

MIDDLE EAST FIRE AND SAFETY CONFERENCE 2010

"Creating a safe, accident-free working environment"

27th - 28th September 2010, Dubai, U.A.E.

OUR EXPERT SPEAKER PANEL

Abu Dhabi Civil Defence (Invited)
Dubai Civil Defence (Invited)
Dubai Police (Invited)
Nabeel Ali, Emirates National Oil Company (ENOC)
 Chief Fire and Safety Compliance Officer
Kaushik Roy, Kuwait Oil Company
 Senior Fire Engineer
Surojit Kundu, Kuwait Oil Company
 Process Engineer
Khalid Almqeemi, Department of Transport Abu Dhabi
 Director Health, Safety and Environment Section
Ahmed Khalil, BAPCO
 HSE Manager
Robert Riley, Dutoch Balfour Beatty
 Divisional Safety Manager-QHSE
Varadendra Koti, Reliance Jamnagar Refinery
 VP-Fire
Dr. Ahmed Jaheen, SCADIA
 Design Manager
John Green, Laing O'Rourke
 Director-HSE
John Milligan, Atkins
 Associate Director-HSE
Wayne Harris, Qatar Project Management
 Director-HSE
Trent Fearnley, Seacor Environmental Services Middle East
 Senior Fire Engineer
Barry Bell, Wagner Consulting
 General Manager-Middle East
Firoze Zia Hussain, Totem International Ltd
 Chief Executive Officer

EVENT OVERVIEW

It is estimated that 70% of all workplace accidents could be prevented if organisations put in place proper safety control measures. However, the driving force for a strong corporate safety culture must come from the top and flow throughout the organisation.

Fire Safety is one of the key features that come into picture when discussing Safety in a working culture. A study suggests that most of the accidents can be prevented if a proactive approach is observed by all the people involved in a project. Fire Safety is a joint approach and works best with all the relevant entities performing their roles effectively. The government particularly working on the design and architectural issues before licensing the project, the industry leader, contractors and sub-contractors abiding by the safety regulations along with the finest fire safety models and technologies, can evade the loss of human assets and property to disasters.

Therefore, this conference on **"Fire and Safety"** will focus on the codes and practices, along with the latest technologies available with case studies from the past. Hence attending this event will provide an excellent platform for discussing issues related to Fire Safety.

Topics Covered:

- ▶ Codes and Practices
- ▶ Architectural Designing
- ▶ Technological Advancement
- ▶ Emergency Response Planning

VENDOR TARGET AUDIENCE

Consultants, Manufacturers, Safety & Security Display Products, Access Control Devices, CCTV Surveillance Systems, De-Bugging Devices, Escape and Emergency Route Lightning Systems, Explosives Detection and Disposal, Factories and Hospitals Security Devices, Fire Alarm and Fire Fighting Equipment, Fire Extinguishing Chemicals Providers, Exporters, Suppliers and Contractors in area of Fire.

WHO SHOULD ATTEND

Chief/Director/Head/Manager/Senior Manager/Team Leader/Advisor: Health Safety and Environment, Fire Safety, Fire Engineering, Safety Culture, Integrated Management Systems (IMS), Fire Protection, Occupational Safety, Safety Department

VALUED ADVISORY COMMITTEE

Nabeel Ali, Emirates National Oil Company
 Chief Fire & Safety Officer
Dr. Dheeraj Lal Radadiya, ADNOC
 HSE Advisor
Patrick Thomas, Besix
 Deputy IMS Manager
Peter Van Gorp, Ramboll Middle East
 Fire Engineer
Faimeen Shah, Exova Warrington Consulting Middle East Ltd.
 Fire Safety Manager
Matthew Bishop, Saudi Aramco
 Senior Fire Protection Engineer

INDUSTRIES INVOLVED

Government Sector • Oil and Gas • Construction and Architectural Design Firms • Hospitality Industry

Silver Sponsor:



