



Association of Designers of Kenya

DESIGNERS INDUSTRIAL TOUR AT THE BIG 5 INTERNATIONAL BUILDING & CONSTRUCTION SHOW IN DUBAI ON 25TH- 28TH NOVEMBER 2019.

Introduction;

The Big 5 is the largest construction event in the Middle East and is the only place to meet thousands of international suppliers in your dedicated product sectors. Network, do business and get the latest industry insight under one roof over four packed business days.

Building industry knowledge and gaining insights into the construction industry is high on the agenda for visitors. That is why we provide a comprehensive educational agenda, that in 2016 saw 80+ CPD certified workshops, a dedicated one day Summit and specialised seminars. Don't miss out on what we have on offer for the 2019 edition, and advance your career only at The Big 5.

A) TRAINING & EDUCATION

The Big 5 Talks Overview

Introducing brand new 'Talks' for The Big 5 2019. The Big 5 Talks will deliver world-class educational and knowledge-sharing sessions focusing on themes inspired about what's happening within the construction industry. This year, the content is integrated with our product sectors, making the Talks even more interesting. Top industry leaders will speak on six powerful themes for The Big 5 talks 2019 – Architecture & Interior Design Talks, MEP Talks, Sustainability Talks, Business Talks, Technology Talks and Project Management Talks.

The talks shall border as below;

At the Architecture & Interior Design Talks, hear from recognized creative leaders, inspiring thinkers and new voices. Gear up for 4 immersive days on what's new and now in architecture and design industry. At the architecture Talks, hear from recognized creative leaders, inspiring thinkers, new voices and visionaries as they take you on a journey covering topics from architecture inspiration, design skills, business advice, industry insights and more.

Below is the initial agenda for the Architecture Talks.

Preliminary Agenda for these Talks will include;

1. *How to implement contemporary architecture without compromising culture and cost?*
2. *Where does the inspiration for unique and incredible architecture/design come from?*
3. *How to satisfy the customer? The age old question between what one wants and what is actually feasible from a design standpoint within budget?*
4. *What are the challenges faced by architects in terms of space, people, city and the planet? How do they overcome them?*
5. *The impact of architecture: How architecture can connect people and build communities?*
6. *A closer look into design principles for complex buildings/ Architecture lighting design*
7. *Design for value: How to combine human comfort and environmental comfort to create sustainable architecture?*
8. *Every building has a story – What is the importance of integrating a theme with design? How to collaborate Building design with storytelling?*
9. *How to reinvent existing structures? How to use Recycled building materials and design based on circular economy model? / Innovation in building materials*
10. *The art of implementing sustainable design and architecture to fix the current environmental challenges.*
11. *What possibilities can be created using VR in building design?*
12. *Design and architectural innovation in facades / Advanced facades geometries*

MEP Talk Leaders in MEP Sector from across the globe will address Interior designers MEP Contractors, developers, architects, etc.

Preliminary Agenda for these Talks will include;

1. *Why does MEP need Construction Contract Risk Analysis?*
2. *How to use BIM for MEP Design and Fabrication? Why is it so necessary?*
3. *Why and how MEP systems must be integrated at the design stage?*
4. *All you need to know about the UAE'S new Fire Safety and Life protection codes.*
5. *Emphasis on reducing energy and water usage: How to deliver MEP systems with continuous value engineering to optimise system performance?*
6. *Latest Trends and need for change in the MEP industry?*
7. *Which funding models are best suited for MEP industry in view of the current construction climate? / Effective cost management to avoid construction delays*
8. *What is the update on Etihad ESCO's projects and projected plan for retrofitting the remaining 100,000 buildings? / How Dubai SCE and Etihad ESCO Dubai building retrofits strategy and programme are paving the way to a better retrofit market?*
9. *HVAC Day*

- *What's future for district cooling?*
- *Why is there a growing demand for energy-efficient HVAC systems in the region?*
- *How geothermal air conditioning could be the answer to what is needed in the MENA region?*

10. *The role of sustainability in MEP and how to achieve it?*

Sustainability talk

The talks will highlight latest developments & advancements related to sustainable infrastructure.

Sustainability is the need of the hour, the future and the hottest topic today. The Sustainability talks will highlight latest developments and advancements related to sustainable infrastructure and the Finest Sustainability Experts will deliver world class talks to civil engineers, urban architects, policy makers, technology experts, and related professionals.

Below is the initial agenda for the Sustainability Talks.

