

LAGI 2018 ART + ENERGY CAMP

October 3–5, 2018
Port Phillip EcoCentre



St Kilda Halo by Pete Spence, Hiroe Fujimoto, Sacha Hickinbotham, Michael Richards, Alison Potter, Jason Embley, Michael Zito, and Robert Butler is a submission to LAGI 2018 Melbourne.

The artwork uses silicon photovoltaic thin-film (Sphelar®) to generate 2,000 MWh per year.

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land art generator initiative
RENEWABLE ENERGY CAN BE BEAUTIFUL

DESIGN SITE

St Kilda Marina

The design site is St Kilda Marina. The 50 year lease to Australian Marinas will expire on 30 April 2019, at which point the site will be available for regeneration. The City is in the process of securing a new lease arrangement, which will bring a new masterplan that is the outcome of an extensive community engagement effort. This workshop is an opportunity for you to share your vision for the future of the site.





1

ENERGY: Your artwork must be designed as a three dimensional form that uses renewable energy technology as a primary media for creative expression. In your written description tell us what technology you've integrated and why.

2

CONTEXT: How will your artwork fit onto the existing design site? Does it complement the view of the Port Phillip Bay horizon? Does it work with the western sea wall and pedestrian paths? How will people interact with it? Do you want them to climb on it? Can they participate in energy generation? What does it look like from a distance? Illustrate how large your artwork is by placing people, surrounding buildings, and recognizable objects into your drawings. In your sketches, show some key dimensions. Make sure that you stay within your chosen site boundary area.

3

STORY: Develop a message that you want to communicate to the people who will come to see your artwork (we'll call this your "concept"). Your message or concept can be absolutely anything you can imagine. It could relate to history of the place, an issue important to you, a reflection of nature, or a fictional story. Tell us about it in your written description.

4

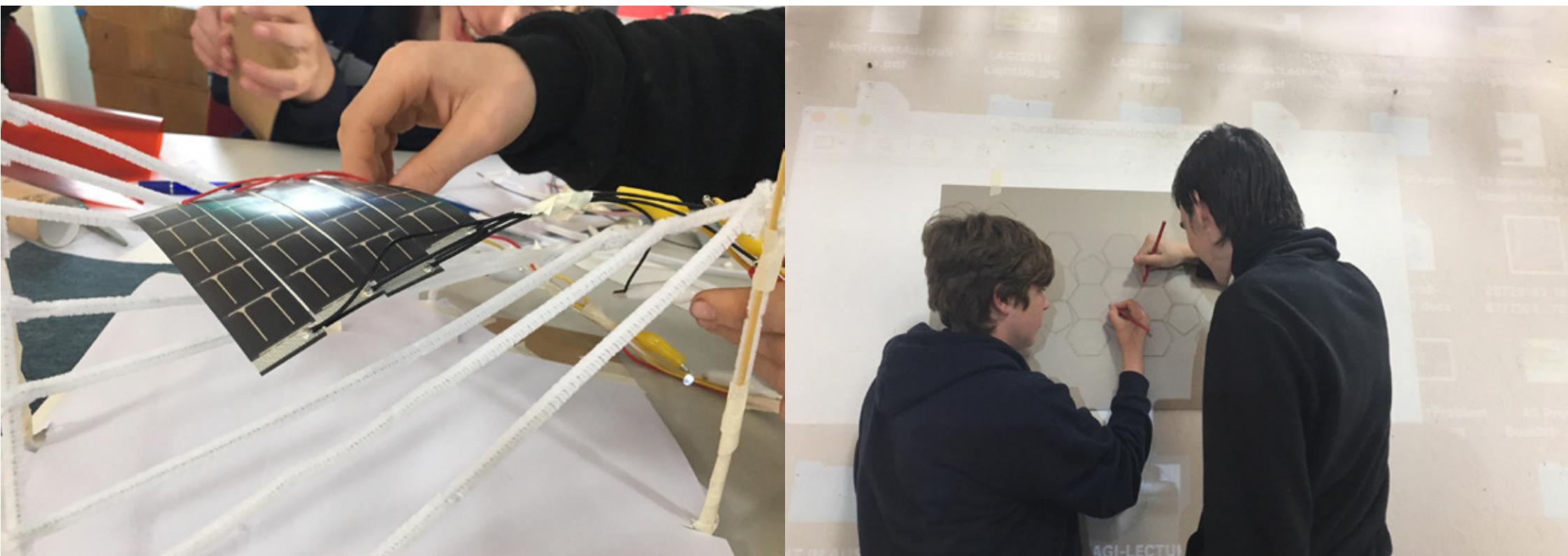
ECOLOGY: How will your artwork relate to the natural world? Think about where the materials came from that you would use to build your full-scale artwork. Does your artwork disturb habitat of any animals, birds, or insects? Or does it provide new homes for wild creatures? Put some of these thoughts down in your written description.

