



GWIJIAFRICA



THREE
DAY VIRTUAL
COURSE



SUSTAINABILITY VIA PROCESS SAFETY MANAGEMENT INCLUDING EMOTIONAL INTELLIGENCE

YOUR COURSE GWIJI



Dr. James Watterson
Professional Management
Consultant

KEY TOPICS

- ➔ Understanding sneak analysis (to maintain absolute sustainability of the rotating equipment).
- ➔ Monitoring tools for process safety management & ensuring sustainability is maintained.
- ➔ PSM – additional aspects to ensure sustainability (a safer and cleaner production/process).
- ➔ Emotional intelligence in the workplace.



Overview and objectives of the 3 day course

This short course will set out clearly the importance of Process Safety Management and the essential ingredient of Sustainability, without this input the refinery will cease to operate as a cleaner and safer process. We also look at the theory and practice of Emotional Intelligence. The Institute of Sustainability were forced into Administration, a group name BRE – Building Research Establishment funded by the UK government stepped in and bought the key assets.

Sustainability simply means – ensuring we have a better quality of life now and the future, and to provide for a safe workplace, a cleaner and safer production. But without a strong and effective Process Safety Management in place it would not cope alone.

“What does “Sustainability mean in business? Usually generally addresses two main categories: -

- The effect business has on the environment.
- The effect business has on our society.

We shall also be observing sustainability in the following industries:

- Oil & Gas Refinery sector
- The Petrochemical Sector
- The Power Plant
- Fertilizer Manufacture Plant

Meet the course gwiji



Dr. James Watterson

Professional Management
Consultant

James is a highly experienced professional management consultant and lead trainer with over 35 years' experience in various disciplines: Engineering, Maintenance, Marketing, Project and Contract Management in geographies spanning Ireland, UK, Australia, USA, Canada, UAE, India, Pakistan, Iran, Qatar, Saudi Arabia, Ghana, Kuwait, Oman, Trinidad & Tobago, Kuala Lumpur, Bahrain, Sarawak, Libya, Algeria, Nigeria amongst others.

He is a renowned and much respected technical author with titles to his name being:

- Diagnostic Skills
- Rotating Equipment: Maintenance and Troubleshooting
- Tribology: A Simple Guide To The Study of Friction
- A Simple Guide to Understanding Compressors

Professional Memberships:

- Fellow of the Institute of Operation's Management
- Fellow of the Royal Graphical Society
- Member of British Institute of Management
- Chartered Member of the Institute of Logistics & Transport
- Member of the American Society for Quality

Global conglomerates that have benefited from Dr. James' expertise include but not limited to:

- ADCO
- ADMA-OPCO
- ARAMCO
- BP-SARAWAK
- CRISTAL
- DEWA
- ENI-GAS
- GASCO
- KUWAIT-KPC
- NIGERIA LNG
- OMAN GAS CORP
- OMAN LNG
- OMAN OCCIDENTIAL
- OMAN RPC
- PRICE WATERHOUSE
- COOPERS
- QP-QATAR
- RASCO OIL
- SABIC INDUSTRIES
- SEC
- SIRTE OIL
- SWEA
- TAKREER
- WAHA OIL
- ZADCO
- ZUETINA

Click here & register



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COURSE OUTLINE



Sustainability Outlook

CEOSpeak
India's
Sustainability
Pathway to
2040

Featuring

Yes Bank

Volkswagen

Infosys

Dell

Image Source: Wikimedia Commons

 **Day One**
8th Dec 2021

Featuring:

- Oil & Gas Refinery
- Petrochemical
- Power-Plant
- Fertilizer Plant

Introduction to PSM and its origins and goals

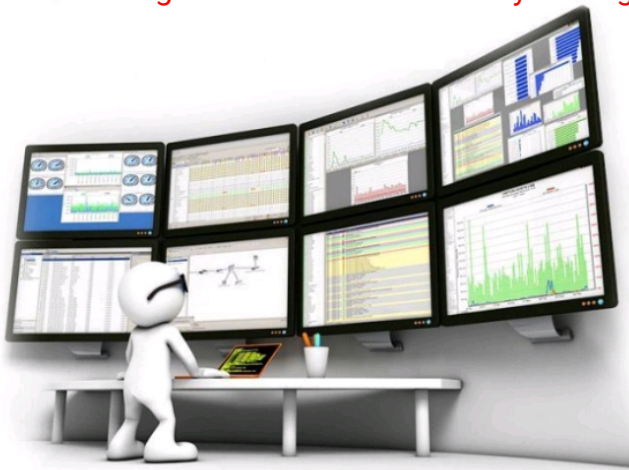
- ➔ Elements of PSM
- ➔ Human error basics
- ➔ Overview of PSM Standards
- ➔ Understanding Sustainability!

