LEARNING CENTER OF SUSTAINABLE INDUSTRIAL TEXTILE AND FASHION SAHA-UNION

Union Textile Industries Public Company Limited, Bangpoo Mai, Samut Prakarn Province, Thailand

Area: 211 rai (337,600sq.m)





Country / City	THAILAND
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University / School KASETSART UNIVERSITY

Academic year 2019 – 2020
Title of the project LEARNING CE

Authors

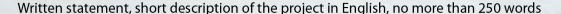
LEARNING CENTER OF SUSTAINABLE INDUSTRIAL TEXTILE AND FASHION SAHA-UNION

THANUT NGAMDECHO



TECHNICAL DOSSIER

Title of the project	LEARNING CENTER OF SUSTAINABLE INDUSTRIAL TEXTILE AND FASHION SAHA-UNION
Authors	THANUT NGAMDECHO
Title of the course	FINAL GRADUATE PROJECT
Academic year	2019 - 2020
Teaching Staff	Asst. Prof. M.L. Vudipong Davivongs, Ph.D
Department/Section/Program of belonging	
	FACULTY OF ARCHITECTURE, LANDSCAPE ACHITECTURE
University/School	KASETSART UNIVERSITY



Nowadays, environmental impacts are becoming more attention and awareness to people. As a result, various businesses pay more attention to social responsibility to serve modern consumers. The textile and fashion industry is the second largest environmental impact industry in the world. In addition, capitalism dominates consumers with excess demand, leading to "Disposable society" which is the root cause of problems in many areas. Sustainable Textile and Fashion Industry Learning Center is a project that aims to give knowledge about sustainable fashion and environmental friendly to people of all ages to change their mind and realize the value of resources. The renovation of the utility both inside and outside the building creates activities and relationships between people and the ecosystem in terms of quality of life, economic and environment. By using the circular economy concept. It focuses on maximize resource benefits such as reuse, recycle and reduce the purchase of new unnecessarily clothes. In addition, the project also focuses and supports the participation of volunteers in campaigning, education and environmental conservation activities in many areas. Participants can absorb and use it in daily life. Moreover, it promotes interaction between people in the project and surrounding communities.

For further information

Máster d'Arquitectura del Paisatge -DUOT - UPC

T: + 34 93 401 64 11 / +34 93 552 0842 Contact via email at: biennal.paisatge@upc.edu Máster d'Arquitectura del Paisatge -DUOT - UPC
ETS AB - Escola Tècnica Superior
d'Arquitectura de Barcelona
Avenida Diagonal, 649 piso 5
08028 Barcelona-Spain

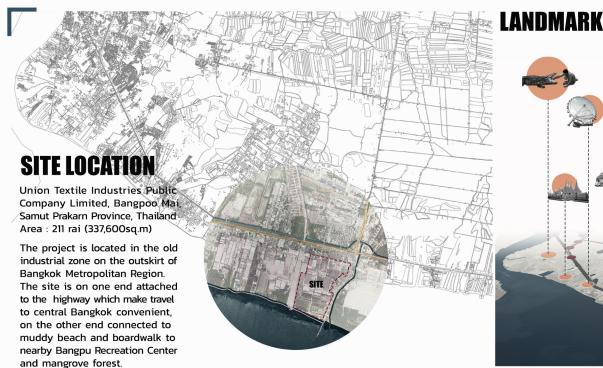




CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020 SCHOOL PRIZE



Bang Pu district located in Peri-urban that was developed to be tourist attraction near capital city and sea in the past. There are many tourist attractions such as ecotourism, cultural tourism and recreation tourism so I see potential to improve this project to be learning center. It can be magnet with other tourist attractions and new choice for tourism.

EXISTING CONDITIONS







BUILDING USAGE

Weaving Factory







VEGETATION

- Copse



BUILDING

PRODUCTION



IMAGE IN SITE





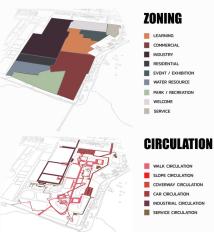




MASTER PLAN



SYSTEMATIC PLAN



BUILDING

COMMON BUILDIN

SERVICE





PROJECT STRATEGY

This project was developed from the problems after closing silk factory where it was abandoned within the project and taxation of vacant land from the government. The solution was created for modifying the organization by using areas and elements in the project. The developing project's method is a new trade of marketing that concerns about environment and stakeholders more than business profits. This method is called CSR IN PROCESS - CSR is included production, distribution and marketing.

Production - Production process can recycle waste and reduce using virginplastic in the product

Distribution - Distribution process that was considered about the circular economy focuses on maximize resource benefits such as selling surplus fabric form the production process, clothing repair and rental service.

Marketing - Marketing focuses on value creation through place by creating story about environment impact, solution andnew image of organization.

CONCEPT

The concept is a new marketing tool for showing sincerity of the organization to consumer. We question for criticizing " the effects of the fashion industry are caused by its scale that is very small or it's concealed".

