



**THE NOVA**  
**EXPO 2025**



e-Brochure

**12-14 March 2025**

**Hall 103-104, BITEC, Bangna**

[www.thenovaexpo.com](http://www.thenovaexpo.com)



**Green Innovation**  
**Revolution**

*นวัตกรรมสีเขียว ปฎิวัติโลก!*

**Green Data Center**

**Introducing a Game-Changing Global Innovation!**

**The Only Place in Thailand Covering All Aspects of Building Design and Construction**  
**Complete with Inspiring Seminars!**

**Free Entry !**



# Green Innovation Revolution & Green Data Center

Green innovations are becoming increasingly essential in mitigating future environmental impacts, particularly within the real estate and construction sectors. These industries are now prioritizing the reduction of carbon emissions, addressing both Embodied Carbon emissions from material production and construction processes and Operational Carbon, which stems from building usage over time.

Today, the development of eco-friendly products is gaining traction, with major companies introducing low-carbon materials to the market. However, a significant challenge remains: the diversity of available sustainable materials is still limited. This is especially evident in architectural applications, where the lack of options can hinder design flexibility and compromise the aesthetic appeal of projects.

Expanding the diversity of materials available in the market offers architects and developers greater flexibility, enabling more competitive pricing and encouraging the wider adoption of eco-friendly options. This shift could pave the way for a more sustainable future in construction.

To achieve this, the development of green innovations must be prioritized alongside efforts to raise awareness about sustainable materials and their associated regulations. These steps are essential for driving long-term sustainability and resilience within the industry.

Expanding the range of green building materials is crucial to support architects and developers in achieving both sustainability goals and design excellence.

Clear and consistent government policies are vital to accelerating progress toward sustainability. The private sector relies on well-defined guidelines to align its operations with national goals. Without such clarity, hesitation and delays in decision-making are inevitable.

With the 2030 and 2050 carbon reduction targets fast approaching, any ambiguity in regulations risks derailing private-sector efforts. Platforms like COP27, COP28 and COP29 emphasize the need for decisive policy frameworks, enabling businesses to adapt and act effectively.

COP29, hailed as the "Finance COP," marks a pivotal moment in global climate negotiations. For the first time in 15 years, nations will establish a New Collective Quantified Goal on Climate Finance (NCQG), addressing a longstanding gap in climate funding.

The discussions at COP29 are expected to focus on reshaping financial commitments to bridge this persistent funding shortfall.

A collaborative approach between the public and private sectors is key to driving impactful green innovation in Thailand. Transparent communication and mutual understanding are essential to achieving a sustainable future.



## Building Innovation Exhibition

Creating a happiness, safety, and sustainability living

**Show Name:** THE NOVA Expo 2025  
: Green Innovation Revolution & Green Data Center

Gross Area:	Approx. 10,000 m <sup>2</sup>
Show Days:	Wed 12 - Fri 14 March 2025
Operating Hours:	10.00 - 19.30
Expo Venue:	EH103-104 BITEC
Organizer by:	EEC Academy / The NOVA Community
Parking:	4,100 cars and 102 buses
Expecting Visitors:	12,000 people



# Main Stage Program

## 12 March 2025

### Main Stage Session

- 10.30 - 11.00 Climate Action: มาตรการสู่สังคมคาร์บอนต่ำ  
 11.00 - 11.30 Low Carbon Society: เกิดขึ้น...อยู่ได้...พัฒนาสู่การเป็นสังคมคาร์บอนต่ำ  
 14.15 - 15.00 SME in the Age of Disruption  
 15.15 - 16.00 NCD-Less Architecture: อาคารลดความป่วย



## 13 March 2025

### Main Stage Session

- 10.00 - 11.00 Data Center: Thailand OPPORTUNITIES  
 11.15 - 12.15 Green Data Center "The Breakthrough: การปลดล็อกข้อจำกัด และประโยชน์ของคนไทย (Panel Discussion)  
 13.00 - 13.30 พลิกโฉมอนาคตเมืองด้วย Green Innovation: แนวทางการพัฒนาผังเมืองที่ยั่งยืน  
 13.30 - 14.00 New City Development: Pioneering Urban Projects for the Future  
 การพัฒนาเมืองใหม่: โครงการนำร่องเพื่อสร้างเมืองแห่งอนาคต  
 กรุงเทพฯ จะไม่ท่วม  
 14.15 - 14.45 เสวนาร่วมในหัวข้อ Climate Finance & Thailand's  
 15.15 - 16.30 Taxonomy: Driving Sustainable Construction & Real Estate



