

HEALTH SAFETY AND ENVIRONMENT

All organisations must engage with the twin aspects of risk; embracing opportunity whilst controlling threats. The energy sector has a great track record for the former, but a long list of tragic major accidents are testimony to failures in managing the latter aspect. In high risk industries, even a single major incident can represent a challenge to the very survival of an organisation; as witnessed in 2010 in the Gulf of Mexico. However, successful management of HSE is more than just avoiding the human, financial and reputational costs of accidents, or indeed doing 'just enough' to comply with local government regulation. Investing leadership time, energy and resources on HSE issues can deliver premium in terms of reliability, workforce engagement & productivity as well as forming an integral contribution to the bottom line results.





BENEFITS TO IMPLEMENT HSE SYSTEM

Implementation of proper Health, Safety and Environment Management System as per require standards improves business, often having a positive effect on investment, sales growth, competitive advantage, preparation of hse manual, adequately planning, environment management, employee motivation. HSE standard guidelines provide a comprehensive model for environment, health and safety management systems that can make any company competitive. Among the wide advantages of the HSE standard some of as follows:

- ✓ Creates a more efficient, effective operation.
- ✓ Increases customer satisfaction and retention.
- ✓ Reduces third party audits.
- ✓ Reduce risk of accidents and incidents.
- ✓ Improves employee motivation, awareness, and morale.
- ✓ Promotes international trade.
- ✓ Increases profit.
- ✓ Reduces waste and increases productivity.

Costs of poor health and safety at work

HSE statistics reveal the human and financial cost of failing to address health and safety:

Each year:

- ✓ Millions of working days are lost due to work-related illness and injury.
- ✓ Thousands of people die from occupational diseases.
- ✓ Around a million workers self-report suffering from a work-related illness.
- ✓ Several hundred thousand workers are injured at work.
- ✓ A worker is fatally injured almost every working day.
- ✓ Organisations can incur further costs – such as uninsured losses and loss of reputation.

HSE SAFETY STATISTICS 2014/15

1.2 MILLION 
PEOPLE SUFFERING WORK-RELATED ILLNESS

2538
MESOTHELIOMA
DEATHS
DUE TO PAST
ASBESTOS
EXPOSURES

611,000 INJURIES 
OCCURRED AT WORK ACCORDING
TO THE LABOUR FORCE SURVEY

27.3 MILLION
WORKING DAYS 
LOST DUE TO WORK-RELATED
ILLNESS AND WORKPLACE INJURY

142 WORKERS
KILLED AT WORK

76,000 
OTHER INJURIES
TO EMPLOYEES
REPORTED UNDER **RIDDOR**

£14.3 BILLION ESTIMATED COST OF INJURIES
AND ILL HEALTH FROM CURRENT WORKING CONDITIONS

Source: <http://www.hse.gov.uk/statistics/index.htm>



ON THE EVENING OF 20 APRIL 2010, A GAS RELEASE AND SUBSEQUENT EXPLOSION OCCURRED ON THE DEEPWATER HORIZON OIL RIG WORKING ON THE MACONDO EXPLORATION WELL FOR BP IN THE GULF OF MEXICO.

The fire burned for 36 hours before the rig sank, and hydrocarbons leaked into the Gulf of Mexico before the well was closed and sealed.

The accident involved a well integrity failure, followed by a loss of hydrostatic control of the well. This was followed by a failure to control the flow from the well with the blowout preventer (BOP) equipment, which allowed the release and subsequent ignition of hydrocarbons. Ultimately, the BOP emergency functions failed to seal the well after the initial explosions.

Resources lost from the Deepwater Horizon Oil Spill could have...



FUELED A CAR FOR
175,175 YEARS

[WHICH EQUALS]

5,971,875 TANKS

[WHICH EQUALS]

95,550,000
GALLONS OF GAS



FUELED A JET FOR
3,920,000 MILES

[WHICH EQUALS]

157 TRIPS AROUND THE GLOBE

[WHICH EQUALS]

19,600,000 GALLONS OF JET FUEL



BOUGHT
5,800 WIND TURBINES

[WHICH COULD POWER]

2,101,449 HOMES FOR A YEAR [OR] **7.9 BILLION** MILES AN ELECTRIC CAR FOR

[WHICH EQUALS]

\$11,600,000,000



3rd Annual Health, Safety & Environment for Energy Sector 2016

3 Day Master Class

 7th - 9th November 2016

 Hotel Sheraton Dubai Creek & Towers, Dubai

OVERVIEW

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LEARNING OBJECTIVES

- Opportunity to reflect on HSE challenges and approaches adopted in different parts of the sector; and to identify opportunities to adopt and adapt
- Gain a clear understanding of the critical components and factors necessary for the successful management of HSE in the sector
- Opportunity to reflect on how one's organisation's arrangements for managing HSE compare to a Plan.Do.Check. Inculcate the model developed by the UK Health&Safety Executive
- Opportunity to reflect on your own organisation's risk profile, risk appetite and risk capability



COURSE LEADER

Peter Haynes is a highly acclaimed Chartered HSE professional and consultant with over 35 years of experience in disciplined operations of manufacturing, safety, and engineering across industries including the oil and gas, chemical, mining, and power. At Amoco, he led a 12 month performance turnaround of an ageing gas asset in the UK Southern Northern Sea, for which his team received a Chairman's Award. Latterly, this involved 11 years 'at the sharp end' as an Offshore Installation Manager for BP in the North Sea. In this role he achieved a track record for both safe and reliable operations, successful execution of brownfield projects and engaging the workforce in meeting challenging targets for production, HSE performance and cost management.

During his time in operations management he developed his ideas on safety leadership and workforce engagement, as well as to why many programmes for improving performance fail to deliver. He also worked to breakdown the silos that seemed to self-generate within team of a single organisation and strove to ensure that the learnings from incidents were shared across the organisation and were reflected in improved arrangements for accident prevention. He has delivered successful programmes to a wide range of groups from Company Boards, to middle managers, site controllers, first level leaders and safety representatives all across Asia Pacific & Middle East as well as in Africa, China, India, Australia, Mexico, Malaysia, Thailand & Singapore. Blending theory, practical advice and in-depth solid expertise, in how to prevent serious incidents through a proactive Health, Safety, and Environment (HSE) strategy is unsurpassed.

Quest Masterclass

Founded in 2002 in Singapore and with 8 offices in Asia, Quest Masterclass is a leading consulting and training company helping organizations and individuals achieve their goals by sharing knowledge and insights gained by experienced Quest professionals and other industry experts. Our Master Class training sessions combine the best in research; expert trainer and excellent delivery thus providing attendees opportunity learn from the practitioners and develop lasting networks with fellow successful professionals.



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