



# 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

\*Update 20 Nov 2024

\*The seminar topics are subject to change.

# Conference Program

**Free!!**

Stay updated on Pre-registration at

Facebook Fanpage: thenovaexpo

Website: www.thenovaexpo.com



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

12-14 MARCH 2025 **BITEC**

## 12 March 2024

Main Stage		Conference Room 1		Conference Room 2	
08.45-12.15	Opening Ceremony	08.45-12.15	Opening Ceremony	08.45-12.15	Opening Ceremony
13.00-14.00	Sustainable Exhibition Design Awards	13.00-14.00	Green Innovation Revolution ทรูปลูกจาก Workshop	13.00-14.00	แผนจัดการน้ำอย่างยั่งยืนสำหรับ ประเทศไทย: แนวทางแก้ปัญหา ทรัพยากรน้ำในอนาคต
14.15-16.30	Nova Awards	14.15-15.15	Green Fund/ Taxonomy: ทำอย่างไรถึงมีสิทธิ์ได้ Green Fund	14.15-15.15	Greening the Supply Chain: Strategies for a Sustainable Future ยุทธศาสตร์เพื่ออนาคตที่ยั่งยืน
		15.30-16.30	The Future of Green Real Estate: Embracing Innovation for Sustainable Growth	15.30-16.30	Net Zero C Construction: แนวทางสู่การปล่อยคาร์บอนสุทธิ เป็นศูนย์ ในอุตสาหกรรมก่อสร้าง

## 13 March 2024

Main Stage		Conference Room 1		Conference Room 2	
10.00-11.00	Thailand Data Center: OPPORTUNITIES	10.00-11.00	Next Steps in New Regulations for Decarbonization: What Developers Need to Know ข้อกำหนดและกฎระเบียบใหม่ เกี่ยวกับอาคารคาร์บอน และวิธีที่ผู้พัฒนาอสังหาริมทรัพย์ ควรเตรียมตัว	10.00-11.00	Greener Future with Natural Materials
11.15-12.15	Green Data Center "The Breakthrough": ทรูปลูกเลือก ข้อจำกัดของไทย และการสนับสนุน จากภาครัฐ	11.15-12.15	Innovating for Tomorrow: Green Technologies in Real Estate and Urban Development *นวัตกรรมสีเขียว การเพิ่มคุณค่าและมูลค่าโครงการ *เทคโนโลยีที่จะเปลี่ยนแปลงการพัฒนาอสังหาริมทรัพย์ การพัฒนาเมือง	11.15-12.15	A Green Transformation in Building Main Structure
13.0-14.00		13.0-14.00	Smart Buildings and Green Solutions: Shaping the Future of Sustainable Architecture	13.0-14.00	Private Utility Services: Cooling as a service
14.15-16.30	Nova Talk	14.15-15.15	The Carbon Footprint of Traditional Construction: Challenges and Solutions	14.15-15.15	Embodied Carbon: Tackling Carbon Emissions in Building Materials
		15.30-16.30	Innovative Techniques for Accelerated Building Construction	15.30-16.30	Renewable Energy vs. Carbon Capture: แนวทางไหน เหมาะสมสำหรับอนาคตสีเขียว?

## 14 March 2024

Main Stage		Conference Room 1		Conference Room 2	
10.00-16.30	Stage of Designers Award Presentation	10.00-11.00	Sustainable Cities and Green Innovation for a Better Future ไฟฟ้ที่การออกแบบเมืองอย่างยั่งยืน โดยใช้นวัตกรรมที่ช่วยลดผลกระทบต่อสิ่งแวดล้อม	10.00-11.00	บ้านขึ้น: นวัตกรรมเพื่อการทำความเย็น อย่างประหยัดพลังงาน
		11.15-12.15	New City Development: Pioneering Urban Projects for the Future การพัฒนาเมืองใหม่: โครงการนำร่องเพื่อสร้างเมือง แห่งอนาคต	11.15-12.15	Innovation Pavilion, The Net-Zero Carbon: ทำอย่างไรให้อาคารเป็นศูนย์
		13.0-14.00	Operation Carbon: Reducing Carbon Emissions in Building Operations for a Sustainable Future	13.0-14.00	Cool Façade: Redefining Energy Efficient Building Exteriors
		14.15-15.15	Building Enhancement, the greenest future อัพเกรดอาคาร โอกาสในสังคมคาร์บอนเป็นศูนย์	14.15-15.15	Future of Clean Air การกรองอากาศไม่ต้องล้าง: นวัตกรรมเพื่ออนาคตอากาศสะอาด