## 14 March 2025

### Main Stage Session

- 10.00 - 16.30 Stage of Designers Award (Pitching)





# Conference Program

**12** March  
2025

## Conference Room 1

- 13.00 - 14.00 The Future of Green Real Estate:  
Embracing Innovation for Sustainable Growth
- 14.15 - 15.00 "Nature Positive & Carbon Negative:  
สร้างผลบวกต่อธรรมชาติและปล่อยคาร์บอนสุทธิเป็นลบ"
- 15.15 - 16.00 Green Innovation Revolution



## Conference Room 2

- 13.00 - 14.00 A New Era of Construction (Carbon-Neutral Buildings):  
การลดคาร์บอนด้วยไม้และเหล็กในอุตสาหกรรมก่อสร้าง
- 14.15 - 15.00 Strategies for a Sustainable Future:  
ยุทธศาสตร์เพื่อนาคตที่ยั่งยืน
- 15.15 - 16.00 Net Zero C Construction:  
แนวทางสู่การปล่อยคาร์บอนสุทธิเป็นศูนย์ในอุตสาหกรรมก่อสร้าง



**13** March  
2025

## Conference Room 1

- 10.00 - 11.00 Next Steps in New Regulations for Decarbonization: What Developers Need to Know  
ข้อกำหนดและกฎระเบียบใหม่เกี่ยวกับการลดคาร์บอนและวิธีที่ผู้พัฒนาอสังหาริมทรัพย์ควรเตรียมตัว
- 11.15 - 12.15 Innovating for Tomorrow: Green Technologies in Real Estate and Urban Development  
\* นวัตกรรมสีเขียวกับการเพิ่มคุณค่าและมูลค่าโครงการ
- 13.00 - 14.00 Smart Buildings and Green Solutions: Shaping the Future of Sustainable Architecture
- 14.15 - 15.15 Greener Future with Natural Materials : ก้าวสู่อนาคตสีเขียวด้วยไม้วัสดุธรรมชาติ
- 15.30 - 16.30 A Green Transformation in Building Main Structure: โครงสร้างเหล็ก เส้นทางสู่ความยั่งยืน



## Conference Room 2

- 10.00 - 11.00 (Panel Discussion) Cooling as a service : ธุรกิจพลังงานรูปแบบใหม่ที่ได้ประโยชน์ทุกภาคส่วน
- 11.15 - 12.15 Sustainable Design Management : แนวทางลดคาร์บอนในอุตสาหกรรมการก่อสร้าง
- 13.00 - 14.00 "Fuel Cell" the world's greener and cleaner power solution
- 14.15 - 15.15 Green Data Center: Immersive Liquid Cooling
- 15.30 - 16.30 Innovative Techniques for Accelerated Building Construction





# Conference Program

**14** March  
2025

## Conference Room 1

- 10.00 - 11.00 Sustainable Cities and Green Innovation for a Better Future  
 โฟกัสที่การออกแบบเมืองอย่างยั่งยืนโดยใช้นวัตกรรม  
 ที่ช่วยลดผลกระทบต่อสิ่งแวดล้อม
- 11.15 - 12.15 Why Wellbeing is Vital of Future Real Estate Development  
 ทำไม wellbeing ถึงสำคัญต่อการพัฒนาอสังหาริมทรัพย์ในอนาคต
- 13.00 - 14.00 Net Zero Emission: แนวทางสู่การปล่อยคาร์บอนสุทธิเป็นศูนย์  
 ในอุตสาหกรรมก่อสร้าง Leading the Construction Industry to  
 a Zero-Carbon Future
- 14.15 - 15.15 Building Enhancement, the greenest future  
 อัปเกรดอาคาร โอกาสในสังคมคาร์บอนเป็นศูนย์
- 15.30 - 16.30 Operation Carbon: Reducing Carbon Emissions  
 in Building Operations for a Sustainable Future