Preliminary Agenda for these Talks will include;

1. *High performance Facades: Designing sustainable and innovative building envelopes*
2. *Energy and Atmosphere Strategies for LEED v4*
3. *Indoor Environmental Quality (IEQ) Strategies for LEED v4*
4. *Sustainability for C-level Executives/ How to integrate sustainability strategies such as Estidama and Al Safat into your business model?*
5. *What's new in the Dubai Municipality's green building regulations?*
6. *Case study on Dubai's first ever sustainable megaproject: Sustainable City / Case study on first sustainable residential villas in Masdar City*
7. *All you need to know to maximise your building's energy savings*
8. *How to manage the construction phase of sustainability targets?*
9. *What is the impact and application of sustainable development in the GCC?*
10. *How to retrofit the existing buildings in the UAE?*
11. *How to use glass smartly in sustainable buildings?*
12. *Constructing with a purpose: What are the wants and needs for construction today?*

Business Development Talks

Influential leaders in the industry will address some very relevant and unique topics to grow your business.

Overwhelmed with technical info? Don't you worry as with our customized and in demand Business talks, we have got to you covered. Some of the most influential leaders in the industry will address some very relevant and unique topics to grow your business, build a profitable portfolio, remain relevant and divulge the secrets to success.

Below is the initial agenda for the Business Talks.

- 1. How construction will drive the growth of Dubai economy in 2019?*
- 2. Key strategies to achieve profits in construction*
- 3. Mergers & Acquisitions and its relevance to the Middle East market*
- 4. What is the current market scenario for construction and where is it headed to? / Business opportunities and growth areas in the Construction Industry*
- 5. Why Real Estate is the number one preferred investment across Dubai?*
- 6. Opportunities for the private sector to invest in public infrastructure hence nurturing key development in the economy / Opportunities for PPP (Public Private Partnership)*
- 7. The need for businesses to reinvent in order to remain relevant*
- 8. Role of Project Finance in Construction / Alternate financing options in the wake of changing oil prices*
- 9. Effective Time management in Construction/Cost Management*
- 10. How to best prepare for VAT in construction? /What is the impact of oil prices on the construction industry? What is the way forward?*
- 11. What are the Key Steps to resolving the inevitable construction dispute? – Any law firm (DLA piper)*
- 12. Remuneration strategies to attract and retain accomplished leaders in construction considering HR costs/ How build and retain Your Talent Pool for Future Growth?*

Technology talk

These talks will help you understand how to best adopt and implement the latest innovations in technology.

With changing times, the role of technology in construction is on the rise. The exciting and cool Technology talks will help you understand how to best adopt and implement the latest innovations in technology like BIM, Smart Buildings, Geo Spatial and more. Listen to Top Tech Guru's talk about the disruptions and uncover tools and process to change the built environment.

Below is the initial agenda for the Technology Talks.

1. *BIM integration during design process*
2. *How can BMS systems improve energy efficiency and operational performance?*
3. *Smart Living in Smart Buildings – advancements in home automations*
4. *All you need to know about IoT – Internet of Things*
5. *From Smart buildings to smart cities – How to improve efficiency and performance through integrated technologies?*
6. *How is BIM transforming the construction landscape?*
7. *Introduction to 4D and 5D BIM*
8. *The new era of (GeoBIM) - BIM GIS integration*
9. *The role of Drones in construction*
10. *3D modelling or mesh construction*
11. *How AR (Augmented Reality) can benefit construction?*
12. *Cloud based technology for integrated performance of buildings*

Project management talk

These talks will provide you with new insights to achieve successful results in the professional environment.

Global Thought leaders will share some of their experiences working on iconic projects and provide insights on topics ranging from introduction to project management to advanced level PM, PMP and PMO's. A big hit with the attendees Project Management Talks will provide you with new insights to boldly lead innovate and achieve successful results in the ever-changing professional environment.

Preliminary Agenda for these Talks will include;

1. *Capturing the Value of Project Management through Organisational Agility*
2. *Project Schedule Between Applying Standards and Practical Construction Monitoring and Controlling*
3. *How to Maximize the Business Value Behind Choosing the Right PMO System?*
4. *Leading The Leaders, Smart Leadership as a secure path to avoid Project and team Failure*
5. *Influencing Program Decision Making through Cash Flow Forecasting & Manage*
6. *Knowledge management in the construction industry*
7. *Implementation Practical Risk Management for Mega Construction Projects: Project Management*
8. *Leadership To Drive Projects and Project Management Career To Effective Change*
9. *BIM Between Theory and Practice*
10. *Does your organization strategy performance reporting truly reflect your organization portfolio performance?*
11. *Construction Projects and their impact on project's constraints*
12. *Towards Lean Construction: the future of BIM-based project planning and control*

B) PRODUCT SECTOR

i) Building Interiors & Finishes

From 2015 onwards, there have been US\$64,476 million worth of building projects that were completed across the residential, commercial, hotel, retail, medical and educational facilities segments. Be part of the growing sector and showcase your expertise to your key buyers at the largest construction event in the Middle East.

