

The Big 5 Kuwait Workshops

A series of free-to-attend, practical workshops providing the latest industry trends, tools, applications and techniques for architects, interior designers, urban planners, contractors, engineers and consultants

14-16 September 2015, Kuwait International Fair

Monday, 14 September 2015

Theatre 1

12:00 – 13:00

Commissioning, recommissioning, and retro-commissioning: A triple bottom-line return on investment

Commissioning's ultimate goal is to provide an intensive quality assurance process. A well-commissioned building will be able to perform to the owner's performance requirements, meets the needs of its occupants, optimise energy and water efficiency as well as be a safe and comfortable environment. Through the process of commissioning new buildings and having a plan for re-commissioning them every few years, and retro-commissioning existing buildings, owners can achieve/enhance cost-savings. This session considers:

- Addressing system and equipment problems so as to avoid unnecessary utility bills;
- Avoiding equipment repairs and replacement costs; and
- Enhancing public health through better indoor environmental quality.

Holley Chant, Executive Director, Corporate Sustainability, KEO International Consultants

13:30 – 14:30

Renewable energy integration onto buildings: Optimisation and the impact of good HVAC design

- Fundamentals of renewable energy technologies in GCC
- Current and future renewable energy technologies for buildings
- Solar thermal, solar power and solar cooling technologies
- Optimizing HVAC design for increasing the contribution of renewable energy sources
- Integration of renewable energy systems into buildings' operations

Dr. Ioannis 'Yianni' Spanos, Senior Sustainability Manager, KEO International Consultants

15:00 – 17:00

Arbitration and dispute resolution in construction claims

- Identifying the main causes of construction disputes
- Why arbitration is a preferred dispute resolution method
- Understanding where and how to conduct arbitration
- Outlining the procedural aspects of arbitration

Simon Palmer, Partner, DLA Piper

Suzannah Newboul, Legal Director, DLA Piper

Zara Merali, Senior Legal Consultant, DLA Piper

17:30 – 20:00

Effective project management part I

This introductory level workshop is appropriate for delegates who are new to project management, have less than two years' project management experience or are just looking to brush up on the latest project management tools. Ideally, delegates will go on to attend part II of the workshop on Tuesday, 15 September. By attending, delegates will:

- Understand all of the knowledge areas and processes involved in projects
- Learn how to write a scope statement
- Develop a work breakdown structure for a project

Wael Khalil, PMO and Training Consultant, CCH; President, PMI Kuwait Chapter

Theatre 2

12:00 – 14:00

All about sustainability for C-level executives*

This workshop is aimed at C-level executives exploring sustainability opportunities for their business. Following the course, attendees will be able to:

- Establish the objectives of the company's environmental responsibilities
- Increase efficiency: Reduce waste and improve processes
- Identify metrics associated with efficiency
- Create a continuous development and monitoring program

**Please note that there is a \$300 delegate fee to attend this workshop, payable in advance.*

Mario Seneviratne, Managing Director, Green Technologies

15:00 – 16:00

New trends and innovations in interior design

- Identifying the latest trends and developments in interior design
- Exploring new products, new materials, new colors and new textures and how these can be incorporated into design concepts
- Design concept gallery: Inspiration from design innovations and real world case studies

Sebaa Orabi, Head of Discipline – Interior Design, SSH International Consulting

17:00 – 19:00

BIM modeling and applications

- Introduction to BIM and overview of BIM implementations
- Expectations of BIM process and outcomes

- Perfect process workflow: What to do and what to avoid
- Project time management using BIM
- Best practice and lessons learnt from case studies

Lord Jeffrey Puno, Architect and BIM Manager, SSH International Consulting

Tuesday, 15 September 2015

Theatre 1

12:00 – 13:00

Estimating the true life cycle cost of green building

- The concept of life cycle costing of buildings and materials and how this is key to determining the true cost of buildings
- How green building strategies contribute to life cycle cost reductions
- Real life examples of green building strategies that contribute to overall cost reduction

Loic Finlan, Senior Sustainability Manager, KEO International Consultants

13:30 – 14:30

Managing the construction phase of sustainability targets

- Understanding project priorities and constraints in order to develop the right strategy to successfully implement sustainability at construction
- Filling the gaps between different trades and specialties on site, project stages and conflicting interests to minimise the risk of making mistakes
- Providing on-site training on sustainability concepts and processes to promote easier and faster communication
- How to develop the right monitoring tools to facilitate reporting and communication of progress
- Applying an integrated development process during construction to ensure efficient sharing of information

Francesca DePetris, Sustainability Manager, KEO International Consultants

15:00 – 17:00

Health and safety in construction masterclass

- Raising health and safety awareness
- Construction site health and safety
- Introduction to contractor safety management systems
- Practicing safety when working at height
- Behaviour based safety

Stewart Cripps, HSE Coordinator, SSH Design

17:30 – 20:00

Effective project management part II

Part II of the effective project management workshop is appropriate for delegates who have attended part I of the workshop on 14 September, who have a minimum of two years' previous project management experience in the field or are just looking to brush up on the latest project management tools. Ideally, delegates will attend both parts of the project management course over the two days. By attending, delegates will:

- Identify the human resources required to efficiently achieve project delivery
- Estimate activity durations and create a network diagram
- Perform a project risk assessment
- Learn how to monitor, control, and close projects to specification, time and budget