## Conference Room 2

- 10.00 - 11.00 บ้านเย็น: นวัตกรรมเพื่อการทำความเย็นอย่างประหยัดพลังงาน
- 11.15 - 12.15 Embodied Carbon:  
 Tracking Carbon Emissions in Building Materials
- 13.00 - 14.00 Innovation Pavilion, The Net-Zero Carbon:  
 ทำอย่างไรให้อาคารเป็นศูนย์
- 14.15 - 15.15 Future of Clean Air นวัตกรรมเพื่ออนาคตอากาศสะอาด
- 15.30 - 16.30 Smart City & Smart Building Technology





# ‘เปี่ยมด้วยใจ’ NOVA Green Booth Program

Register → Workshop → Showday → Report

Today-30 Nov 2024      11 Dec 2024      12-14 Mar 2025      May 2025



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✓ **Reuse**  
✓ **Recycle**

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**THE NOVA**  
**STAGE OF**  
**DESIGNERS**  
**AWARD ปี 2**

ชิงทุนการศึกษา  
รวมกว่า **230,000 บาท!**

An activity designed to enhance professional skills and provide real-world experience for participants. Participants will tackle the challenge of transforming a building into a 'Senior Living Building' under the theme: **"Green Innovation Revolution"**

This event has attracted a large number of teams eager to participate in the competition.

Stay updated on the competition news at:  
Facebook Fanpage: [thenovaexpo](https://www.facebook.com/thenovaexpo)



