

PetroSkills®

HSE HEALTH, SAFETY, ENVIRONMENT

TRAINING TO ALIGN BUSINESS WITH HEALTH,
SAFETY AND ENVIRONMENTAL OBJECTIVES



NEW

PROCESS SAFETY DESIGN

**HSE PROFESSIONAL
DEVELOPMENT 'LADDER'**

**UPDATED HSE COMPETENCE
MAPS**

PETROSKILLS OFFERS HEALTH, SAFETY, ENVIRONMENT AND HSE MANAGEMENT TO ITS UNIQUE COMPETENCE TRAINING PROGRAM.

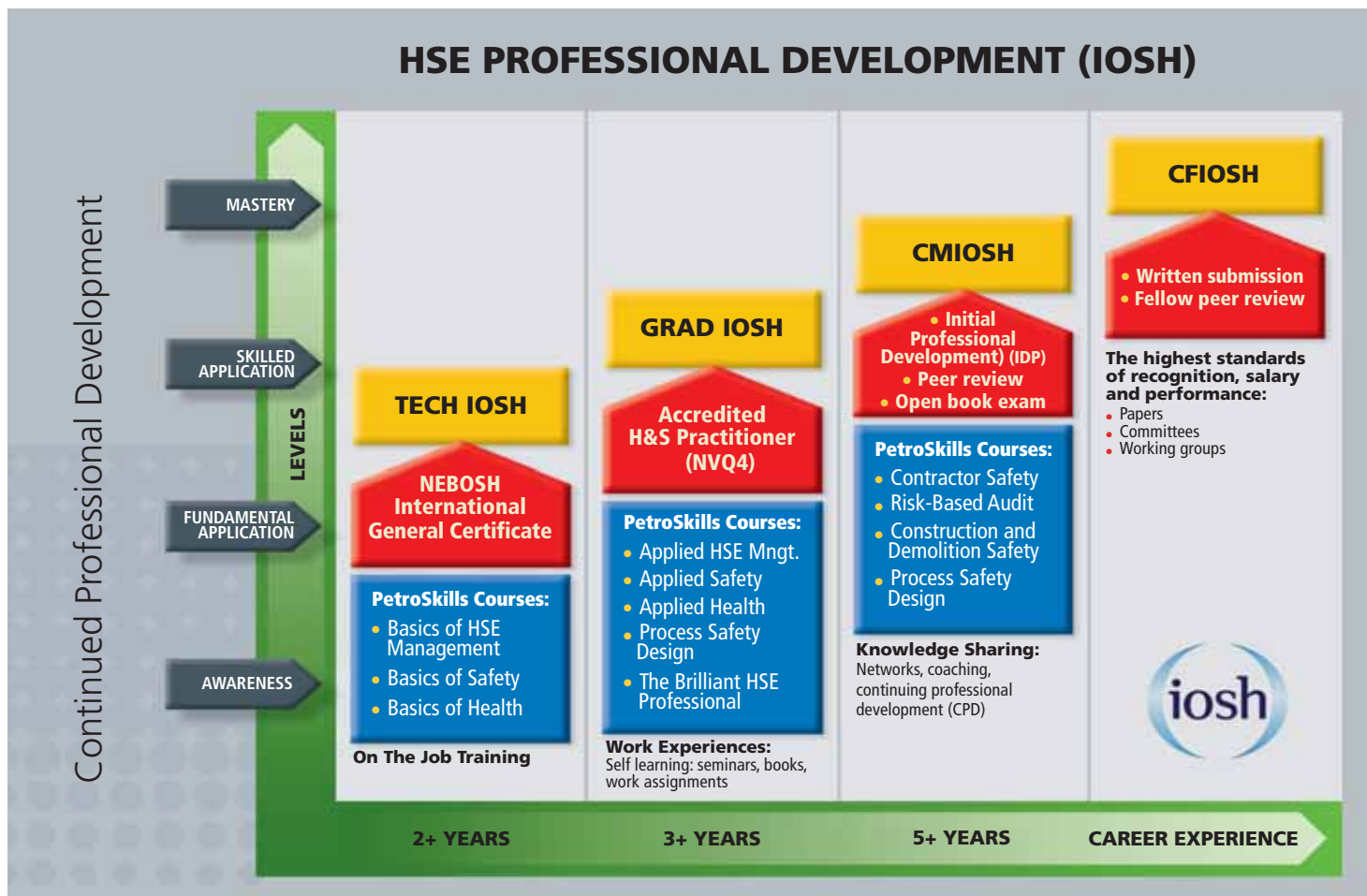
COMPETENCE-BASED TRAINING

PetroSkills offers a unique learning and development program from 'awareness' to internationally recognized qualifications – not just a collection of courses. Course content is based on detailed skill and competency maps, developed and maintained through our member companies to keep them practical and current. Four HSE maps are applicable for all professionals in both upstream and downstream sectors: HSE Management, Safety, Health and Environment