# ‘เขียวด้วยใจ’

## 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

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

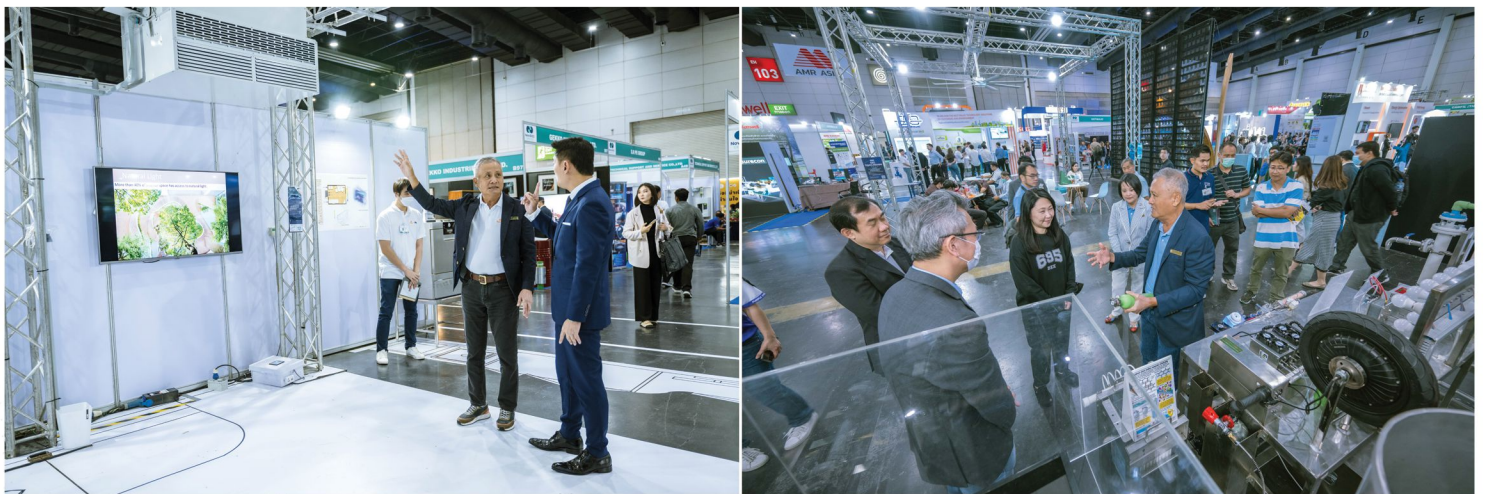
ชิงทุนการศึกษา รวมกว่า **230,000 บาท!**

# The Nova Expo's Activities

## Inspiration Stage



## Innovation Pavilion



## Stage of Designers Award



# The Nova Expo's Activities

## Nova Award



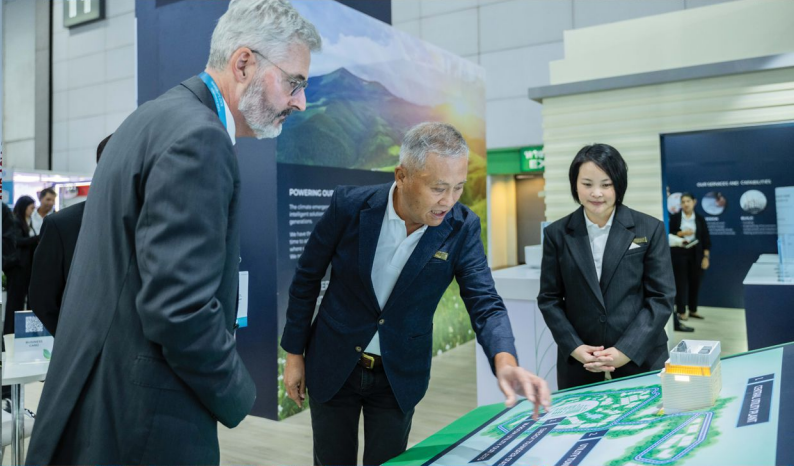
## Exclusive Tour



## "Connected Dots" (Networking Session)



Photo Release



# Photo Release





# Photo Release





สุดคึกคัก ! Nova BUILD EXPO 2023 งานแสดงนวัตกรรมอาคาร  
แนวหน้า เพื่อสิ่งแวดล้อมที่ดีและโลกที่ยั่งยืน คาดเงินสะพัดหลาย  
by Brand Buffet - Team | 13 September 2023