GUIDELINES

RESEARCH



DESIGN



PRES

ENTATION



SUNKEN BLACK PEARL

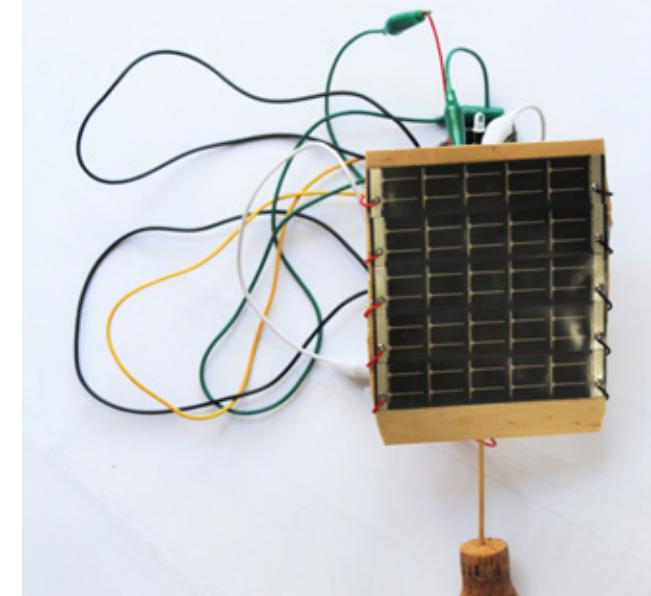
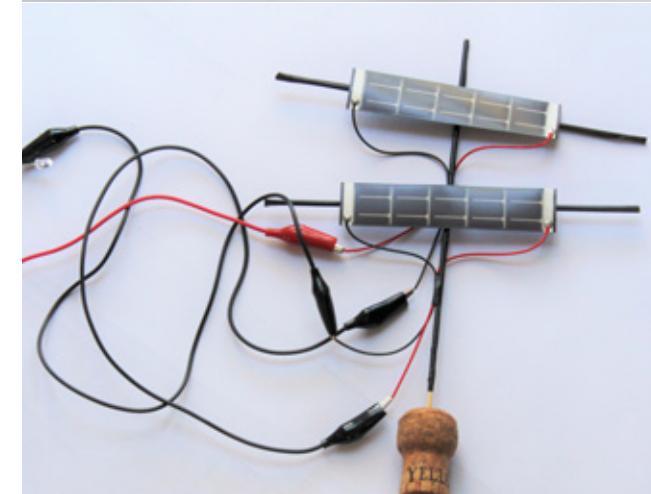
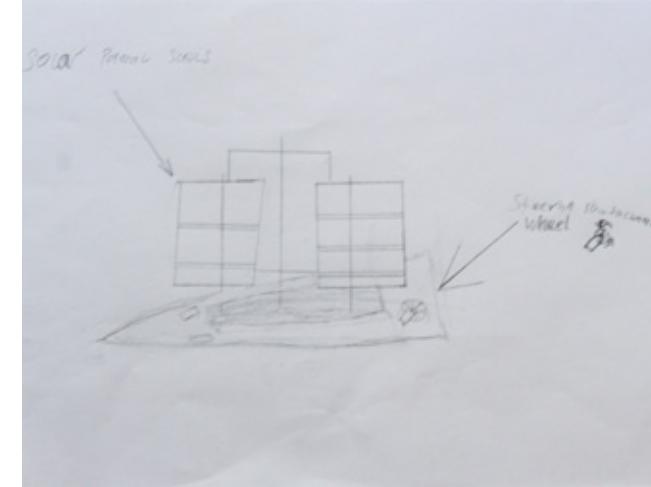
Participant Pat Clarke

Technology: Solar panels were used due to the large surface area on the sails. I wanted to use movement of sails swiveling around (kinetic energy harvesting), but not able to.

Inspiration: My inspiration was from a documentary I watched while staying in an apartment opposite the marina to take part in the program. I had never taken much notice of sailing boats before, but this was about a boat called The Black Pearl. The craftsmanship of the boat was extravagant.