- Kitchen, Bathroom & Ceramics
- Marble & Stone
- Lighting
- Coatings, Sealants & Adhesives

ii) Building Envelope & Special Construction

Due to the level of complexity and the different products and resources required, Building Envelope continues to be high on the agenda. Visit The Big 5, the largest construction event in the Middle East and speak to the experts in the Building Envelope field and find the right products you are looking for.

- Windows, Doors & Sun Protection System
- Roofing, Cladding & Glazing
- Special Construction
- Outdoor Construction

iii) Construction Tools & Building Materials

Do business with the key suppliers in Construction Tools & Building Materials and discover the right products for you

Discover the latest Construction Tools & Building Materials at The Big 5, the largest construction event in the Middle East. Find out more about the latest product innovations and developments within the construction industry.

- Hardware, Construction Tools & Equipment
- Metal & Steel

iv) Construct Technology & Innovation

Discover the latest developments in robotics, 3D printing, smart building and IT solutions within the billion dollar construction industry

With innovative construction projects such as the tallest building, Bluewaters Island, Dubai Creek Harbor, Dubai Water Canal and many more that Construction Technology is a high value sector. These projects represent the best in innovation in construction and are a testament to the regions reputation in the construction industry. Visit The Big 5 and explore the latest products and innovations within this growing sector now.

- Software & IT Solutions
- Building Information Modeling (BIM)
- Robotics
- 3D Printing
- Smart Building & Automation
- Professional Services

iv) MEP Services

We know that MEP Services are crucial to the energy efficiency of a building, particularly to integrate at the design stage. With green building standards being high on the agenda across the industry, be part of The Big 5 in 2019 and find key suppliers with the latest sustainable solutions and products.

- HVAC-R
- Plumbing & Water Technology
- Electrical Systems
- Security & Fire Protection

C) THE EXCELLENCE IN CONSTRUCTION SUMMIT

The Excellence in Construction Summit returns for 2019, it is a high level conference which recognizes and salutes the achievements of the visionaries, forward thinking thought leaders who have expanded the horizons of excellence in strategic innovations and construction. The leaders attending this summit represent the pioneers of today.

In 2019, the prestigious Excellence in Construction Summit has built a refreshing, solid and exciting agenda on the foundation of 5 key pillars – aptly capturing the spirit of The Big 5.

Why attend the Excellence in Construction Summit?

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- Discover new trends and strategies currently affecting the construction industry
 - Get the latest industry news from our panel of expert leaders, eminent speakers and investors
 - Engage in master class workshops from the experts
 - Find solutions to industry challenges and insights into what the future holds for the industry

THE BIG 5 INNOVATION IN PRECAST SUMMIT.

The Big 5 Innovation in Precast Summit is a two-day event which will feature internationally renowned precast experts providing delegates with the latest technical information alongside a dedicated trade fair for suppliers of concrete products.

Taking place on the 25th- 28th November 2019 at The Big 5, the Summit programme is specially tailored for the Middle East region and will be free to attend for all pre-approved delegates from the concrete industry. It will provide a unique opportunity for delegates to network at the region's largest construction event and do business with carefully selected international concrete suppliers who will be on hand to present their latest solutions and innovative products.

If you are in the concrete industry, the Innovation in Precast Summit is a must-attend event for you to meet industry leaders and gain insight into the latest techniques and technology for the Middle East market. We will be opening our registration page shortly for interested delegates to apply for their space at the summit

a) Summit Agenda;

Day 1 25th Nov 2019

- Innovations in sustainability roundtable: a new approach to green building
- geopolymer concrete: sustainable low carbon footprint material of precast construction
- multifunctional precast concrete construction: integrated, cost efficient and sustainable
- engineering innovations of precast concrete structures
- fire safety: international guidance on fire resistance properties of precast concrete building envelopes

Day 2: 26th Nov. 2019

- disruptive innovation: 3d printing and manufacturing trends of tomorrow
- BIM zone: optimizing BIM and intelligent 3D modeling for precast concrete construction
- state-of-the-art of modern precast construction technology
- innovations in technology roundtable: techniques, technologies and skills development driving change in prefabrication design and construction
- project costing: measuring the impact of precast concrete on improving project cost-effectiveness when incorporated from planning stage
- exploring the long life cycle and low maintenance costs of modular and flexible precast concrete elements in infrastructure
- maintenance best practice: repair, strengthening and performance of concrete buildings and infrastructure