
 - ▶ Smoke / haze from Indonesian forest fires
- Water pollution
 - ▶ Raw sewage and deforestation



EHS

▶ Environmental Agreements

- Biodiversity
- Climate Change, Climate Change-Kyoto Protocol
- Desertification, Tropical Timber 83, Tropical Timber 94
- Endangered Species
- Hazardous Wastes
- Law of the Sea, Marine Life Conservation, Ship Pollution
- Ozone Layer Protection
- Wetlands

EHS

▶ Environmental Regulations

- The Environmental Quality Act, 1974
- DEPARTMENT OF ENVIRONMENT MALAYSIA
 - ▶ MINISTRY OF SCIENCE, TECHNOLOGY AND THE ENVIRONMENT



EHS – Environmental Requirements

▶ **Factory**

- Approvals from the Director General of Environmental Quality prior to the setting up of a factory or project implementation
 - ▶ EIA reports (for prescribed activities only);
 - ▶ Site suitability evaluation (for non-prescribed activities);
 - ▶ Written permission to construct;
 - ▶ Written approval for installation of incinerator, fuel burning equipment and chimney; and
 - ▶ License to use and occupy (for prescribed premises).

EHS – Environmental Requirements

- ▶ **Incentives for pollution control and management**
 - Pioneer Status/Investment Tax Allowance (ITA) for companies under-taking reprocessing of certain wastes such as agricultural and chemical waste;
 - Pioneer Status/ITA for companies storing, treating and disposing toxic and hazardous waste;
 - Special capital allowance for companies which provide facilities to store, treat and dispose waste of its own factory; and
 - Exemption of import duty, sales tax and excise duty on machinery/equipment and raw material to manufacturing companies for pollution control.

EHS – Occupational

▶ **Regulatory Bodies**

- National Safety & Health Advisory Council
- Department of Occupational Safety & Health
 - ▶ OSHA (1994)
 - ▶ Labor Inspectorate
- National Institute for Occupational Safety & Health

EHS – Occupational

▶ Regulation Requirements

- Establish a Safety & Health Committee
 - ▶ 40 employees or more, or as directed by the Director-General OSH
- Employers who employ more than 500 employees shall employ a Safety and Health Officer

EHS – Occupational

▶ Notification of accidents, dangerous occurrence, occupational poisoning and occupational diseases, and inquiry

▪ 32.

- ▶ (1) An **employer shall notify** the nearest occupational safety and health office of **any** accident, dangerous occurrence, occupational poisoning or occupational disease which has occurred or is likely to occur at the place of work.
- ▶ (2) **Every registered medical practitioner or medical officer** attending to, or called in to visit, a patient whom he believes to be suffering from any of the diseases listed in the Third Schedule of the Factories and Machinery Act 1967, or any disease named in any regulation or order made by the Minister under this Act, or occupational poisoning shall report the matter to the Director General

EHS – Occupational

▶ **General duties of employees at work**

- 24. (1) It shall be the duty of every employee while at work-
 - ▶ (a) to take reasonable care for the safety and health of himself and of other persons who may be affected by his acts or omissions at work
 - ▶ (b) to co-operate with his employer or any other person in the discharge of any duty or requirement imposed on the employer or that other person by this Act or any regulation made thereunder;
 - ▶ (c) to wear or use at all times any protective equipment or clothing provided by the employer for the purpose of preventing risks to his safety and health; and
 - ▶ (d) to comply with any instruction or measure on occupational safety and health instituted by his employer or any other person by or under this Act or any regulation made thereunder.
- (2) A person who contravenes the provisions of this section shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding one thousand ringgit or to imprisonment for a term not exceeding three months or to both.

EHS – Occupational

- ▶ **Duty not to interfere with or misuse things provided pursuant to certain provisions**
 - **25.** A person who intentionally, recklessly or negligently interferes with or misuses anything provided or done in the interests of safety, health and welfare in pursuance of this Act shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding twenty thousand ringgit or to imprisonment for a term not exceeding two years or to both.
- ▶ **Duty not to charge employees for things done or provided**
- ▶ **Discrimination against employee, etc**

EHS – Occupational

▶ Statistics (2001)

- 415,000 employers
- 8.87 Million employees
- 85,229 Registered Accidents
 - ▶ 17170 traveling
 - ▶ 974 fatalities
- OSHA Activities
 - ▶ 69,826 visits
 - ▶ 32,793 inspections
 - ▶ 25%



EHS – Kingston

▶ Malaysia

- Manufacturer of memory modules
- Followed similar approach to US
- Certified for:
 - ▶ ISO 9001
 - ▶ ISO 14001
 - ▶ OHSAS 18001



EHS – Kingston

▶ Environmental

- Environment Quality Act, 1974
- Environmental Quality (Clean Air) Regulations 1978
- Environmental Quality (Sewage and Industrial Effluents) Regulation 1979
- Environmental Quality (Scheduled Wastes) Regulations, 1989
- Street, Drainage and Building Act 1974 (Act 133)

EHS – Kingston

▶ Occupational

- Occupational Safety and Health (Classification, Packaging and Labeling) Regulation, 1997
- Factories and Machinery Act, 1967
- Factories and Machinery Regulations
 - ▶ Stacking of material, fire protection provisions, safeguarding, electrical hazards, lifting of weights, etc.
- Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000

EHS – Kingston

▶ Some Activities:

- Safety committee
- Training –
 - ▶ Fire protection
 - ▶ Radiation
- Medical surveillance

▶ To achieve excellence in EHS, must have:

- Professional knowledge for Kingston staff
 - ▶ Applicable to best environmental / safety management practice
- Regular legislation updates from Department of Environment or relevant authorities
 - ▶ Applicable new or changing legislation

Summary

- ▶ Workforce Diversity
- ▶ Literate, relatively educated
- ▶ EHS Laws
- ▶ Employer & Employee Obligations
- ▶ ISO Standards & Practices





Thank You!

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