



PROGRAMME



RICS®



REDAS

# Net Zero Carbon Cities: Dream or Reality

A RICS & REDAS SEA Conference

23 Oct 2024 Singapore Marriott Tang Plaza Hotel



Type of event

Face to face



CPD Hours

6

Formal



Included in

Professional Package

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In the dynamic urban landscape of Southeast Asia, Singapore stands at the forefront of pioneering sustainable urban development. This year, we're upgrading the Smart Buildings Conference to the "Net Zero Carbon Cities: Dream or Reality" conference, a pivotal event designed to address the swift evolution and pressing demands of creating sustainable urban environments in Southeast Asia. As cities around the world face the dual challenges of urbanization and climate change, Singapore's commitment to the Green Plan 2030 serves as a beacon for innovation and strategic development in resilient infrastructure, green buildings, and sustainable public transport systems. This conference convenes under the growing recognition of net zero targets as not just necessary, but achievable goals that drive economic and environmental benefits.

Amidst rapid technological advancements and stringent regulatory landscapes, industry leaders, policymakers, and practitioners will delve into the opportunities and challenges presented by new norms such as the Carbon Building Framework and ESG compliance. Discussions will spotlight Singapore's pioneering projects and policies, providing a comprehensive overview of the technological, economic, and social shifts shaping the future of net zero cities. Panels will explore the transformation in electric and autonomous vehicles, AI's role in urban management, and innovative strategies in workforce development and leasing to meet sustainability goals.

By attending this conference, participants will gain unparalleled insights into cutting-edge strategies and solutions, align with the latest regulatory requirements, and engage with experts at the forefront of urban sustainability. The event promises a rich blend of keynote addresses, interactive panels, and networking opportunities, designed to equip attendees with the knowledge and connections to drive their organizations and communities toward a net zero future. Whether you are a city planner, a business leader, an investor, or a policy maker, this conference will provide you with actionable strategies and an in-depth understanding of the dynamic landscape of sustainable urban development.



## Time zone:

SGT

8:30

Registration

9:00

Opening by Conference Chair

**René Hillig** MRICS, Managing Director Singapore and Project & Programme Management  
Southeast Asia, **Asia Infrastructure Solutions Pte Ltd**

9:05

Welcome Remarks by RICS and REDAS

9:15

Guest of Honour Speech

**Dr Amy Khor**, Senior Minister of State, Ministry of **Sustainability and the Environment**,  
**Ministry of Transport**

9:25

**Session 1 Special Presentation - Resilient Futures: Tomorrow's Urban Infrastructure**

- How global trends like climate change and technological advancements redefine urban infrastructure.
- Insights into Singapore's BCA Green Mark scheme and its impact on future urban development.
- Integrating natural elements into urban planning for enhanced sustainability.
- Strategies for adapting to rising sea levels, extreme weather, and heat stress.
- Achieving net zero emissions through policy, community engagement, and innovation.

**Hugh Lim**, Executive Director, Centre for Liveable Cities, Ministry of **National Development, Singapore**

9:45

**Session 2 Keynote Presentation - The Future of Facility Management in Achieving Net Zero Carbon Cities**

- Showcase sustainable maintenance practices and smart technologies such as IoT, AI in facility management to enhance energy efficiency and operational effectiveness.
- Conducting lifecycle assessments to identify and mitigate environmental impacts throughout a building's life.
- Strategies to engage building occupants in sustainability efforts.
- Innovative solutions for optimizing energy consumption in existing buildings.



Time zone:

SGT

10:15

### Session 3 Plenary Speaker – Innovations in Net Zero Carbon Building Lifecycle

- National ambitions and progress in sustainable building transformation.
- Advanced design strategies and building techniques for net zero carbon emissions.
- Projects integrating solar, wind, and renewable energy sources.
- Circular economy principles in building materials and waste management.
- Case studies on achieving net zero carbon buildings.

*Presented by* **Yoon Young Kim**, Cluster President, Singapore & Brunei, **Schneider Electric**

10:45

### Break

11:05

### Session 4 Panel Discussion – Electrifying Transportation: The Road Ahead for EVs and Avs

- Singapore's strategies for promoting EV and AV adoption.
- Latest developments in vehicle technology and autonomous driving systems.
- Integrating EVs and AVs in Singapore's urban environment.
- Environmental benefits of combining TOD with electrified transportation.
- Future impacts on urban mobility, sustainability, and economic growth.

*Panelists:*

**Chee Kiong Goh**, CEO, **Charge+**

11:50

### Session 5 Panel Discussion – AI and Digital Transformation for Net Zero Carbon Cities

- AI and digital technologies in urban service management.
- Case studies of successful AI implementations in public infrastructure.
- Challenges and ethical considerations of AI adoption.
- Policies and regulations for AI integration in urban settings.
- Future of urban development with advanced AI technologies.

*Moderator:* **Bennett Wong**, Associate Director, Business Consulting, **RSM**

*Panelists:*

**Dr Joey Tan**, Head of Sustainability, **AWS ASEAN**

**Denis Branthonne**, Co-Founder & CEO, **Novade**

12:35

### Luncheon



## Time zone:

SGT

13:35

### Session 6 Panel Discussion - Shaping the Future Workforce: Skills, Technology, and Upskilling

- Key skills for future built environment professionals.
- Innovative tools enhancing productivity and project management.
- Technology's role in addressing manpower challenges.
- Professional development programs for adapting to industry changes.
- Examples of successful upskilling programs.

#### *Panelists:*

**Esther An**, Chief Sustainability Officer, **CDL**

**Joseph Ooi**, Professor of Real Estate, **NUS Business School**

14:20

### Session 7 Panel Discussion – Valuing Sustainability: ESG in Real Estate Valuations and Financing

- Integrating ESG factors into property valuations.
- Financial instruments supporting sustainable investments.
- Role of carbon trading in real estate financing.
- Impact of regulations like Mandatory Climate Reporting.
- Elevating sustainability standards in the real estate sector.

*Moderator:* **Jovi Ho**, Assistant Editor, **The Edge Singapore**

#### *Panelists:*

**Lia Nicholson**, Head of Sustainability, **Terrascope**

**Christine Li**, Head of Research, Asia Pacific, **Knight Frank**

**Jasper Wong**, Head of Real Estate & Hospitality and Construction & Infrastructure, Sector Solutions Group, **UOB**

15:05

Break



Time zone:

SGT

15:25

**Session 8 Plenary Speaker – Climate Resilience and Adaptation: Building Sustainable Cities**

- Cutting-edge technologies supporting sustainability.
- Designing infrastructure to withstand climate impacts.
- Examples of cities advancing towards net zero carbon emissions.

15:55

**Session 9 Panel Discussion - Leasing Reimagined: Navigating New Frontiers in Real Estate Leasing**

- Demand for flexible lease terms and customized spaces.
- Green leasing practices aligning with sustainability goals.
- Impact of demographic shifts on leasing strategies.
- Technologies enhancing tenant attraction and retention.
- Legal and regulatory changes impacting leasing practices.

*Moderator:* **Samantha Tan**, General Manager, **South Beach Consortium**

16:40

**Closing Remarks by Conference Chair**

**René Hillig** MRICS, Managing Director Singapore and Project & Programme Management Southeast Asia, **Asia Infrastructure Solutions Pte Ltd**

16:45

**Conference End**

## 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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