

Country / City	Т
University / School	King Mongkut's Institute of Tee
Academic year	
Title of the project	Thachalom Fishing V
Authors	

Thailand, Samutsakorn Technology Ladkrabang 2019/2020 g Vessel Learning Center Chaiyot Kiewkaew



## **TECHNICAL DOSSIER**

Title of the project	Thachalom Fishing Vessel Learning Center
Authors	Chaiyot Kiewkaew
Title of the course	BLA/Landscape Architecture Thesis
Academic year	2019/2020
Teaching Staff	Worrasak Luangsuwan
Department/Section/Program of belonging Landscape Architecture/BLA	

King Mongkut's Institute of Technology Ladkrabang University/School

Written statement, short description of the project in English, no more than 250 words

Once known as fishing vessel manufacturing district and the largest port town in the coastal plain of central Thailand for many decades, Thachalom is now facing environmental degradations, lacking public spaces, and the disappearing knowledge of traditional fishing vessel manufacturing. This project is proposed as a part of the historic Mahachai Fish Market - Thachalom district development plan for community-based tourism by incorporating the principles of resilient design and advanced active learning concept, in order to revive its lost identities and providing holistic development for the community.

The site is located on the bank in the estuary of the Thachin River, covering a total area of 21.35 acres. To help mitigate the issues from the development, the project proposes a public park and the learning center that promotes ecological restoration, heritage identities, and community engagement. It is divided into three main parts based on the functions and their relationships to the city: public zone, learning zone, and industrial zone. The public zone provides recreational spaces for the community and acts as transition space, connecting the site to its surroundings. Learning zone displays the natural changes of the site and the locals' way of life, while the continuously-operating dockyard in the industrial zone opens its door for people to learn about the traditional fishing vessels and their construction processes. This project integrates the natural features and native species into the public space, while adapts Thachalom's fishing vessel components into design elements for educational purposes, making Thachalom's heritages survive in the rapidly changing world.

For further information Máster d'Arquitectura dePaisatge - DUOT - UPC

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# **CLIMATE CHANGE AGAIN**

11th International Biennial Landscape Barcelona



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Barcelona September 2020 SCHOOL PRIZE



## AMPHITHEATER SCENARIO





LEARNING ZONE DIAGRAM





LEARNING F







Industrial area is developed from exisiting Mongkol Prasertchai dockyard by adding more the educational functions and proposing new wide span roof structures (rigid frame) for the aesthetic and functional purposes. The design derives from the existing site from the past to the present.

SHIP SLIPPER LINE







The proposed new buildings around the existing factory are designed to catch the visitors' attentions and make them slow down. The new buildings create the boundaries preventing people from entering dangerous area, and provide more learning facilities, that the ground floor is occupies by operation and system management, while the second floor is used as exhibit spaces.

#### SHIP BEAM



SAFETY OFFSET SPACE



WIRELESS DATA LEARNING

SERVICE ENTRANCE









