


Summit Agenda

Day 1 - 22nd November 2023

 **08:30 - 09:30**

REGISTRATION & WELCOME COFFEE

 **09:30 - 09:40**

MC OPENING ADDRESS

 **09:40 - 10:00**

Supertall Buildings Defining 21st Century Urban Cities

- The relationship between supertall buildings and growing cities – an enabler of the skyscraper boom in the Middle East
 - Exploring how the concept of mini-cities are promoting sustainable supertall buildings and driving the future of urbanization
 - The diverse usability of tall buildings allows a city to grow without expanding its boundaries – opportunities and challenges
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 **10:00 - 10:20**

Vertical Transportation – The Future of Transportation in Mega-tall Buildings

- Evolution of vertical transportation in skyscrapers – latest trends and developments
 - The success of integrated building services – what are the challenges in connecting the structure and services?
 - An overview of intelligent transporting systems that ensure people movement seamlessly
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 **10:20 - 10:40**

Prioritizing Retrofits in High-rise – Legacy Plans

- An overview of the economic and environmental goals to create zero-carbon cities
 - Mapping retrofit plans post project completion - the urgent need for cost effective skyscraper upgrades
 - Implementing green design strategies to retrofit exiting supertall structures – understanding the challenges
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🕒 10:40 - 11:30

Panel Discussion: Skyline Metamorphosis: Supertall Structures key in Urban Branding

- An architect's role in creating dynamic skylines that plays a pivotal role to a city's branding
 - Integrating cities and tall infrastructures - How are supertall structures accommodating rapid urbanization and ensuring urban livability? Examples of local and global projects
 - The vision board for architects in designing supertall structures – what are the multi-functional dynamics that architects need to be aware of when designing in urban spaces?
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🕒 11:30 - 12:00

NETWORKING COFFEE BREAK

🕒 12:00 - 12:50

Panel Discussion: Façades of the Future – The Evolution of Structural Systems & Design in Skyscrapers

- There is a transition from glass façades to alternative building materials - What are the upcoming trends in creating eco-friendly supertall buildings?
 - Use cases and success stories of Smart Façades – implementation of integrated façade technology that has transformed façade performance
 - Government regulation and sustainability principles are changing the overall facade design practices in the region. What are the challenges in incorporating these aspects into façade designs for supertall buildings?
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🕒 12:50 - 13:10

Exploring the Fundamentals of Fire Safety in Supertall Structures

- What are the fire safe strategies that can be implemented in the design phase of supertall structures?
 - Creating a roadmap for hazardous situations - apart from a city's regulations and code of practices, what do you believe are the alternative checks and balances that need to be in place?
 - Latest fire-proof technologies that can be adopted to exiting supertall structures – the challenges
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🕒 13:10 - 13:30

Creating Sustainable Facades in Supertall Buildings – Transformation in Design Principles

- Environmentally conscious development - The evolution of façades in skyscrapers
 - Incorporating new technologies to create energy efficient façades – the challenges in façade cladding
 - What are the strategies employed in skyscrapers to address the effects of climate change?
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🕒 13:30 - 13:50

Facility Management in Skyscrapers – Latest Trends and Practices

- The trends of smart facility management in supertall structures – roadmap ahead
 - Real time facility management to create connected supertall structures – the challenges in ensuring seamless operations
 - How to optimize cost efficiency of smart service operations in high-rises by increasing revenue through asset visibility? Your thoughts.
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🕒 13:50 - 14:40

Panel Discussion: Innovations in Fire Safety Design to Safeguard High-rises

- The future of fire competence & risk assessment – what are the latest innovations in ensuring fire safety in skyscrapers?
 - Anticipating and managing fires in high rises with the use of technology
 - Contingency plans – outline of evacuation plans and design principles necessary for emergencies in tall buildings. Examples of projects with innovative evacuation plans
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🕒 14:40 - 14:50
MC CLOSES

🕒 14:50 - 15:20
NETWORKING LUNCH

Day 2 - 23rd November 2023

🕒 09:20 - 09:50
NETWORKING & MORNING REFRESHMENTS

🕒 09:50 - 10:00

MC OPENS

🕒 10:00 - 10:20

Green Supertall Buildings Increasing the Energy Efficiency Quotient in Cities

- Exploring the economics of tall sustainable buildings – the opportunities and scope for growth
 - Understanding how supertall buildings play a major role in achieving a city's sustainability targets?
 - The environmental and economic benefits of integrating sky gardens in tall buildings while tackling the maintenance challenges
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🕒 10:20 - 10:40

Sustainable Water Management – Smart Utility Management in Skyscrapers

- Exploring integrated water management systems in high-rises – what are the upcoming innovations?
 - Constant monitoring and resolving issues – what are the challenges in maintaining supertall structures?
 - Case study of utility management in the tallest building in the world – Burj Khalifa
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🕒 10:40 - 11:00

LEED Skyscrapers: The Future of Superstructures

- Implementing zero carbon buildings through green building codes and LEED certifications – tackling key challenges
 - Management of engineering techniques to reduce emissions without compromising design principles - a holistic view of enabling engineering and art design
 - Examples of green skyscrapers that have imbibed zero emissions strategies and efficient designs
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🕒 11:00 - 11:50

Panel Discussion: Intelligent Supertall Structures – Role of MEP in Building Smart Towers

- Dealing with the changing role of MEPs in supertall structures – know-how of technologies to utilize resources efficiently
 - Outline of key projects within the UAE - understanding the fundamentals of enhancing building design and operational efficiency for supertall structures
 - What are the challenges in implementing an integrated end-to-end building automation system within high-rises?
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🕒 11:50 - 12:20
NETWORKING COFFEE BREAK

🕒 12:20 - 12:40

Deploying GIS to better plan Mega-infrastructures

- Understanding the importance of GIS while designing a high-rise
 - Analyzing the role of GIS in identifying design principles of building high-rises in a city, encompassing architectural, structural or engineering requirements
 - Challenges faced in implementing a multi-disciplinary approach to integrate sustainable and structural designs
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🕒 12:40 - 13:00

Structural Design & Construction Technology for Mega-structures

- As design processes have become complex, the need to redefine building materials used in the construction of supertall structures – summary of projects executed in the region
 - What are the best practices that can be adopted by structural engineers when working with BIM and modular systems?
 - What are the upcoming trends in construction for high-rise building technology?
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🕒 13:00 - 13:20

Future-Proofing Skyscrapers – Designing Resilient Structures

- An overview of design fundamentals in ensuring resilience in supertall buildings
 - The growing importance of creating resilient supertall structures - What are the factors influencing resilience planning in the design phase?
 - Understanding the challenges in enhancing the resilience in existing supertall buildings
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🕒 13:20 - 14:10

Panel Discussion: Green the Skyline – Retrofitting Supertall Structures

- Retrofitting high rises to create environmentally sustainable vertical cities – what are the best practices that can be adopted? Examples from around the world
- Adhering to green building standards & structural integrity with innovative technology – the urgency for reducing carbon footprint and building organic cities
- Refurbishments of facades and existing building systems to achieve retrofit goals for tall buildings – what are the challenges & operational costs?

🕒 14:10 - 14:20
PRIZE DRAW & MC CLOSSES

🕒 14:20 - 14:50
NETWORKING LUNCH

Agenda is subject to change

An Event by:



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