

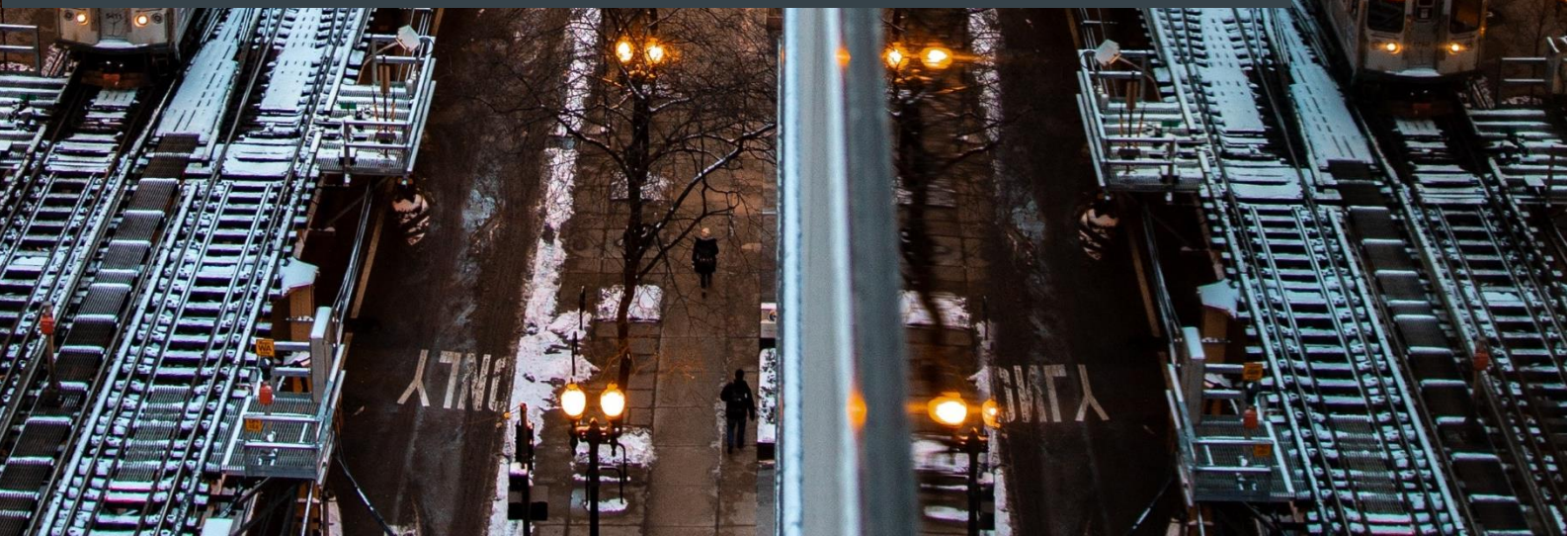
CONFERENCE



# Global Construction & Infrastructure Conference

Global Construction Rethink: Trends that will Shape  
Tomorrow's Construction and Infrastructure

20 June 2024 Online



#### Course level

Advanced



#### Type of event

Online



#### CPD Hours

6

Formal



#### Included in

CPD Support Package

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Oxford Economics forecasts that the global volume of construction work is expected to increase by US\$4.2 trillion over the next 15 years, bolstered by the burgeoning green economy. China is expected to witness a resurgence in its construction sector from 2025 onwards, while the United States contends with a \$150 billion shortfall in housing. Meanwhile, India is on track to become the fastest-growing construction behemoth globally, with the United Kingdom leading the pace in Western Europe.

The industry stands at a pivotal junction, marked by a technological renaissance and environmental imperatives. Sustainable development is surging, with advanced technologies such as artificial intelligence (AI), the Internet of Things (IoT), and robotics increasingly integrated into construction practices. These advancements, along with a concerted effort towards infrastructure modernization, are steering the sector toward an era of unprecedented growth and change. This evolution is in sync with the global imperative to build sustainable, efficient, and intelligent urban environments, amidst the challenges of urbanization and climate change.