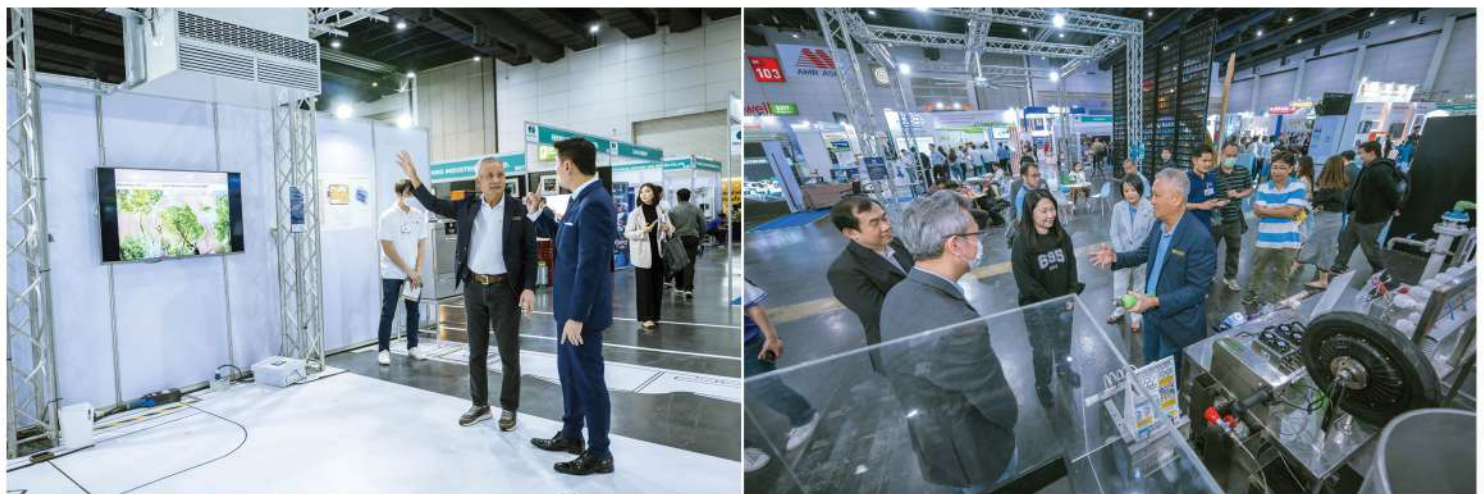
# The Nova Expo's Activities

Ref: photos from Nova Build Expo 2023

## Inspiration Stage



## Innovation Pavilion



## Stage of Designers Award





# The Nova Expo's Activities

Ref: photos from Nova Build Expo 2023

## Nova Award



## Exclusive Tour



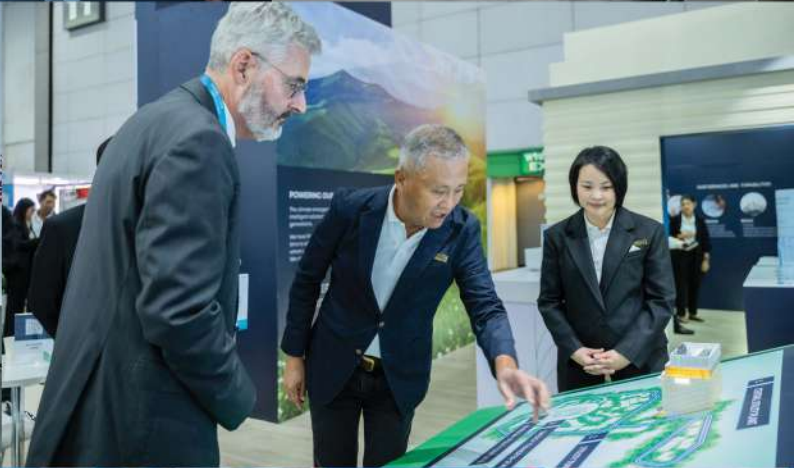
## "Connected Dots" (Networking Session)