Associate Sponsors:



Supporting Association:





Day 1: 27th September 2010, Monday

8.30 Registration and Coffee

9.00 Opening Remarks by the Chair

▶ Session 1: Codes and Standards

9.10 Emphasizing the importance of Fire Safety in the region

- Building and investing in a safer future
- Eliminating the mindset that HSE is a cost centre and takes up too much time and efforts
- How can you safe guide your human assets as well as the property assets from these risks

Dubai Civil Defence (*Invited*)

9.50 Application of relevant code/value engineering

- Managing your health and safety risk through OHSAS:18001
- Applications of construction safety programmes and best practices
- Concept and implementation of JSHAC

10.30 Morning Coffee and Networking

11.00 Standardizing the regulations in the UAE

- Checking on the plans and processes of architectural designing
- Implementing a fire engineer from the beginning of the execution of the project
- Having a standardised regulation for all architectural designs

Abu Dhabi Civil Defence (*Invited*)

11.40 The Important of Fire Fighting Equipment Adequacy Test

- What is Fire Fighting Adequacy Test
- The important of Adequacy Test and why we conduct it
- Testing of fire fighting system in a petroleum installation
- Various Tests to be conducted on each component of fire fighting system to confirm its Integrity and Reliability
- Case Study on conducting an effective Mock Drill " Joint Fire Drill"

Nabeel Ali, Emirates National Oil Company
Chief Fire and Safety Compliance Officer

12.20 Interactive Panel Discussion featuring speakers from the Morning Session:

- What are the challenges that the organisations face in sustaining a proactive safety culture?
- What are the key success factors to turn safety culture from page to practise?
- How to achieve safety with multicultural/ multinational workforce?
- Competence Based Training.... Is Attendance No Longer Enough?

13.00 Prayer Break and Luncheon

▶ Session 2: Architectural Designing

14.00 The application of the performance-based approach towards design and analysis of problems

- Fire Safety Engineering, how important it is?
- Introducing and adopting best global practices to the region, and utilizing the performance-based approach to ensure higher fire safety standards in an effort to position the UAE construction industry as a centre of excellence
- Interface Management to heightened awareness in the construction industry of risk exposure in construction projects and insurance protection available based on engineering solution to establish the necessary fire safety strategy.

Dr. Ahmed Jaheen, SCADIA
Design Manager

14.40 Measurement techniques for authenticating tunnel ventilations air flows for metro systems- Dubai Metro Case Study

- Featured with one of the most early signalling and detecting techniques for fire
- Usage of fibre optics for faster transmission of signals to stations
- Voice evacuation and integrated fire alarm systems
- Evacuation team for faster response to emergencies

Dubai Police

Director for Public Transport Security (*Invited*)

15.20 Afternoon Coffee and Networking

15.50 Realistic designs for Fire Prevention in the ever evolving construction industry in the Middle East

- Outline and Practical Tips on compliance with the labyrinth of Laws, Regulations in GCC Countries.
- Common pit falls
- The consequences of getting it wrong
- Minimum Acceptable Standards –V- Best Practice
- Where to seek advise – outline of BSU

Robert Riley, Dutco Balfour Beatty
Divisional Safety Manager-QHSE

16.30 Performance and Behaviours on construction Sites

- How to help the contractors' standards rise to the requirements
- Assisting the contractors' knowledge and competency development through education programmes
- Encouraging contractors to understand the risk assessment process and conducting a type of risk assessment for each job
- Contractor safety appraisal system

John Green, Laing O'Rourke
Director-HSE

17.10 Interactive Panel discussion featuring Speakers from the Afternoon Session

How can we effectively manage multi-party projects with multiple contractors and multiple HSE standards?

