

## Abstract

Sparkling. This is going to be the primary impression of the installation from afar, of the future of the world with clean energy.

The topic talks about 3 elements. People, Energy, and Nature.

These three are linked in all ways.

People stays on the top, as we consume and take from both energy and nature.

Energy used to be obtained from nature entirely. Our intelligence allows us to research and look for new forms of energy resources.

Nature being the one that always gives, has been raising concerns in many parts of the world.

Thus, this is hopefully where the balance begins, of the triangular relationship between human, nature and energy.\_

## Relationship between energy and nature

Where energy harvested powers the irrigation system. This would be able to show and raise awareness that it is time to use technology to bring life back to nature.

## Energy

The type of energy to be used is solar.

Solar panels with reflective surfaces could help to achieve the sparkling effect, which is what can be translated as the future with clean energy. With such effect, the installation can be a good back drop for the little mermaid statues, and which will then draw people's attention and thus the awareness of sustainability.

## Basic energy consumption:

Water pumps x 10  
= 4kwh x 24 h x 10= 960 per day

Basic solar efficiency  
ave. solar energy per day  
=4.61kwh/m<sup>2</sup>/day

Pv cell efficiency  
=15%

Total area of pv cell  
=approx 7000 m<sup>2</sup>

Hence, ave. amt of energy  
4.61x15%x7000  
= 4840.5kwh/day