# Photo Release

Ref: photos from Nova Build Expo 2023



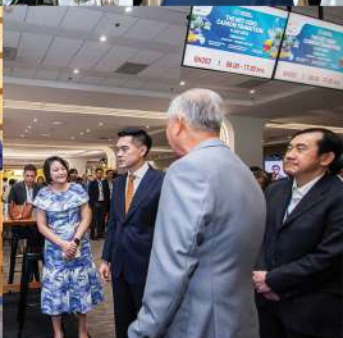


# Photo Release

Ref: photos from Nova Build Expo 2023









# Photo Release

Ref: photos from Green Innovation Workshop





# Photo Release

Ref: photos from Nova Build Expo 2023





VISITORS

# Floor Plan Booth

## Association and Partners



## Media Partner



## Organized by



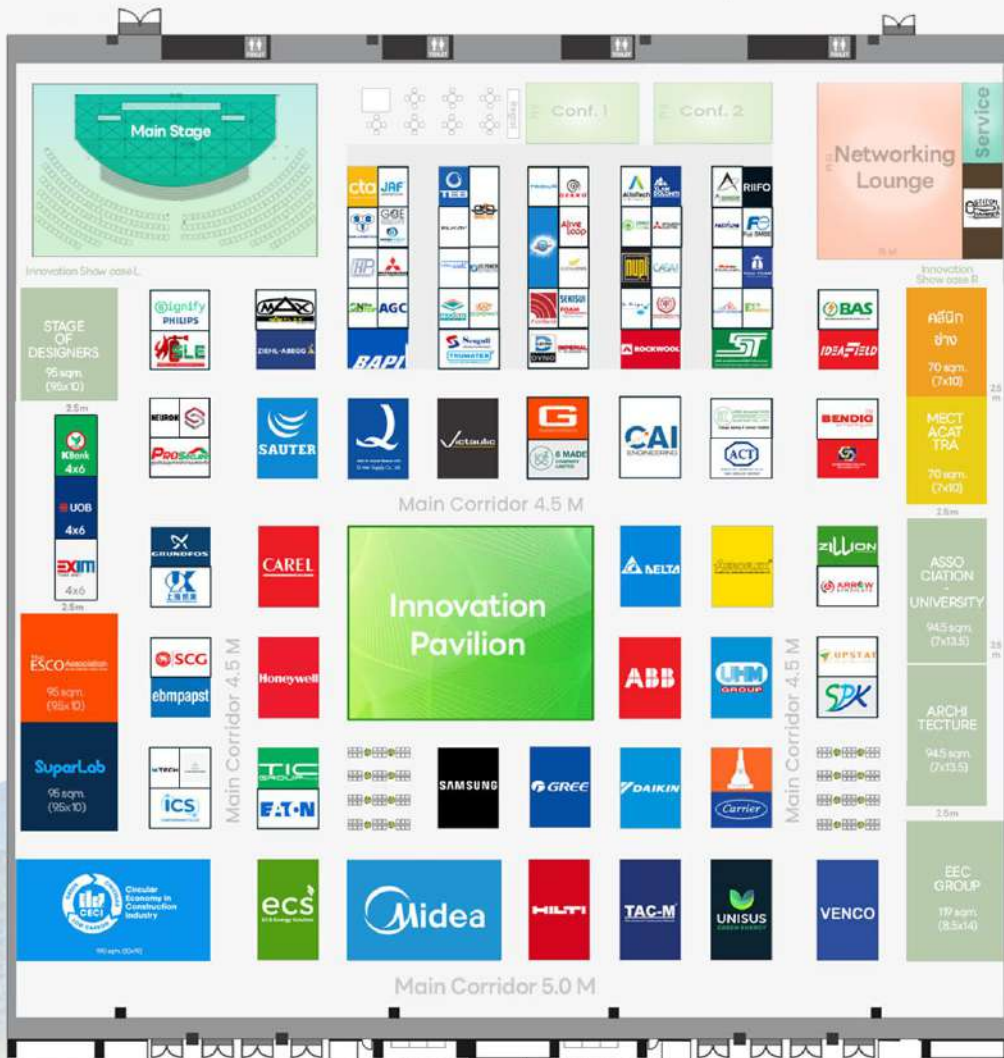
## Platinum sponsor



## Gold sponsor



## Silver sponsor



Update: 06 March 2025



## Association Partner





# FACT SHEET



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### Exhibitor Profile

#### New City

- Smart City Solution
- City Information Modeling
- Central Utility System:
  - District Cooling System,
  - Drinking Water System,
  - Onsite Power Supply,
  - District Water and Fire Water System
- Automatic Waste Collection System
- Micro Grid
- Solar Solution
- EV Infrastructure

#### New Building

- Low Carbon Material and Wood Structure
- Modular and Pre-fabrication Technologies
- Construction Technology
- Passive Design: Semi Outdoor Space Solution
- Radiant Cooling
- IAQ Product
- Smart Lightning Monitoring
- Wireless Lighting System
- Circadian Lighting
- Automatic Carpark
- Energy Storage System
- Battery Technology
- Waste and Recycle Water System
- Smart Bin and Onsite Waste Composter
- Façade Technology: BIPV, ETFE
- Smart Equipment: Faucet, Pump, Lighting, Smart Pole
- Advance Life Safety
- Advance Security

#### Control and Management

- Digital Twin and AI
- BIM 6D
- Smart Metering System
- IoT
- Robotic and Automatic System

#### Performance Improvement/ Replacement

- ESCO (Energy Services Partner)
- Performance Guarantee Partner:
  - Chiller Plant,
  - Wastewater Treatment Plant
- Power Quality

### Visitor Profile

#### City Developer

- Government Agencies:
  - MEA, PEA, MWA, PWA, BMA,
- กรมโยธาธิการและผังเมือง

#### Developer

- Top 10 Developer
- Excellence Center Healthcare Facility
- Mixed-use Commercial
- Residential
- Office
- Hospitality
- Bank
- Retails

#### Designer

- Architect
- MEP Engineer
- Civil and Structure Engineer
- Interior Designer

#### Facility and Asset Management

- Top 10 Facility and Asset Management and local building operator

#### Contractor and Consultant

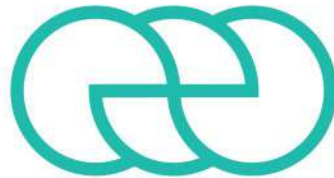
- Main Contractor
- MEP Contractor
- Project Management
- Construction Management
- QS
- Sustainability and Green Consultant
- Professional Association

Decarbonization



**Exhibitor contact :**  
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# THE NOVA EXPO 2025

12-14 MARCH 2025 **BITEC**

Connected Dots



[www.thenovaexpo.com](http://www.thenovaexpo.com)

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