17.40 Closing Remarks from the Chair

Speakers and Delegates are invited for a

Networking Cocktail Reception



Day 2: 28th September 2010, Tuesday

8.30 Registration and Coffee

9.00 Opening Remarks from the Chair

▶ Session 3: Technological Advancement

9.10 Inherent Process Safety in Design

- Developing a sustainable process safety model
- Incorporating process safety model into the design
- Discussing the best practices available

Kaushik Roy, Kuwait Oil Company
Senior Fire Engineer

Surojit Kundu, Kuwait Oil Company
Process Engineer

9.50 Fire Safety Integration within Construction and Operational facilities

- Fire safety management linking strategic gateways from construction to operational
- Establishing standards in line with regional and industry best practices
- Future trends and advancements within Fire Safety in buildings

Wayne Harris, Qatar Project Management
Director-HSE

10.30 Morning Coffee and Networking

11.00 Fire prevention technology & occupational health risks

- What is fire prevention technology
- What are the risks – the human factor
- Understanding simulated altitude Hypoxia in a fire prevention philosophy
- Recommendations for hypobaric workplace safety

Barry Bell, Wagner Consulting
General Manager-Middle East

11.40 Site Wide Fire Strategy

- What is a site wide fire strategy?
- What does it encompass?
- How does it benefit the Client and the public?
- How does it benefit the Civil Defence Authorities?
- Can they be a tool for the future?

Trent Fearnley, Seacor Environmental Services Middle East
Senior Fire Engineer

12.20 Interactive Panel Discussion featuring speakers from the morning session

- Ergonomics : weighing the costs & benefits
- Work related/workplace suicides
- Workplace violence - how widespread is the problem?

13.00 Prayer Break and Luncheon

▶ Session 4: Emergency Response Planning

14.00 Planning for Mass Evacuations

- Early detection of a crisis
- Developing effective evacuation strategies
- Frequent drills of the teams in order to have an effective on site task performed to minimise the loss due to a fire breakout

Varadendra Koti, Reliance Jamnagar Refinery
VP-Fire

14.40 BAPCO accident investigation system

- Bapco Experiences in Incident Investigations
- Bapco Incident Investigation Standard
- Incident Announcement and Investigation Process
- Incident Classification
- Incident Investigation methods adopted by Bapco
- Root Cause Analysis (Tap Root methodology)
- Contractors Incidents investigation

Ahmed Khalil, BAPCO
Manager-HSE

15.20 Afternoon Coffee and Networking

15.50 Disaster/Emergency Management and Business Continuity Programs

- Managing a disaster effectively in order to minimize the loss of human capital and property
- Developing a swift continuity plan
- Learning from experiences

Khalid Almqeemi, Department of Transport-Abu Dhabi
VP-HSE Director-Health, Safety and Environment Section

16.30 Successful Process Safety Management Model

- Pre approve and manage contractor performance
- Assessing a suitable process safety management model based on the requirements and priorities
- Best practices in creating a process safety management process

John Milligan, Atkins
Associate Director-HSE

17.10 Interactive Panel Discussion featuring speakers from the afternoon session

- Communicating risk to the workforce and securing staff buy in
- Risk management begins with culture – how to instil this philosophy?
- Process Safety Management vs. Behavioural Safety Management?

17.40 Closing Remarks from the chair and End of Conference

Post-Conference Workshops



29th September 2010, Wednesday

▶ 9.00 Workshop A

INHIBITING SPECIALISED FIRE SAFETY TRAININGS IN ORGANIZATIONS

Workshop Overview:

This workshop is intended to help employees who are responsible for safety in the working places to fulfill the legal and ethical requirements. It covers regulations and responsibilities, structures in fire, human behaviour in fire, fire control, fire strategies for complex buildings and site safety. The course enables delegates to develop sound skills in issues related to the site, office and personnel in details.

Objective

- Be aware of legal and ethical fire safety responsibilities at the local and international levels.
- Understand fire safety audits, investigate hazardous incidents, and take corrective actions.
- Be aware of existing methods to reduce risk and incidents in the working and site environments.
- Recognize the potential for human error in processes.