Understanding Sneak Analysis (To maintain absolute Sustainability of the Rotating Equipment)

- ➔ Identifying design errors in the process system
- ➔ SA works best when applied in conjunction with HAZOP
- ➔ Sneak Flow2 is the unintended transfer of material and energy (watch DVD BP Texas City Disaster)
- ➔ Deepwater Horizon (BP)
- ➔ Risk Analysis and prevention



Monitoring Tools for Process Safety Management & Ensuring Sustainability is maintained



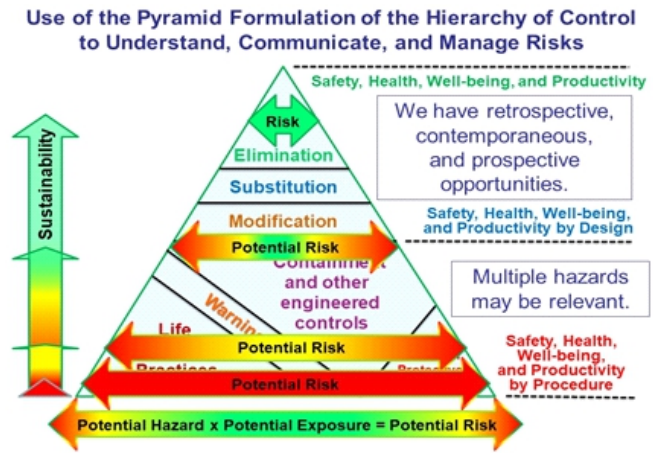
- ➔ FMEA Analysis
- ➔ PARETO Analysis 80/20 Rule
- ➔ Cause & Effect Charts
- ➔ RCA/RCFA
- ➔ Sustainability Spider Charts
- ➔ BBS Behavior Based Safety
- ➔ Benchmarking

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Day Two

9th Dec 2021



Approach and control of hazards – overview and the 5 methods of control to maintain sustainability measures

- ➔ Eliminate
- ➔ Substitution
- ➔ Engineering controls
- ➔ Administration controls
- ➔ PPE

PSM – Additional aspects to ensure eustainability (A safer and cleaner production/process)

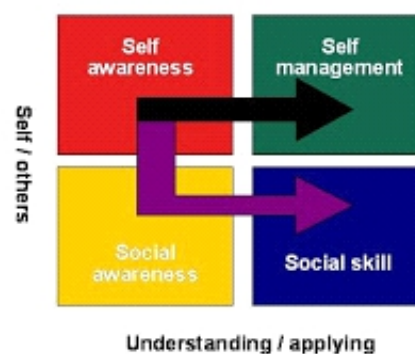
- ➔ Hot work permit/safe work/Confined space –watch DVD to explain
- ➔ Safety Audits & Inspection/Emergency planning & Response
- ➔ Shutdown/Start-Up Safety Issues
- ➔ Contractors
- ➔ Process Hazards Analysis
- ➔ Mechanical integrity



Day Three

10th Dec 2021

Emotional Intelligence Model



Emotional Intelligence in The Workplace

- ➔ Why should I care about Emotional Intelligence at Work?
- ➔ The Importance of Emotional Intelligence
- ➔ The Types of Emotions
- ➔ The Key Skills required to develop upon EI
- ➔ Tactics to Manage Emotions

Training Method & Support

- ➔ Fully comprehensive manual
- ➔ Supporting Power Point Presentation
- ➔ Safety videos:
- ➔ Case studies for HAZOP/HAZID
- ➔ Group study

Click here & register



1,000\$
per delegate
Maximum 12 participants

**Register
Online**

+ 16% VAT where applicable

This course is available as a public and in-house and is delivered as a LVT- Live Virtual Training from December 8th - December 10th

Click here & register



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