This year's conference offers a critical platform for industry professionals to learn from global thought leaders about adapting to emerging sustainability standards, comprehending the newest eco-friendly construction trends and technologies, deliberating over strategies to surmount sector-specific obstacles and inventive solutions, and to facilitate cross-regional industry collaboration. It's a unique opportunity for networking, knowledge-sharing, and partnering with industry peers worldwide, enabling industry professionals to remain at the forefront of innovation and contribute to a more sustainable and technologically advanced future in the built environment.

# Programme



APAC  
20 June 2024



EMEA  
20 June 2024

Time zone: (GST=Dubai Time, BST=London Time, EST=New York Time)

GST	BST	
10:30	7:30	Registration and virtual networking
11:00	8:00	Welcome remarks from Conference Chair
11:10	8:10	RICS Opening Speech
11:20	8:20	Virtual networking and exhibition break
11:30	8:30	<b>Opening keynote: The Future of Global Construction and Infrastructure</b>  The opening session will start from the latest global construction market finds and forward-looking analysis of the sector's future. Addressing key themes such as how regulations impact construction projects from different regions and exploring opportunities, how circular economy can drive greater sustainability and new business opportunities in construction, the imperative for sustainable and resilient building practices, the challenges and opportunities posed by rapid urbanization, and the evolving global market trends, this presentation will offer valuable insights into how these factors are collectively reshaping the construction and infrastructure landscape worldwide. Attendees will gain an understanding of the strategic directions, emerging innovations, and necessary adaptations in workforce and policy that are pivotal for navigating and succeeding in this rapidly evolving sector.
12:10	9:10	Virtual networking and exhibition break



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12:30

9:30

## Panel discussion: Adapting to Climate Change: Construction's Role

The construction industry is one of the world's largest consumers of energy and raw materials. With over 40% of carbon emissions coming from the built environment, 28 countries including China, the United States, Canada, the UK, France, The Netherlands, Germany, Kenya and Morocco have joined the Buildings Breakthrough initiative, which was officially launched at COP28 UAE. They have committed to work together to ensure that "near-zero emission and resilient buildings become the new normal by 2030". This panel brings together environmental scientists and industry professionals to explore strategies for building resilient structures, delve into a crucial discussion on how construction can adapt to and mitigate the impacts of climate change and explore how the construction industry can contribute to climate change mitigation. This session will focus on building climate-resilient structures, climate impact assessments for projects, how global standards ICMS3 and WLCA 2nd edition activate the industry to achieve net-zero ambitions and sustainable construction practices.

13:10

10:10

## Virtual networking and exhibition break

13:20

10:20

## Keynote presentation: Advancements in Construction Technology: A Global Overview

This session brings technology innovators to showcase the digital revolution reshaping construction. Examine cutting-edge technologies transforming the construction industry globally, such as 3D printing, AI, BIM, IoT and robotics. Capturing the untapped value of AI adoption and data analytics in the construction & infrastructure sector. Share case studies from various regions on how these technologies are being implemented, and cutting-edge tools that are streamlining project management and elevating construction standards.

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14:00

11:00

Virtual networking and exhibition break

14:10

11:10

## Panel discussion: Decarbonising Construction: Innovative Building Materials and Construction Techniques

The UNEP's report "Building Materials and The Climate: Constructing A New Future" from September 2023 highlights the significant carbon footprint of the buildings and construction sector, which accounts for 37% of global emissions. That's shows the construction industry significantly impacts climate change and this session will explore the forefront of construction innovation with experts in prefabrication, modular construction, and advanced materials, deep dive into how these cutting-edge techniques are reshaping the construction landscape and discover the latest in construction innovation. Topics include the benefits and challenges of prefabrication and modular construction, the use of new and sustainable materials, how these innovations are driving efficiency in construction projects, and how they contribute to reducing the environmental impact of buildings.