Topics:

- Structures in fire
- Human behaviour in fire
- Fire control
- Fire strategies for complex projects
- Site safety

▶ 14.00 WORKSHOP B

EFFECTIVE FIRE DRILL TRAINING

Objective

The workshop aims to provide delegates with knowledge to improve internal fire drill and evacuation measures. A process always has to be in place in case an emergency strikes. Therefore, developing effective fire drills and evacuation plans plays an important role which helps the fire fighting teams analyse the entire evacuation plan in order to safe guard both human capital as well as property assets.

Content:

- Legislative requirements
- Fire risk assessment
- Aims of evacuation/fire drills
- Evacuation plans
- Emergency planning
- Practical evaluation of fire drill
- Feedback on fire drill





Meet Our Expert Speakers Panel

Robert W. Riley, Dutco Balfour Beatty Divisional Safety Manager-QHSE

Main Qualifications - BSc. Electrical Eng. MA Health Safety & Environmental Law. NEBOSH Diploma, IRCA LEAD Auditor 18001 2007. Manager with 25+ years of experience as Environment, Health & Safety specialist with some of the world's industry-leading construction organisations. Head of HSE Dubai and responsible for a nationwide operation of the regions leading contractor Al Habtoor Leighton Group. Responsible for projects which include some of the regions largest and most prestigious buildings. Public and private sector. Manage team of Project Safety Managers. Successful in revision and re-launch of HSE systems throughout the company resulting in proven successful step change in safety culture and a major reduction in accidents on a regional basis. Currently working on the Iris Bay, Emerald Palace Palm Jumeirah and the Business Bay Executive Towers in Dubai.

Dr. Ahmed Jaheen, SCADIA Design Manager

Dr Ahmed Jaheen builds his career-path aiming to integrate his strong academic qualifications and industrial experience to provide unique, practical as well as sustainable operational and cooperate management solutions to mega businesses and complex developments. Within a duration of 15 years of wide and extensive experience in different disciplines including the recently growing fields of fire safety and interface management, Dr Ahmed Jaheen has contributed to wide range of mega and prestigious developments worldwide, including the collapse of the World Trade Centre following the tragic attack on 9/11, Crossrail Interchange in London (£1.2bn), Al Raha Beach Development in Abu Dhabi (1.4bn AEA) and currently the breath-taking Shk Zayed Terminal at Abu Dhabi International Airport. In recognition to his fatal technical contribution in the engineering field, Dr Ahmed Jaheen has been appointed to the prestigious title of visiting professor. With more than 40 internationally recognised publications and the development of several highly complicated building codes as well as new analysis techniques and integrated management solutions, he continues his high quality contribution and development to the business development, marketing, design and construction market towards sustainable solutions.

Nabeel Ali, ENOC

Chief Fire and Safety Compliance Officer

Nabeel Holding a master degree in Mechanical Engineering with 27 year of experience. He has worked as a Maintenance Superintendent for Aden Port for 3 years. Nabeel joined ENOC in 1988 and has extensive 22 years of experience in the field of EHS, maintenance, Operations, distribution. He is Responsible for development, implementation and maintenance of the company's emergency response. He also conducts 3 days specialised training in ERP and Fire fighting of Petroleum storage tanks. Eng. Nabeel Developed a 3 days special course on handling Road tanker incident carrying hazardous chemical. He conducted this training for Oil Industries and Civil Defence Fire Officers. Heading the fire and safety, Nabeel is responsible of reviewing projects from design stage through to commissioning to ensure that they comply with the applicable EHS guidelines, codes, and standard and industry practices. He conducts risk assessment technique, for example; PHA, HAZOP or QRA. He is also team leader in conducting job safety analysis for oil and chemical industries.