Skill	Awareness	Fundamental Application	Skilled Application	Mastery
HSE Leadership and Commitment	1. Describe the business case for effective HSE management, the needs of various stakeholders (both internal and external) and the role of HSE. 2. Describe the core business functions, risks and associated HSE requirements.	1. Describe the key behaviors and knowledge required for developing an effective HSE culture, and the challenges involved. 2. Define a strategy, and assess the risks of implementing HSE within the business.	1. Develop and implement the organization's HSE management system. 2. Develop HSE training and development plans. 3. Lead problem solving activities.	1. Create a high performance culture which promotes HSE performance. 2. Develop ways to monitor and improve HSE culture within the organization.
HSE Policy and Strategic Objectives	1. Describe the organization's HSE Policy and Commitments and the implications for business operations (both upstream and downstream). 2. Define requirements for personal performance of the individual HSE.	1. Assess the business case for HSE and Sustainable Development. 2. Develop the main strategies to address and manage a range of HSE risks and the responsibilities of the HSE Policy and Commitments for an organization.	1. Develop and implement clear objectives and targets, which cascade from Strategic HSE Objectives. 2. Develop and implement plans to meet HSE and improve process in each organization which requires it.	1. Establish Business units/ business functions which meet HSE Policy. 2. Provide solutions to unusual and complex problems with significant business impact during.
Organisation, Responsibilities, Resources and HSE Requirements	1. Describe the structure, functions and systems used for HSE management in the organization and the HSE management system HSE. 2. Identify the key responsibilities of HSE.	1. Assess the organization and resources for HSE management. 2. Establish clear HSE responsibilities, roles of the people in the organization and how HSE-related information is managed.	1. Establish and maintain resources for effective HSE management (through, support and monitor HSE related competence of staff). 2. Select, recruit and train staff to meet the organization's HSE requirements.	1. Lead and influence others to ensure HSE management is embedded in the organization's operations. 2. Monitor HSE performance and ensure it meets the organization's requirements.
Risk Assessment and Management	1. Describe the aims and objectives of managing risk. 2. Explain the process and techniques used to identify, analyse and manage risk associated with the business, including internal and external.	1. Develop the risk assessment system that will be used in the business. 2. Explain the key elements of the assessment process and the role of HSE in the process.	1. Develop and implement the assessment system to a business. 2. Monitor the system to ensure it remains effective and up to date. 3. Participate in a team to develop the system.	1. Lead the process to ensure the assessment system is integrated into the business and is used to manage risk effectively. 2. Monitor the system to ensure it remains effective and up to date. 3. Participate in a team to develop the system.
Security (Excluding IT security measures and business integrity issues)	1. Define the processes of the company's security systems, the role of HSE in the system and the local security measures associated with the business. 2. Describe the different levels of HSE in the business.	1. Assess the assessment of security risks to the organization and the local security measures in place. 2. Develop the security system and the local security measures in place. 3. Participate in a team to develop the system.	1. Develop the security system to a business. 2. Monitor the system to ensure it remains effective and up to date. 3. Participate in a team to develop the system.	1. Lead the process to ensure the security system is integrated into the business and is used to manage risk effectively. 2. Monitor the system to ensure it remains effective and up to date. 3. Participate in a team to develop the system.
Emergency	1. Describe the different levels of HSE in the business.	1. Describe the role, responsibilities and key actions of the organization.	1. Develop and implement the organization's HSE management system to a business.	1. Lead the process to ensure the organization's HSE management system is integrated into the business and is used to manage risk effectively.

HSE PROFESSIONAL DEVELOPMENT 'LADDERS'

One of the programs that support HSE professional development (as shown below), is the Institute of Occupational Safety and Health (IOSH) – the world's largest professional membership body for health and safety practitioners. A similar ladder is available for environmental professional development through IEMA - the Institute of Environmental Management & Assessment. www.iosh.co.uk / www.iema.net



quality courses and instructors – conveniently and frequently.

