

# SMART CONSTRUCTION CONFERENCE & EXPO

THE KEY TO INDUSTRY 4.0

29 & 30 MARCH 2022

Venue: Crowne Plaza Dubai

Organized by:

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[www.meteklive.com/smartconstruction](http://www.meteklive.com/smartconstruction) #SmartConstruct2022

## **Day 1: Tuesday 29 March 2022**

**8.00 – 8.30 Arrival tea & coffee and arrival administration**

**8.30 *Opening remarks by Conference Chair***

### **National Guide for Smart Construction Introduction**

**8.40 Opening Keynote Address: UAE vision for Smart Construction and the National Guide**

Senior Representative, **UAE Ministry of Energy & Industry**

### **Industry enhancement**

**9.00 Upskilling of workforce and industry collaboration**

Dr. Anas Bataw, Director, **Centre of Excellence in Smart Construction**

**9.20 Creating excellence in construction – understanding the fundamentals**

Don Ward, Chief Executive, **CIB, International Council for Research and Innovation in Building and Construction**

### **Digitization**

**9.40 Better Information Management with BIM and GIS**

Speaker TBC

**10.00 Understanding what the guidelines means for the industry and how they will be applied**

Dr Jacques Khouri, Executive Board Member, Digital Chapter, **Society of Engineers – UAE & Head of Digital Construction Innovation at Pix4D - Switzerland**

**10.20 Morning tea & coffee break and expo viewing**

**10.50 Sponsor Presentation**

**11.20 Engineering and Construction Digital Transformation**

Nour Kassassir, Vice President & Chief Information Officer, **Parsons MEA**

**11.45 Sponsor Presentation**

**12.05 Panel Session: Digital Trends and Transformation Processes**

Gary Furphy, Digital Engineering Regional Manager, **Jacobs**

Nour Kassassir, Vice President & Chief Information Officer, **Parsons MEA**

Eng. Wajdi Mereb, Senior Design Manager BIM, **Miral**

**12.35 Networking lunch and expo viewing**

**1.35 Sponsor Presentation**

**1.55 Understanding the National Guide e-book**

Project Manager, **UAE Ministry of Energy & Industry**

**2.15 Understanding benefits of digital technology for monitoring site construction with remote sensing and AI; asset and people tracking; modelling a building in 3D; and VR tours**

Mustafa Almusawa Alhashemi, Founder and CEO, **Smart Navigation Systems (SNS)**

## Modern methods of construction

- 2.35 Ensuring greater take-up of offsite optimization and making modular construction a more mainstream practice**  
Abdulmajid Karanouh, International Director & Head of Interdisciplinary Design & Innovation, **Drees & Sommer**
- 2.55 Afternoon tea & coffee break and expo viewing
- 3.25 Modular design and off-site concrete construction as the Future Of Construction**  
Mohammad Yasser Baaj, Vice President, **DuBox**
- 3.45 3D printing as the future of smart construction**  
Benoît Meulewaeter, Head of Department, Engineering Manager, Project Manager, Co-Founder and CTO, **BESIX 3D**
- 4.05 Panel Session: Meeting the objectives of the National Guide for Smart Construction**  
Dr. Jacques with SOE: 'Advisory Board Member Digital Engineering Chapter, **Society of Engineers UAE**, Digital Transformation Manager, **Ellisdon - Dubai**  
Dr. Marwan Abu Ebeid, Digital transformation Lead  
**Turner International Middle East**  
Abdulmajid Karanouh, International Director & Head of Interdisciplinary Design & Innovation, **Drees & Sommer**  
Benoît Meulewaeter, Head of Department, Engineering Manager, Project Manager, Co-Founder and CTO, **BESIX 3D**
- 4.35 Closing remarks from the Conference Chair**
- 4.40 Close of Day One**

## Day 2: Wednesday 30 March 2022

- 8.30 – 9.00 Arrival tea & coffee**
- 9.00 Opening remarks by Conference Chair**

### Information Management

- 9.10 Digital Twins and related technology in improving construction processes**  
Daniel R. Isaacs, CTO, **Digital Twin Consortium**

### Sustainability

- 9.30 Energy efficient technologies and decarbonisation through smart construction solutions**  
Saeed Alabbar, Chief Executive Officer, **AESG**
- 9.50 Beyond Green Buildings for Net Zero**  
Ioannis Spanos, Director, Sustainability & Environmental Services Division, **KEO International**
- 10.10 Ensuring employee health, safety and wellbeing**  
Habiba Al Mar'ashi, Co-founder and Chairperson, **Emirates Environmental Group (EEG)** & Co-Founder & Treasurer, **Emirates Green Building Council**
- 10.30 Morning tea & coffee break and expo viewing

**11.00 Strategies for decarbonisation of cement industry and development of Smart Materials**

Yusuf Abu Sadaa, UAE Chapter Member, **American Concrete Institute (ACI) & Products Quality Engineer, Dubai Municipality**

**11.20 Decarbonisation of cement from a global perspective, and understanding energy efficiencies and cost saving**

Ian Riley, CEO **World Cement Association**

**11.40 Panel Session: Developing sustainable construction strategies**

Saeed Alabbar, Chief Executive Officer, **AESG**

Yusuf Abu Sadaa, UAE Chapter Member, **American Concrete Institute (ACI) & Products Quality Engineer, Dubai Municipality**

Ioannis Spanos, Director, Sustainability & Environmental Services Division, **KEO International**

Mario Saab, Director, Head of Sustainability MENA, **Cundall**

**Interactive Workshop**

**12.10 Interactive Workshop: Achieving enhanced performance and productivity in construction**

- Unified smart building index
- Benchmarking for qualifying contractors
- Enhancing cooperation between AEC sectors
- Achieving maximum measurable business objectives
- Improving quality and technical performance of built assets
- Increasing work efficiency

Kenny Linn, Partner - Capital Projects, **PwC Middle East**

**1.30 End of workshop and close of Day 2**