Wayne Harris, Qatar Project Management

Director-HSE

Wayne presently holds the position of HSE Director within Qatar Project Management, who manages a US\$30 Billion portfolio of development projects spread over several countries. He also sits on the Board of Directors of the World Safety Organization (UN-NGO), and is the Chief Executive Officer of ISQEM. A highly regarded international specialist in developing corporate risk management systems, with over 27 years experience in health and safety within high-risk environments. Wayne has advised major organisations both private and governmental worldwide on key issues of strategy and organisational risk and safety management. Including establishing the worlds, first ISO accredited corporate health and safety department. His experience in dealing within the international arena has given him a comprehensive understanding of the global risk issues facing organisation in today's market. Wayne has held various senior corporate roles within health and safety and has sat on the Board of Directors of several companies including a Chamber of Commerce. Wayne is a Fellow of the Royal Society of Health (FRSH), Fellow of the International Safety Quality and Environment Management Association (FISQEM), Member of the Institute of Directors (MloD), Member World Safety Organisation (MWSO), and a Member of the International Institute Risk and Safety Management (MIIRSM).

Ahmed Khalil, BAPCO

Manager-HSE

Ahmed Khalil has 25 years of experience in the area of H&S at BAPCO and has worked at some overseas refineries in USA, Australia and Singapore. He holds an Msc degree in Risk Management & Safety Technology at the Aston University, UK and also a Psg Diploma in Fire safety Engineering from University of Central Lancashire. Mr. Khalil has received a certificate in Foam System Engineering from Chubb National Foam training school, US and two certificates on Fire Prevention and Fire Commanders from the Fire Service College, UK. He is a respected member of various H&S dedicated committees at both local and international level.

Barry Bell, Wagner Consulting

General Manager-Middle East

Specialised Professional Skills

- Execution of fire safety and security audits and studies.
- Development of fire protection and security philosophy for plant/building protection.
- Development of fire safety and security implementation strategies.
- Risk analysis and hazard assessment.
- Fire safety codes and standards interpretation.
- Design and engineering of fire safety and security systems.
- Management of fire safety and security projects.
- Disaster recovery management planning.

Academic Qualifications

- Bachelor of Science Electronic Engineering.
- Master of Science Fire Safety Engineering.

Professional Affiliations

- Member of the Society of Fire Protection Engineers
- Member of the Institute of Fire Prevention Officers
- Member of the National Fire Protection Association (Building Fire Safety and Aviation Services

- Section, Aviation Section & Industrial Fire Protection Section).
- Member of the National Society of Professional Engineers
- Member of the International Code Council
- Member of the International Fire Marshals Association

Trent Fearnley, Seacor Environmental Services Senior Fire Engineer

Trent is a Fire Engineer who has over 14 years' experience in the fire industry, ranging from fire-fighting to trainer to fire safety management to fire engineering design. Now based with Seacor in the Middle East, Trent was tasked with the role of developing a crew of 21 industrial fire fighters and 4 officers for the Emirates Aluminium Smelter, Abu Dhabi. He was also tasked at the same time to develop a fire engineering division for Seacor. Due to the good working relationship with his previous company, Trent was able to secure them as a main client. Trent was previously with Atkins in the Middle East. During his time at Atkins, Trent was part of the specialist team when Atkins won the Middle East MEP Award for the Specialist Consultants for 2009. Trent held the position of senior fire engineer. Prior to the Middle East, Trent was in the New Zealand Fire Service for 13 years, his last position being as a Lieutenant/Station Officer in the Fire Engineering Department. He has also held operational and fire safety positions. His qualifications include a National Diploma in Fire and Rescue Services (Urban) and Graduate Member IFE. He has since gained a Post Graduate Diploma in Building Fire Safety and Risk Engineering at Victoria University, Melbourne, and he is completing his thesis to gain a Masters of Fire Engineering. Trent's vast knowledge and experience in fire fighting to lend a different perspective to fire design in what you would call a 360 degree view. Trent has now been involved with the design of the buildings, inspection/audits of the buildings throughout their life cycle, fought the fires within buildings, investigated the cause and origin of the fire in the building and carried out post fire investigation audit on the failure of the buildings fire design and systems. This enables him to have a very realistic view when designing the fire safety strategies and fire solutions for buildings to ensure that they are simple, robust, viable, and they will add value for the client. Through the New Zealand Fire Service, Trent gained his qualification in adult teaching so that he was able to carry out training for the New Zealand Fire Service. Trent carried out on-station training of fire crews in all aspects of fire-fighting and rescue techniques and technical training of fire safety staff.