A design concept is "Reveal" because this word reflects image of industry like a hidden and concealed place. The concept was designed by adapting existed areas and elements in the project. For examples, creating the space for people to achieve knowledge and relax. Design process of learning are revealed through landscape by story sequencing which connecting visual between site and context.

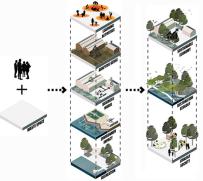
ISSUE: INVISIBLE IMPACTS SCALE / CONCEALED ?



CSR IN PROCESS

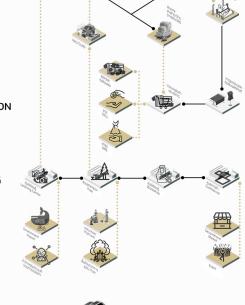








CSR IN PROCESS





CLOSE SITE

UNRAVEL





ACTIVITIES & RECREATION



ENCLOSURE SUNKEN



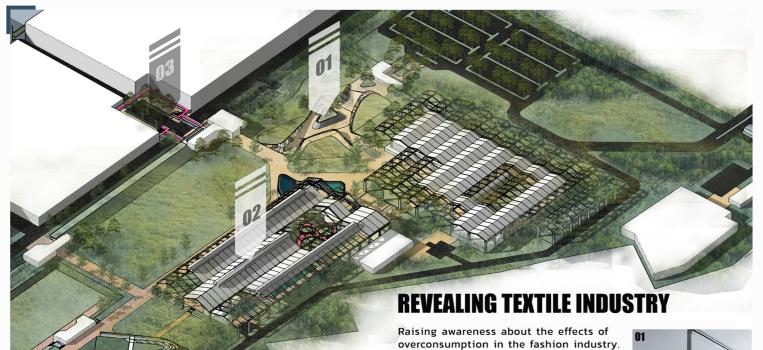
BERM

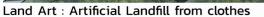
EXPLODE STRUCTURE

GREEN INTERPENETRATION

SKYLIGHT

FACADE







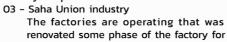
Sculpture : Realize about microplastic from clothes

The building was old dyeing factory. It was developed to be learning building by adaptive reuse.

to be outdoor exhibition. 02 - Sustainable fashion museam

01 - Awareness Environmental impacts

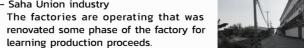
zones for learning.



This area was improved from waste space

The project shows the content about problems, impacts and solutions by design landscape and architecture. Our goals need people to

understand and adapt knowledge with their daily life. Revealing textile industry is to show sincerity of the organization for responsible effects of our business operation. There are 3







Trail for walk and see the factory









(1) (1)











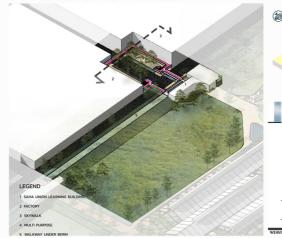




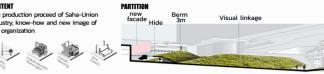




03 - SAHA UNION INDUSTRY





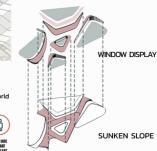












SECTION B

LAND ART

DESCRIPTION

of black friday weekend.

One truck of textiles in landfilled or

incinerated every second as a result



fibres make their way into our oceans, where they are swallowed by sea life and become incorporated into the food chain, potentially







SCULPTURE

DESCRIPTION

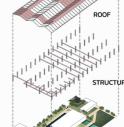
Each time an item of

clothing is washed up

to 700,000 microscopic

ending up on our plates

















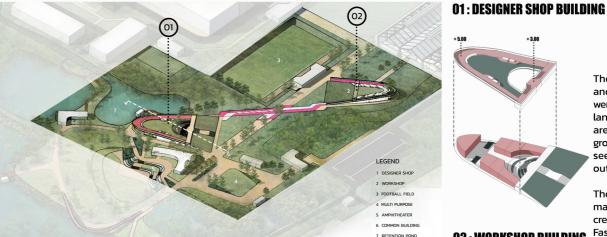






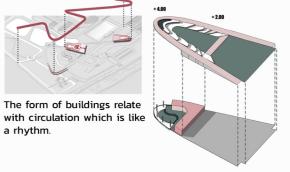


04 - CIRCULAR ECONOMY COMMUNITY



The designer shop building and the workshop building were designed blending with

02: WORKSHOP BUILDING

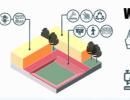


landscape. Building's roofs are garden that slope to the ground. People can relax and see view both inside and outside the project. The project collaborate with many fashion designer for creating campaign - Circular Fashion. Many shop use

concept about circular economy to do their business. For example, dress rental, sell and buy second hand clothes, mending and upcycling clothes.

The workshop building give knowledge about how to extend the life of your clothes. People are practiced sewing clothes for using in daily life and re-design their clothes.

DESIGNER SHOP COMMUNITY



-**†**@@

WORKSHOP BUILDING



LEARNING HOW TO RE-DESIGN& UPCYCLING



HANDCRAFT WORKSHOP



a rhythm.