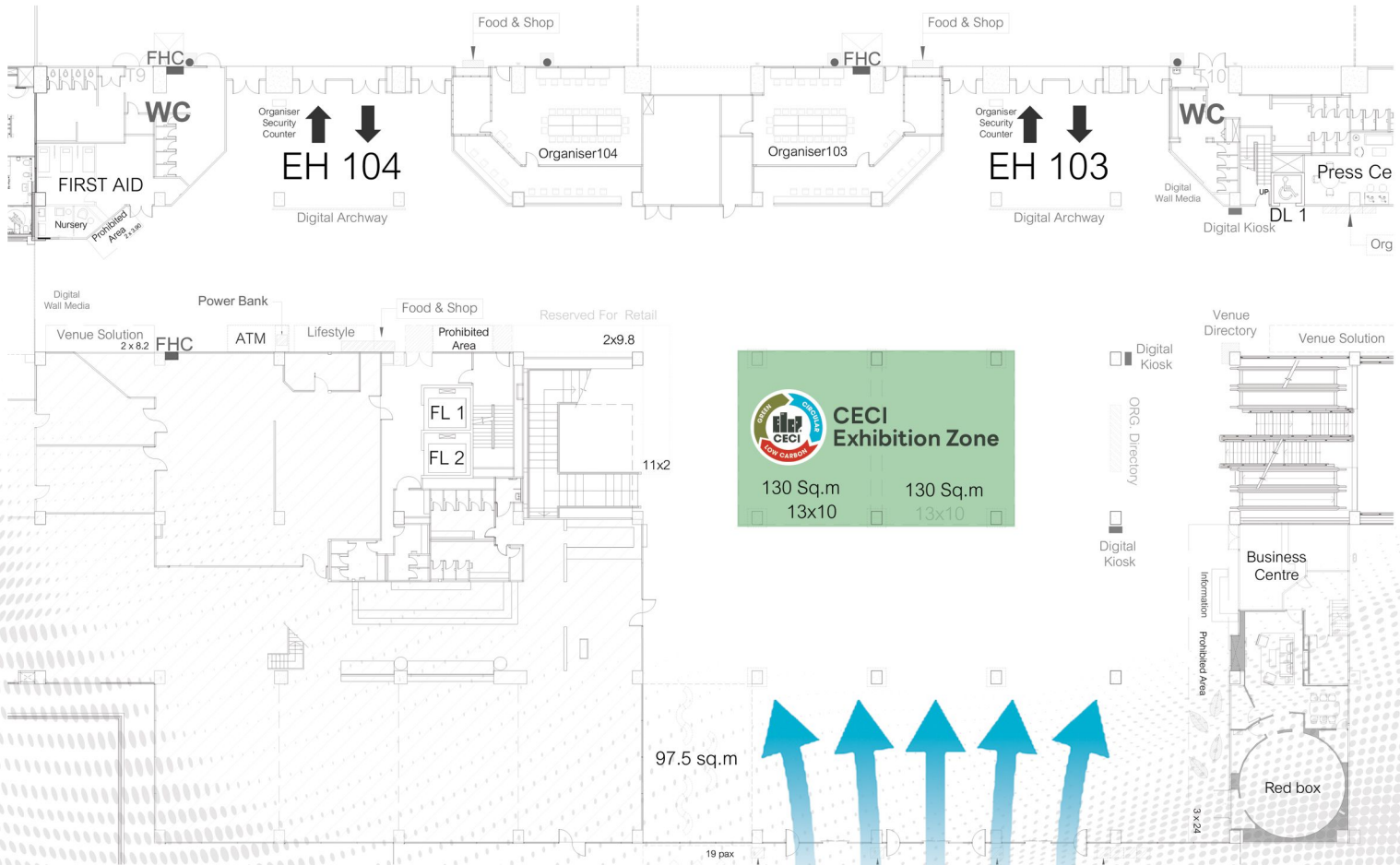
**กรุงเทพธุรกิจ**  
เปิดแล้ว Nova BUILD EXPO 2023 งานแสดง  
นวัตกรรมอาคารระดับโลก

**ประชาชาติธุรกิจ**  
เปิดงานแล้ว ! งานแสดงนวัตกรรมอาคาร  
ระดับโลก Nova BUILD EXPO 2023

**MGR ONLINE**  
Hot Share  
เปิดแล้ว Nova BUILD EXPO 2023 งานแสดง  
นวัตกรรมอาคารระดับโลก



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BOOTH SIZE

- V 60m<sup>2</sup>
- S 48m<sup>2</sup>
- A 24m<sup>2</sup>
- B 12m<sup>2</sup>
- F&B
- Service

Booking

- 60m<sup>2</sup>
- 48m<sup>2</sup>
- 24m<sup>2</sup>
- 12m<sup>2</sup>

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Scal 1:1 M

Organized by



Hall 104

Hall 103



FLOOR PLAN Update: 25 November 2024



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# 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

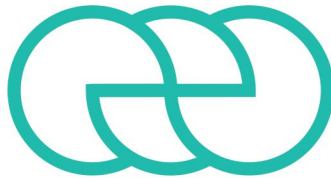
#### Contractor and Consultant

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

Decarbonization



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# THE NOVA EXPO 2025

12-14 MARCH 2025 **BITEC**

Connected Dots



[www.thenovaexpo.com](http://www.thenovaexpo.com)  
FB : The **NOVA** Expo  
Phone : 099 914 8394

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