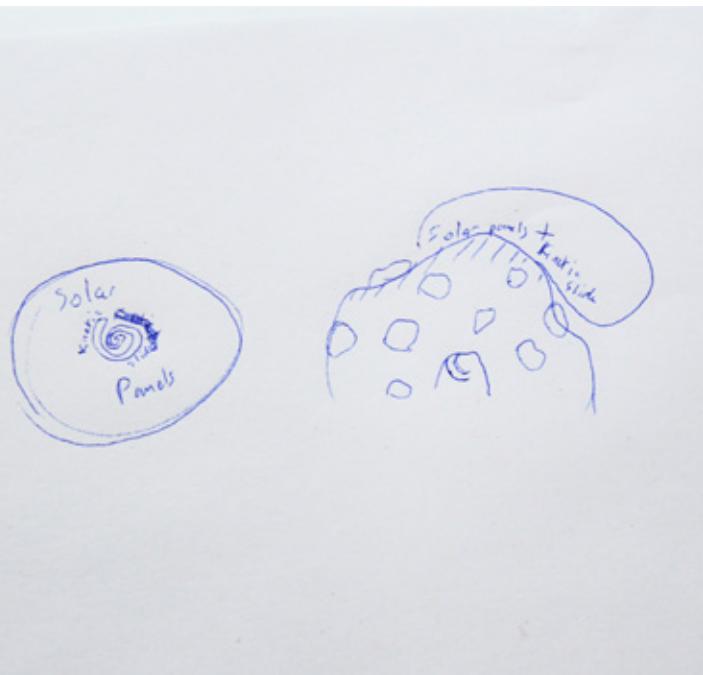
Keywords: towering, breathtaking, eye catching, extravagant, whimsical

Experience: Visitors to the marina will first see a glimpse of the towering sails peeping over the boat yard. Exploring further, they will have a breathtaking discovery! Overnight a massive ship has been washed ashore and covered entirely by sand — all except three eye catching, whimsical masts complete with extravagant black sails. These sails will hypnotize as they move slowly, following the sun. People will be drawn to rest in the shade of the massive sails. They will unwind to the gentle rhythm of the slowly moving panels.



KINETIC ROCK

Participant Mikayla



Keywords: Climbing, colourful, play, weird

Technology: Kinetic (piezo), solar panels

Inspiration: There were lots of rocks on the site, which provided the original source of inspiration.

SOLAR CORMORANT

Participant Louis

Technology: The feathers and the body of the *Solar Cormorant* are covered with solar panels as show in the bottom middle picture.

Inspiration: My inspiration was the Cormorants sitting on poles stuck in the middle of the sea drying they're wings in the warmth from the suns rays.

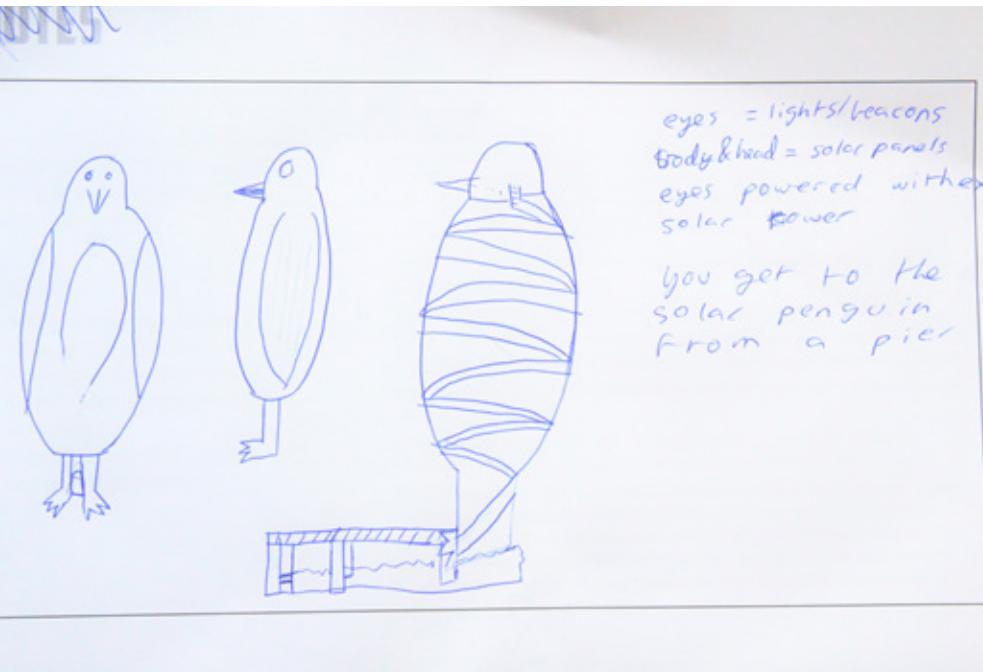
Keywords: tall, native, elegant.