2011 PROGRAM

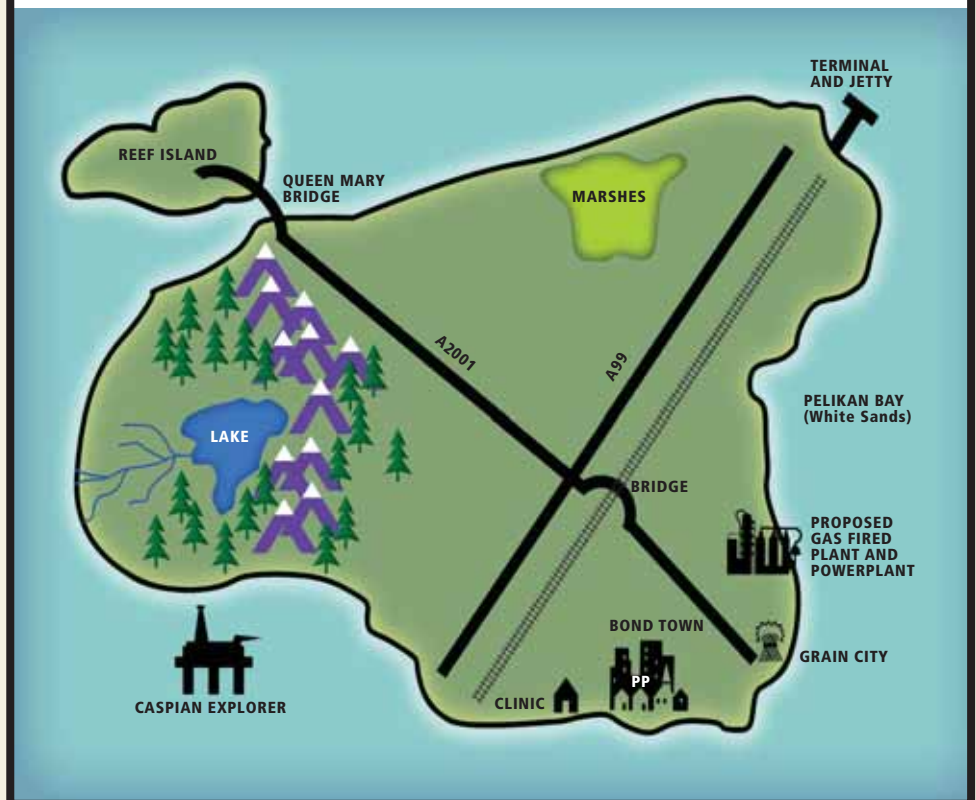
- Basic courses in Health, Safety, Environment and HSE Management for personnel new to HSE
- Foundation courses in Health, Safety, Environment and HSE Management for personnel responsible for implementing, executing and/or supporting HSE
- IOSH and IEMA Accredited programs for H&S and Environmental professionals
- NEBOSH International General Certificate
- NEBOSH Environmental Management Certificate
- Risk based process safety
- Process safety design
- Contractor Safety Management
- Construction and demolition safety
- Risk based auditing for IRCA Lead Auditor



FULL COURSE DETAILS AND SCHEDULE ARE AVAILABLE AT www.petroskills.com

Petros Barola

A fictitious but highly-authentic case study is used to challenge participants to apply their knowledge across a range of scenarios in our Applied and specialist courses. Practical exercises, problem solving, and meetings with Petros employees at all levels makes one feel that you have actually worked on the island of Barola.



PROFESSIONAL DEVELOPMENT BY APPLIED LEARNING

- **ACCREDITED HEALTH & SAFETY PRACTITIONER: NVQ LEVEL 4 (TO CMIOSH)- HS70**
- **ACCREDITED ENVIRONMENTAL PRACTITIONER: IEMA ASSOCIATE CERTIFICATE (TO IEMA) - HS71**

- For practicing HS&E professionals
- Mentored and perfectly blended to balance one-to-one learning with work-based evidence
- Supports professional development to CMIOSH and IEMA (with reciprocity agreements with other national bodies)
- Duration is typically twelve months for health and safety program and nine months for environment program
- Flexible - you can start the program at any time

"Now I am a GradIOSH because of PetroSkills' help, and right on track for Chartered membership – CMIOSH".
– CHINA

"I strongly recommend the Accredited Environmental program to all who want to specialize in the environment."
– ROMANIA (COMPLETED WHILST ON MATERNITY LEAVE)

"The Accredited Program is helping me implement the EMS for our company"
– NETHERLANDS

PetroSkills offers HSE in-house and public courses. Taught wherever you want, whenever you want, however you want.

Contact PetroSkills HSE...

• If you have a need for an in-house course or would like a public course located in your region.



The power behind PetroSkills HSE is the alliance itself.



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Stephen is the best-selling author of over thirty risk management books, journal articles and conference papers; and course director for our safety and HSE management programs. Stephen is a Chartered Safety & Health Practitioner, a Chartered Environmentalist, and a Professional Member of the American Society of Safety Engineers (ASSE) with over 25 years risk management experience gained working both in consultancy and the London insurance market.



Richard Ball
Richard is a dynamic and highly experienced HSE specialist, and published author. He leads our Environmental Practitioner/ Applied Learning course HS-71 and delivers all the HSE management programs. He is a Chartered Safety and Health Practitioner, and a Full Member of the Institute of Environmental Management and Assessment (MIEMA).



Andrew Arkinstall
Andrew is a Chartered Safety and Health Practitioner (CMIOSH) with over fifteen years of experience in all areas of occupational safety and health, and technical auditing. He is the Head of Training with PetroSkills HSE partner CRS (Corporate Risk Systems Limited), and the course leader for the PetroSkills HS-70 'Accredited Health and Safety Practitioner' course.

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