

# Midsummer unveils solar powered bus shelter in Bangkok in collaboration with Thai university

**Midsummer Siam has entered into a collaboration with Chulalongkorn University Faculty of Architecture in Bangkok to advance climate-positive architecture and renewable energy integration in Thailand. Just launched is the world's first carbon-negative bus shelter that can be used for lighting, fans, mobile charging and digital traffic guiding systems.**

"This is a prime example of future energy-generation in urban environments: smart, small-scale and distributed solar energy, utilizing existing and new infrastructure like roofs facades and vehicles to bring clean electricity directly the users. And enabled, of course, by Midsummer's light and durable thin film solar panels that are ideal for these purposes," said Lars Svensson, Representative of Midsummer Siam and Head of Strategic Partnerships and Business Development ASEAN for Midsummer AB.

The Memorandum of Understanding (MoU) signed by the Faculty of Architecture at Chulalongkorn University and Midsummer Siam Co., Ltd., the Thailand subsidiary of Swedish solar technology company Midsummer AB, covers collaboration on renewable energy integration, sustainable architecture, low-carbon construction systems and climate-positive urban development in Thailand.

The collaboration aims to explore how advanced renewable energy technologies and sustainable building systems can contribute to Thailand's decarbonization ambitions and future urban transformation.

As part of the collaboration, the parties have jointly supported the development of what is believed to be the world's first carbon-negative solar bus shelter prototype, located in front of the Faculty of Architecture at Chulalongkorn University in Bangkok.

The bus shelter prototype combines engineered wood construction — functioning as a long-term carbon sink — with fully integrated lightweight thin-film solar panels from Midsummer. The integrated solar roof generates renewable electricity that can be used for lighting, fans, mobile charging and digital traffic guiding systems while demonstrating new possibilities for climate-positive public infrastructure adapted to tropical urban environments.

The initiative serves as a research, innovation and demonstration platform exploring how architecture, renewable energy and sustainable materials can be integrated into future low-carbon city systems.

The project may also contribute to future urban sustainability initiatives and inclusive city development efforts in Bangkok and beyond.

**Assistant Professor Sarayut Supsook, Dean of the Faculty of Architecture, Chulalongkorn University, commented:**

“This collaboration demonstrates how universities can serve as platforms for real-world sustainability innovation. By integrating architectural design, renewable energy, and sustainable materials, we can explore new urban solutions that respond to both climate and societal needs. I would like to express my sincere appreciation to the Embassy of Sweden in Bangkok, the Embassy of Japan in Bangkok, and all partners for joining Thailand on its journey toward a more sustainable future of living.”

**Lars Svensson, Representative of Midsummer Siam and Head of Strategic Partnerships and Business Development ASEAN for Midsummer AB, commented:**

“This project shows that renewable energy integration can become part of architecture itself – not something added afterwards. Lightweight thin-film solar technology creates exciting new opportunities for climate-positive buildings and public infrastructure, especially in dense tropical cities.”

The collaboration will further explore opportunities related to:

- Building Integrated Photovoltaics (BIPV)
- Sustainable urban infrastructure
- Tropical climate architecture
- Low-carbon and circular construction systems
- Renewable energy integration
- Academic and industrial research collaboration
- Academic training collaboration
- Pilot and demonstration projects

Midsummer’s thin-film CIGS solar technology is designed to provide lightweight, flexible and low-carbon renewable energy solutions suitable for roofs and surfaces where conventional solar systems may be difficult to deploy.

Links to images and other press material: [Press – Midsummer](#).

For additional information contact:

Peter Karaszi  
Head of Communications, Midsummer  
Email: [peter.karaszi@midsummer.se](mailto:peter.karaszi@midsummer.se)  
Tel: + 46 70 341 46 53

About Midsummer

Midsummer is a Swedish solar energy company that develops, manufactures, and sells solar cells to construction, roofing and solar cell installation companies and also manufactures, sells and installs solar roofs directly to end customers. The company also develops and sells equipment for the production of flexible thin film solar cells to strategically selected partners and machinery for research. The solar cells are of CIGS technology (consist of copper, indium, gallium and selenide) and are thin, light, flexible, discreet and with a minimal carbon footprint compared with other solar panels.

The solar roofs are produced in Sweden using the company's own unique DUO system which has taken the position as the most widespread manufacturing tool for flexible CIGS solar cells in the world. The Company's shares (MIDS) are traded on Nasdaq First North Growth Market. The Company's Certified Adviser is Tapper Partners AB. For more information, please visit: [midsummer.se](http://midsummer.se)

## Image Attachments

---

### Midsummer Bus Shelter

## Attachments

---

[Midsummer unveils solar powered bus shelter in Bangkok in collaboration with Thai university](#)