14:50

11:50

Virtual networking and exhibition break

# Programme



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America  
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GST

BST

EST

15:00

12:00

7:00

## Panel discussion: Navigating Supply Chain Challenges

The global construction supply chain is grappling with skilled labor shortages, ageing population and geopolitical disruptions, leading to material scarcities and increased costs. This session will dissect the complexities of current global supply chain issues and offer strategies for resilience, discover how the best in the business are managing material shortages and cost fluctuations, and covers effective supply chain management, risk mitigation, and adapting to global logistical challenges in the construction industry.

15:40

12:40

7:40

Virtual networking, exhibition break and Americas' region registration

16:00

13:00

8:00

Welcome remarks from Americas Conference Chair and Opening Speech

16:20

13:20

8:20

Virtual networking, and exhibition break

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16:30

13:30

8:30

## Panel discussion: Building Inclusive and Accessible Cities

Increasing equity and inclusion are among the most pressing challenges facing cities, exacerbated by climate change. Cities need become smarter, more diversity equity and inclusive, and more accessible to adapt to urban demographic changes. Addressing social groups in global and local smart city policies is crucial. However, people with special needs are often overlooked in mainstream policies, prompting cities to rethink their urban agendas and prioritize social inclusion and accessibility. City leaders are actively working to create policies for a diversity, equitable, inclusive and accessible environment. This session will address the global best practices and solutions of creating inclusive, equitable and accessible urban environments. Highlight initiatives and policies aimed at improving accessibility and inclusivity in public spaces and buildings in various regions.

17:10

14:10

9:10

## Virtual networking and exhibition break

17:20

14:20

9:20

## Panel discussion: The Future of Work in Construction: Addressing Labor Shortage and Skills Gap

The industry faces challenges like labor shortages and skill gaps, this session will explore how different regions are dealing with labor shortages and skills gaps in the construction industry. Learn about innovative training programs and the impact of automation on the workforce, the integration of automation and robotics, GenZers preferences on upskilling themselves and strategies to attract and retain skilled workers in the construction sector, offering solutions for the future.

18:00

15:00

10:00

## Virtual networking and exhibition break

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15:10

10:10

## Panel discussion: Infrastructures of Change: Steering Global Investments for Future-Ready Development

With substantial investments flowing into infrastructure development worldwide, there is a renewed focus on creating more resilient, efficient, and sustainable urban and rural infrastructures. This session will analysis on current and future trends in infrastructure investment. Key insights include global market growth areas, investment strategies, and the economic impact of infrastructure development on national and global scales. Gain valuable insights into where investments are flowing and what the future holds for infrastructure development worldwide.

15:50

10:50

## Virtual networking and exhibition break

16:00

11:00

## Closing Keynote: The Next Decade in Construction Sector

COP28 highlighted the urgent need to escalate climate action efforts before the end of the decade, emphasizing that the global average annual rate of energy efficiency improvements must double by 2030. This underscores the pivotal role of the construction industry in addressing climate change, positioning it at a crucial juncture. The industry is both a major contributor to global greenhouse gas emissions, responsible for approximately 39% of global energy-related CO2 emissions, and a key player with immense potential to spearhead the transition towards a sustainable future. This session will bring a forward-looking perspective on industry evolution, technological advancements, and market opportunities in the next decade. Explore skills you need in next decade, future-proof design and construction, how circular economy can drive greater sustainability and new business opportunities in construction, how international standards foster collaborations in construction from global perspective and drive sustainable growth? Get an exclusive look into what the next decade holds, with insights on emerging trends and opportunities in the construction sectors.



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EST

16:40

11:40

Conference closing remarks

17:00

12:00

End of conference

## Delivering confidence

We are RICS. Everything we do is designed to effect positive change in the built and natural environments. Through our respected global standards, leading professional progression and our trusted data and insight, we promote and enforce the highest professional standards in the development and management of land, real estate, construction and infrastructure. Our work with others provides a foundation for confident markets, pioneers better places to live and work and is a force for positive social impact.

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