



AIT
Asian Institute of Technology

AIT - NSTDA Friendship Bridge Design Competition - Information

Organized by :

Office of Sustainable Campus (OSC) in alliance with the Structural Engineering Forum (SEF) and supported by Aurecon, Thailand.

1. Background

AIT aims to take the lead in practicing and promoting sustainability – by establishing an all-encompassing botanical garden on its campus. This initiative builds on the previous campus plans, and it represents a significant leap forward toward making the entire AIT a fully-fledged botanical garden with a target to be Net Zero by 2030.

2. OUR PLAN:

Public Botanical Spaces: Open to Wider Public Access for Social Contribution: People are integral to our vision for an open and inclusive public space. While botanical gardens and arboretums are beautiful places for relaxation and reflection, *Botanical Garden Campus Towards Net Zero* serves a higher purpose. AIT's Public Botanical Garden spaces will be environmental stewards, outdoor classrooms, and living laboratories, and add great value to campus life by offering hands-on learning experiences and research opportunities that students and visitors won't easily find anywhere else. A new Botanical Garden will be added to the western part of the campus, and open spaces will prioritize pedestrians and cyclists. AIT will make every effort to share its campus and knowledge and contribute to the greater public good through local learning and outreach programs, courses, camps and workshops.

Wooden Bridge Connecting to NSTDA: Strategically located adjacent to the National Science and Technology Development Agency (NSTDA) Thailand Science Park, the country's largest science and technology research park, and neighboring Thammasat University, the AIT campus was recently granted the special status of 'Science and Technology Park' by the Thailand Board of Investment (BOI). Operating under the Prime Minister's Office, the BOI promotes foreign investment in Thailand by providing information, services, and incentives to interested foreign investors. To physically connect to our neighbor, Botanical Garden Campus Towards Net Zero includes construction of a signature Wooden Bridge for pedestrians linking NSTDA and AIT. This will also signify the Institute's intention to reach out to Thailand's top scientists, enterprises, and entrepreneurs and invite them to participate fully in our sustainable campus.



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For more information on the overall plan of Net Zero Campus by 2030, please watch the below video.

<https://www.youtube.com/watch?v=jMVVU3HgU7A>

3. **Who can join the competition** : We invite the potential Inter University students, staff, researchers faculty and technical experts, by soliciting their innovative ideas to design a visual architectural model of a "Friendship wooden Bridge" that AIT intended to be build very soon between [AIT](#) and [NSTDA](#) on the west end lake. The bridge will connect the AIT's Public Botanical Garden spaces, where various types of ecosystems and biodiversity can be found, thereby providing a place for nature-human harmonization in the center of one of Asia's most urbanized settings.

4. **For location and dimension of the Bridge:**

[Click here](#)



5. **Link for the location if you would like to visit the site**

<https://maps.app.goo.gl/pdfKr4y36JwuV9cs5>

Note can be viewed either from NSTDA side or AIT side of the Canal



6. Estimated dimensions of the bridge : Elevation and Width

- 20-meter clear span length with 3.5-meter extensions on either side to meet the road
- 2 lanes, with 3 meters each lane, one pedestrians and other cycle lane
- The elevation of the bridge should be good enough for the maintenance boat to pass

7. Other expectations of the design

- We are expecting to see a architectural design culturally rich wooden bridge
- Design must be aesthetically pleasing
- Design must be Economical and Sustainable
- Thai or Japanese or any Cultural heritage design is preferred

8. Who will choose the winner:

The judging committee will include AIT expert, Thammasat Expert, Aurecon expert and technical expert and members of AIT management team.

9. Information on submission of the Architectural Design

What is expected to submit ?

1. Architectural design of the bridge
2. Visual 3D view of the design
3. Submit your presentation 1. Concept of the design 2. Architectural design 3. Visual 3D view 4. Technical and other details as needed.

Note : Shortlisted participants will be invited to present their concept and design to the judging panel

10. Where to register and submit the presentation and drawings ?

Click here for registration

https://docs.google.com/forms/d/e/1FAIpQLSdqmtsX34ZVzVWEuPelJay3YxFFvXBJun6Ks_LZwya72Z7trw/viewform

11. Winner Privileges :

- The honor of adding his/her name on the bridge as the designer of the bridge where the designer name will remain in the history of AIT.
- A cash prize of 30,000 THB sponsored by Aurecon, Thailand.

12. Responsibility of the designer and terms

The designers will comply with the works submitted as their own work and will be responsible for claims of ownership of the designs. In possible cases of



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plagiarism related to the same the designer will be disqualified and will be excluded from the participation list.

The designs submitted for this competition subsequently will be used by AIT as needed. Design shortlisted will remain exclusively for AIT until the final winner is announced and cannot be used for submitting anywhere else.

Thank you for your participation. For any further queries you can send an email director-osc@ait.ac.th or call at landline 025246008 or mobile 0908896625 (Line or whatsapp)



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Supported By
aurecon
Bringing ideas to life



DEADLINE
22 OCTOBER, 2023

Venue
Asian Institute of Technology,
Klong Luang, Pathum Thani



bit.ly/Friendshipbridgedesign



WINNER ANNOUNCEMENT
NOVEMBER, 2023



WINNER AWARD

- The designer's name inscribed on the bridge
- Cash Prize 30,000 THB

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Forum (SEF)

More Information

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WOODEN BRIDGE DESIGN
Competition