

Earth

Restoring indigenous flora and fauna. Not only contains lots of cultural heritage, this area also represents abundant nature with rich natural resources. By restoring fertile soil surface with the original landscape, consisted of Grassy woodland and Coastal dune scrub, the park can supports nature study. With bio swale, it also acts as detention basin and helps filtering pollution in storm water runs-off. Permeable grass paver were installed in some areas to provide spaces for community events such as flee market, which promote social interaction. People would realize about relationship between human and nature in the past, present and future.

Water

Water Management. Water is an essential part for ecological park. With the area of 18,336 square meters, the landscape requires approximately 42,000 litres of water per day. Water will be pumped from underground water and stored in the water tank, made from laminated glass with the capacity of 430,000 litres. Water will be dropped down and flow along the rail with gravity to feed plants in the park. The rail runs around the site to ensure that plants will be thoroughly watered and to promote visibility from the wheels. During the process, water will pass through the Hydro Power Motor to generate extra electric power. Remaining water can serve nearby places such as Palais Theatre and Luna Park.

Wind

Utilizing wind power to propel the mechanism. Wind blows from North, South and West directions of the site, but there are some buildings around the site those block wind directions. Thus, tall tower with vertical axis wind turbine was chosen for efficiently utilizing wind power, to drive the mechanism like the giant automata and mechanical toy that real-sized human are allowed to join by taking wheels to travel all around the site.

Solar

Gaining energy from excessive sunlight. Rail's bases were installed with transparent solar cells those can generate power, while not block sunlight and visibility during daytime. With total solar cells area of 3,706 square meters and average solar radiation of 3.45 kWh/square meters/day, these transparent solar cells can generate 639.42 kWh energy output per day (around 5 percent efficiency rate).
The generated power will be used for 2 main purpose;
1. Powering up LED Strip Street Lights, installed along the bottom of the rail for efficient lighting in the nighttime. The lights require 40.32 kWh per day. Lighting will not be provided only for the site but also for Luna Park because the rail will run continuously around Luna Park. So the area will be usable for 24 hours with safety.
2. Providing energy for the water pump. With 600 lpm rate, the pump requires 36 kWh per day. It will be able to fill in the water tank within 12 hours of operation.

Play

This area comprises of playful culture for ages. Since the Palais Theatre, Luna Park until this Land Art, it will be the next entertaining place for all generation with the combination of recreation and exercise facility. Various texture pavements can sync with user's physical for more effective exercise create extraordinary experience of walking. Visitors can enjoy magnificent view and nature, promote good health and help generating electric power in the same time by traveling around in the wheels. These wheels were designed in various styles to make sure that all generations can enjoy using them, they can also be adapted with bicycle. Electromagnetic component were embedded in the edges of wheels and rail. When the wheels start moving, they will generate electric power that will be stored in the battery which located in the tower for further use.

