

One-day Course on Health, Safety and Environment (HSE) in the Industry

MARINE ENGINEERING AND NAVAL ARCHITECTURE TECHNICAL DIVISION



by Engr. Shazan Rahman

IN September 2013, the IEM Marine Engineering and Naval Architecture Technical Division (MNATD) organised a one-day course on "Health, Safety and Environment (HSE) In The Industry". The objective was to increase awareness on the importance of HSE in the engineering sector of the marine industry.

The course was presented by Prof. Ir. Dr. Ab. Saman Abd. Kader, the Director of Marine Technology Centre of Universiti Teknologi Malaysia (UTM) and was chaired by Dato' Ir. Hj. Jasan Ahpandi, the deputy chairman of MNATD.

Prof. Saman started the course by discussing the HSE Law in Malaysia, mainly the Occupational Safety and Health Act (OSHA) 1994. He also explained the role of Department of Safety and Health (DOSH) in regulating the HSE laws.

He then covered HSE issues in plants, machinery and equipment. To make this topic interesting, Prof. Saman gave numerous examples from his past experiences as a marine engineer on board of the Malaysian International Shipping Corporation. He discussed the HSE issues that he had to face while operating, repairing and maintaining the power plant system of the vessels.

Prof. Saman then talked about the importance of HSE Management System in an organisation. He emphasised the importance of the manager's role in managing the HSE policy, operation and training to ensure the successful implementation of HSE procedure. To ensure that the HSE Management System is effective, the HSE team should audit its system regularly and appropriate measures should be taken to improve any procedure that is not used effectively.

For example, a recent audit may find that the workers are not wearing the required personal protective equipment (PPE) regularly when working. To solve this problem, the management should carry out regular training programmes and put up awareness posters to make the workers more aware about the importance of using PPE.

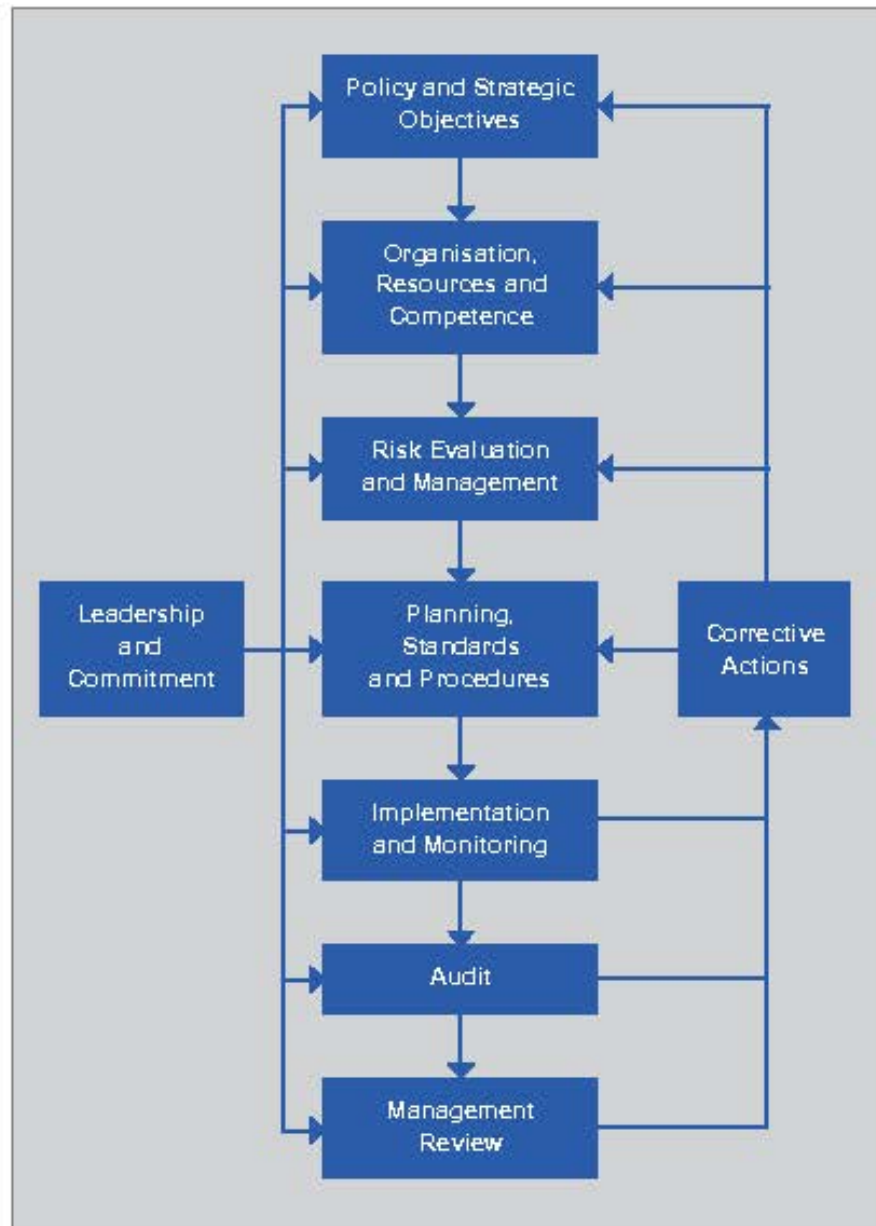


Figure : Typical Structure of a HSE Management System

The session ended with discussions on how to carry out HSE risk assessment and how these risks can be managed. Prof. Saman stressed that the first thing one should do is to eliminate or reduce the risks. Eliminating the risks will ensure no accident will happen in the first place. Effective communication is also important to ensure workers are aware of the potential hazards surrounding them. Personal protective equipment (PPE) should only be used as the final option.

The participants found the course was interesting as Prof. Saman's experiences as a marine engineer and his current role as the Director of UTM Marine Technology Centre, gave him a unique blend of examples in explaining the HSE issues. It was hoped that this course could be repeated again in the future. ■

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Pengumuman yang ke-74

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