Wael Khalil, PMO and Training Consultant, CCH; President, PMI Kuwait Chapter

Theatre 2

12:00 – 13:00

The Internet of Things: Making smart cities a reality

- A brief history of the Internet of Things (IoT)
- Defining the vision of a smart city, highlighting the dimensions to think along when approaching the design problem and presenting a simple layered model to guide the solution implementation
- Exploring the 'Services Dimension:' Experience architecture, the human-centric approach, and designing future cities around citizens
- Exploring the 'Sustainability Dimension:' Highlighting why green cities are not only the environmentally responsible choice, but also an economically-viable model and a smart business investment
- Manifestation of IoT in a smart city: How IoT plays key roles in all sectors and industries in a smart city; from manufacturing to utilities, infrastructure, FM, energy, transport, oil & gas and more

Alaa Dalghan, General Manager UAE; Director, Middle East & Africa, B&B SmartWorx

13:30 -14:30

Effective cost control in construction projects

- A more effective approach to cost control to develop the concept to the next step: Managing and/or reducing business expenses, maintaining expenses within allowed budget
- Understanding the complete process: Collecting, analyzing, summarizing and evaluating various alternative courses of action
- Highlighting cost control goals: To advise the management on the most appropriate course of action based on the cost efficiency and capability providing the detailed cost information that man-

agreement needs to control current operations and plan for the future

Afzal Ali, Accredited Trainer and Project Manager, Al Habshi Consultants Kuwait

15:00 – 17:00

Project life cycle analysis tools and applications

- Various components of projects and project management from conceptual design to project handover and through the project life cycle
- Effectiveness in construction project management
- Project life cycle
- Impact of time, cost and quality constraints in project life cycle analysis
- Understanding project life cycle analysis (PLCA) and its various components

Afzal Ali, Accredited Trainer and Project Manager, Al Habshi Consultants Kuwait

17:30 – 18:30

Leadership skills training: The 4 Cs of leadership and managing a culturally diverse workforce

Beatrice Hunt, General Manager, BE Consultants International; Director, Institute for Leadership Dynamics

19:00 – 20:00

Precast and tilt up concrete design and construction

- What is tilt up concrete?
- What is precast concrete?
- Assessing the benefits of tilt up concrete vs precast concrete
- Best practice design of tilt up concrete structures
- When should you use tilt up concrete vs precast concrete?
- Strategies in construction of tilt up and precast concrete structures

Mohammed Zaid, Design Manager, United Precast Concrete

Wednesday, 16 September 2015

Theatre 1

12:00 – 14:00

Update and overview of Kuwait's 2035 renewable energy targets

- Introduction to Kuwait's current energy system and how renewables will fit into the energy mix
- Assessing consumption patterns: Why does Kuwait need to embrace renewable energy initiatives?
- Electricity generation options in Kuwait
- Overview of the KISR Power and Water Model
- Timeline for delivery

- Opportunities for the construction sector: Future projects and challenges

Mike Wood, Consultant, Ministry of Electricity and Water

14:30 – 16:30

Key factors for constructing deep foundations

- Best practice in working safely, saving time and reducing costs on your foundations projects
- Optimising piling speed for differing drilling depths and strata
- Methods to pile quickly and effectively
- Choosing the most cost effective deep shoring system
- Building waterproof basements to minimise de-watering

Peter Titus, Managing Director, Total Foundations Solutions

17:00 – 18:00

Kuwait’s green building framework

The Kuwait Green Building Council (KGBC), member of World Green Building Council vision is to drive the transition of the Kuwait property industry towards sustainability by promoting green building programs, technologies, design and construction practices and operations. This workshop will demonstrate the green movement through a number of case studies that are being constructed in the State of Kuwait. The session will also outline the roadmap of Kuwait Green Building Council in creating Kuwait’s Green Building Rating System.

Eng. Mohammed Abdulrazzak, Vice-chairman, Technical Committee, Kuwait Green Building Council

Eng. Dina Al Nakib, Technical Committee, Kuwait Green Building Council

Theatre 2

12:00 – 13:00

Advancements in concrete durability and sustainability

- Exploring the latest innovations and developments in durability and sustainability of concrete construction
- Concrete solutions to reduce carbon emissions
- Use of recycled materials and innovations in sustainable products
- Designing durable structures
- Best practice in maintenance, repair and refurbishment of concrete

Dr. Moetaz Al Hawary, President, American Concrete Institute Kuwait Chapter

14:00 – 15:00

Innovations in concrete technologies and applications

- Low carbon-emitting innovations to improve sustainability and cost-effectiveness of concrete structures
- Cost effective concrete solutions for refurbishment and repair

- Assessing the latest advancements in concrete products and technologies

Dr. Moetaz Al Hawary, President, American Concrete Institute Kuwait Chapter

15:30 – 16:30

Cost-benefit analysis of internal facilities management (FM)

- Estimating cost savings for the company
- Improving safety and providing a healthy environment for staff
- Improving sustainability for the business
- Knowing the nature and the type of the business needs better than external FM
- Providing continued support for projects with the minimum resources

Mostafa Dahab, Facility Manager, SSH International Consulting

17:00 – 18:00

Cost-effective techniques to reduce water consumption in the built environment

- Introduction to types of water and consumption patterns
- Overview of water supply statistics in the region
- Assessing water stress and scarcity of water issues
- Easy applications for water re-use
- Analysing the economic impact of reducing water waste
- Understanding corporate responsibility

Zack Abdi, Managing Director, Provectus Consulting