ABOUT THE SPONSORS:

ASSOCIATE SPONSOR:

SEACOR Environmental Service Middle East

SESME provides integrated industrial fire fighting and emergency response services for the oil & gas, petrochemical and other high-hazard industries on a global basis. Round-the-clock, on-site emergency response teams staffed by full-time professionals are the ideal investment to protect people, the environment and the assets at risk in all types of industrial facilities. However, for many companies emergency response is not a core activity and maintaining an in-house emergency response capability can be difficult and expensive. SESME works closely with its clients to deliver tailor-made service models to suit clients' specific operational needs. Whether called upon to provide specialist emergency management personnel or a full turnkey solution including response bases, equipment and vehicles, SESME ensures its clients are prepared for all eventualities and responds swiftly and effectively whenever emergencies occur.



ASSOCIATE SPONSOR:

Wagner Consulting Middle East

With more than ten years experience in the Middle East region, Wagner Fire Safety Management Consultants is a state licensed "House of Expertise" operating out of four offices in the United Arab Emirates. Our range of fire engineering services has taken us across the region completing a wide range of projects throughout the GCC countries, India and Iran. The services offered by Wagner FSMC range from fire risk assessment study, fire safety auditing and fire protection design in the oil and gas sector to refurbishment and upgrade of fire and life safety systems in detention centers, hospitals, industrial and commercial buildings as well as taking part in a comprehensive building inspection program that forms part of a mandatory state requirement to certify existing buildings "safe for continuous occupancy and use" on an annual basis. Wagner FSMC Engineers are permanently based in the region, with the ability to serve clients across the Middle East in all aspects of fire engineering and is a member of an international corporation established in Germany in 1976. With more than 30 years in the business, WAGNER has become a global leader in many fields of fire engineering & consultancy services.



SUPPORTING ASSOCIATION:

SFPE-SAC (Society for Fire Protection Engineers-Saudi Arabian Chapter)

The regional Saudi Arabian Chapter of SFPE was established in 2005 and it represents the international Society of Fire Protection Engineers which has headquarters in USA. The society was established in 1950 and incorporated as an independent organization in 1971. It is the professional society representing those practicing the field of fire protection engineering. The Society has over 4000 members in the United States and abroad, and over 67 chapters that advance the purposes of the Society on a local and regional level or at universities that offer programs or courses in fire protection engineering. The purpose of the chapter is to advance the science and practice of fire protection engineering and its allied fields in the region, maintain a high ethical standard among its members, and to foster fire protection engineering education in Saudi Arabia and Gulf Countries. Beside all technical activities conducted by the mother society, the chapter's activities include a series of educational technical exchange meetings, short courses, and technical conferences in order to advance the state of the art of fire protection engineering and provide technical information to the fire protection community. The Chapter hosts Bi-Annual Fire Technology Conference & Exhibition and 3rd such SFPE-SAC five day Fire Technology Conference & Exhibition, will be held in AL Khobar, Saudi Arabia during October 16-20, 2010. The Chapter supports the conductance and grading of annual Professional Engineer (P.E.) licensing exam in fire protection engineering under the auspices of the National Council of Examiners for Engineering and Surveying, USA, and Saudi Council Of Engineers (SCE). On several occasions, the SFPE has presented the Saudi Arabian Chapter with number of awards as an appreciation and recognition for its demonstrated excellence in promoting fire safety education and contributing to the needs of their members and the local Society.

