

"Water Link" is a new project for Yangon to become an ideal and sustainable Asian city The primary purpose is to improve and connent Buddhism with the lives of Yangon. In addtion, through the applications of simulation and analysis tools, this plan also emphasizes the feasibility ,safety, and sustainabiliyin city development Hopefully through the planning of energy and ecology Yangon will become a livable city for the residents.

DESIGN CONCEPT

Myanmar is based on Burma (a country of Buddhist values). Hence, our design draws influence from Pure Land Buddhism, by establishing the paradise of the Buddha as the basis of the Buddha to create multiple levels. As a result, we can link the idea of water and its importance to Buddha, with people living in Buddhist Land, to symbolize safety and assurance through its water.



GREEN SEED

Yangon used to be called the "Garden City." Therefore, with the concept of green seed plan and the use of Point, Line, Surface*, we can connect Yangon with its original environment. The development of a green sustainable environment can make Yangon comfortable and efficient; in addition to coexisting with its natural environment.



TRANSPORTATION SYSTEM ANALYSIS

Transportation system mainly include transportation transit station, light railway, bicycle power station route planning.



FACILITY PLANNING

Public facilities mainly focus on traffic and life. We hope the new traffic (Green Seed -Plan) can solve the traffic jam problem, and improve the quality of life.

Light Railway

Social Housing

crease carbon pollution in city.

Secondary Station

Secondary station provides additional cap- Light rail is one of the important role of Gr- Detention basin and watacity and function. It can reduce the afford een Seed Plan, it's make less noise and deof main station.



Bicycle Station

Bicycle is environment friendly, our bicycles can store power to the battery by riding.



Pier

ourism.



ECO ANALYSIS

The analysis of sun and its lighting through "Designbuilder" software can achieve a more effective way of saving energy and a comfortable space for living. With this usage of natural light with flora, we can create a more sustainable environment.



SUSTAINABLE PLANNING

Sustainable planning includes rainwater recovery systems, power generation and energy saving design

Detention Pool erway are set in the streets of Yangon. Its purpose is to store water during rainy seasons and avoid floods.

Transit Station Water Resources

By installing water resources pipelines, it will increase the storage of water. Therefore, wasting less of it, achieving a more sustainable environment.

Rainwater Recovery

-Street

Rainwater recovery system is a system which rainwater can be collected and redirected into a basin to be stored.

-Viaduct

Viaduct water storage system uses viaducts and irrigation systems to collect and redirect rainwater through pipelines, guiding it into a flood detention pool.

Road Power Generation

Power generating systems uses roads and sidewalks through motion sensitive tiles, generating energy when cars and people are moving.

Transit Station Power Generation System

Installations of thin so lar cell film on windows will be able to capture about 80% of the light and turn it into usable electricity.

DISASTER PREVENTION

Xpswmm software can predict the possible depth of floodplains and upper sea levels. With this information, rainwater planning and disaster prevention can come in handy during natural disasters.





It provides economic and safe housing, im-

proving the life quality of local residents.

Resident Market

It offers more choices of traffic to reside- Market is an important part of Yangon culnts and bring the benefit of leisure and t- ture. The market in the station can stick residents together.























