

HUMAN FACTORS WORKSHOP



26 – 27 April 2017 | The Westin Abu Dhabi, UAE

Human Factors (HF) is critical to sustaining Environmental, Health and Safety (EHS) performance of the chemicals and petrochemicals industry. Human Factors builds on scientific research and learnings from numerous major incident investigations across industries ranging from aviation and nuclear power to oil and gas, chemicals and healthcare. A body of knowledge, techniques and practical approaches are available that can be effective both in reducing risk of ‘human error’ and maximizing human performance and efficiency. Industry leaders and professionals have yet to fully comprehend the benefits and apply HF techniques that can provide a transformation in EHS performance in all aspects of our business such as design, construction, operation and product supply chain.

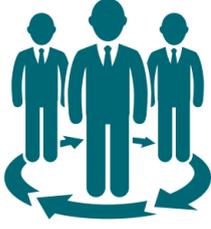
This workshop presents a holistic perspective of the contribution that Human Factors can make, throughout the lifecycle of the industry.

You will hear from leading Human Factors and Behavior Based Safety experts, engineering, procurement and construction companies, consultants and global and regional companies who have applied proven solutions to maximize the benefits of Human Factors.



Key topics:

- Integrating technical Human Factors concepts in facility designs
- Addressing human behavior during the construction period
- Building safety culture in a multi-cultural environment
- The role of a Leader in building sustained safety performance
- Understanding Human Factor challenges and opportunities in manufacturing and logistics operations
- Understand how to identify and address the contribution of Human Factors in incidents



Who should attend?

This workshop has been designed for projects, operations and logistics industry leaders and professionals who wish to understand how Human Factors can have a sustained positive safety contribution within their companies, and the industry as a whole.

CONFIRMED SPEAKERS

The workshop program will include three renowned international experts, who are equipped with the latest academia perspectives combined with significant global industry application experience.



Professor Ron McLeod
Independent Consultant and Professor of Human Factors

Professor McLeod has more than 35 years experience as a Human Factors specialist working in industries ranging from defence and aerospace to nuclear power and oil and gas, where he was the Human Factors Global Discipline Lead for Royal Dutch Shell.

Professor McLeod has authored a number of publications including his book ‘Designing for Human Reliability’.



Tom Keane
Managing Director, Ethos Empowerment

Tom has over 25 years experience in Safety Leadership, providing industry leaders with the skills to risk assess, improve behavioural safety and investigate incidents to ensure individual and organizational learning.

His contribution has influenced leaders to make decisions that measurably improve safety performance.



Ian Hamilton
Global Head of Human Factors in ERM

Ian is a Human Factors professional with over 30 years of international experience in multiple industries, specializing in Human Factors integration into major projects and operational assurance.

His technical capabilities include a detailed understanding of skilled performance in safety critical tasks.

PROGRAM

Day 1 – Wednesday, 26 April 2017

Session one:	
8:00 – 9:00	Registration
9:00 – 9:20	Opening address Alan Izzard, GPCA
9:20 – 9:50	Human Factors in barrier management Prof. Ron McLeod, Ron McLeod Ltd
9:50 – 10:20	Considering human performance in a barrier management plan Ian Hamilton, ERM
10:20 – 10:50	Behavioral safety essentials to reduce both human error and intentional unsafe behaviors Tom Keane, Ethos Empowerment
10:50 – 11:10	Networking Break
Session two:	
11:10 – 11:40	Human performance implementation – Case study Esam Z. Majrashi, Maaden
11:40 - 12:25	From safety I to safety II (Presentation and exercise) Prof. Ron McLeod, Ron McLeod Ltd
12:25 – 1:40	Lunch and prayer
Session three:	
1:40 – 2:10	Styles of thinking, cognitive bias and real-time decision making Prof. Ron McLeod, Ron McLeod Ltd
2:10 – 2:40	Safety leadership and safety management systems and their connection to safety culture and Human Factors Tom Keane, Ethos Empowerment
2:40 – 3:10	Organizational integrity: When behavioral based safety isn’t enough Ian Hamilton, ERM
3:10 – 3:40	Safety culture models – Measuring baseline, climate vs culture, do they work, benefits Andrew Blue, Lloyds Register
3:40 – 4:00	Contractor performance – Raising the bar Frederick Rengers, WTS Energy

Day 2 – Thursday, 27 April 2017

Session one:	
9:00 – 9:10	Introduction Kashif Rasheed, GPCA
9:10 – 9:40	Importance of BBS in logistics operations Richard Heath and Ali Fattal, Alfred Talke
9:40 – 10:10	Major hazards in logistics operations and common unsafe behaviors Amador Brinkman, Al Majdouie
10:10 – 10:30	Beyond injury free (Sadara case study) Sliman Abufadl, Sadara
10:30 – 10:50	HF contribution to SABIC project success Ali Al Zahrani, SABIC
10:50 – 11:10	Networking break
Session two:	
11:10 – 12:10	Clarifying the language of risk and understanding why people take unnecessary risk – Presentation and exercise Tom Keane, Ethos Empowerment
12:10 – 12:30	Manufacturer perspective on Human Factors design integration Abdulaziz Al Abdullah, Tasnee
12:30 – 1:45	Lunch and prayer
Session three:	
1:45 – 2:15	Human Factors engineering in capital projects Prof. Ron McLeod, Ron McLeod Ltd
2:15 – 2:40	Human Factors during project design Fearghal Cunningham, Fluor
2:40 – 3:00	People Based Safety (PBS) program - Implementation at ATA project Ms. Debbie Brown, Bechtel
3:00 – 3:30	Human Factors and root cause analysis Tom Keane, Ethos Empowerment
3:30 – 4:00	What’s next for Human Factors – Brainstorm and feedback All