Experience: When people come to look at the *Solar Cormorant* they would look at the wings outspread as if sunning itself on the warm rays of the sun as it is standing among all of the other Cormorants also sunning their wings.

SOLAR PENGUIN

Participant Evan



Technology: My *Solar Penguin* is completely covered with solar panels and will tower over St Kilda.

The two eyes are lightbulbs and can be used when the city is in complete darkness.

The *Solar Penguin* powers 123 houses.

Inspiration: My inspiration is from the solar duck and the penguins that visit the lighthouse

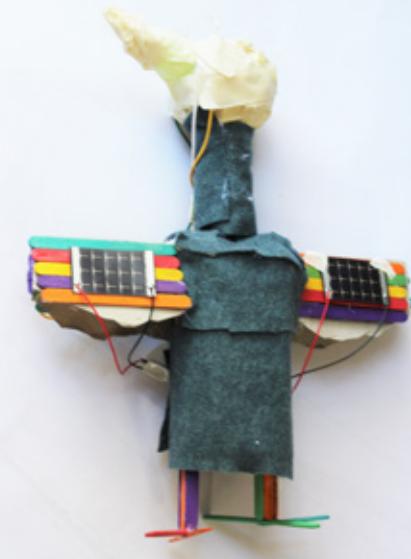
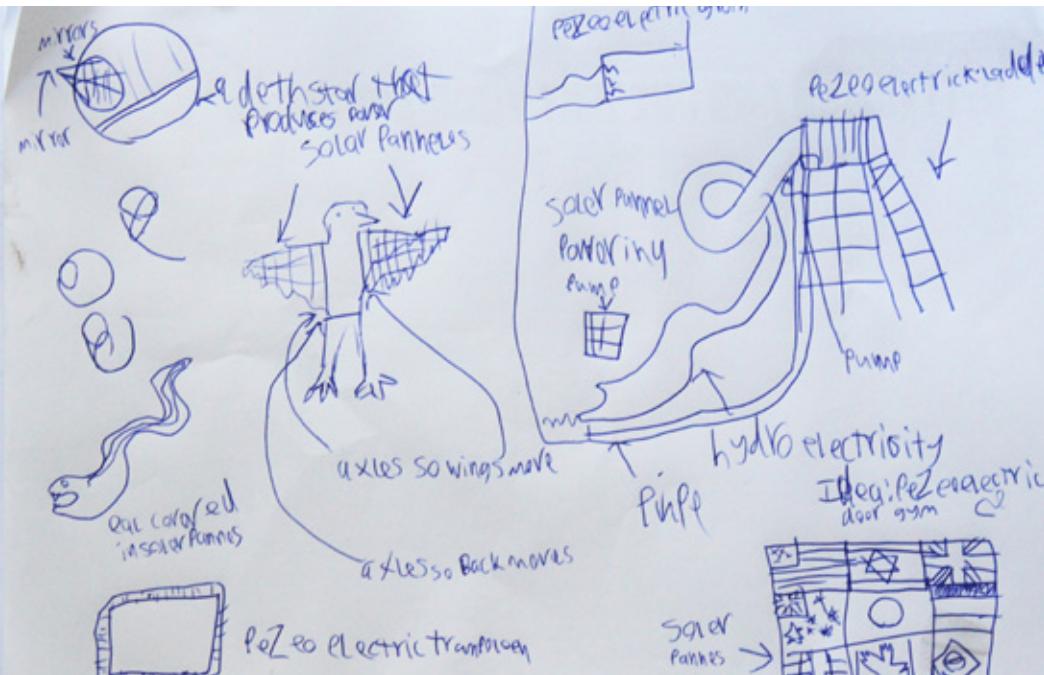
Keywords: massive, bright



Experience: Visitors will be able to walk inside the penguin which they access from a pier once you get all the way to the top of the penguins head you could look out of the penguins beak.

DRYING CORMORANT

Participant Noah



Technology: My art uses solar panels to generate power that would power the buildings in the area.

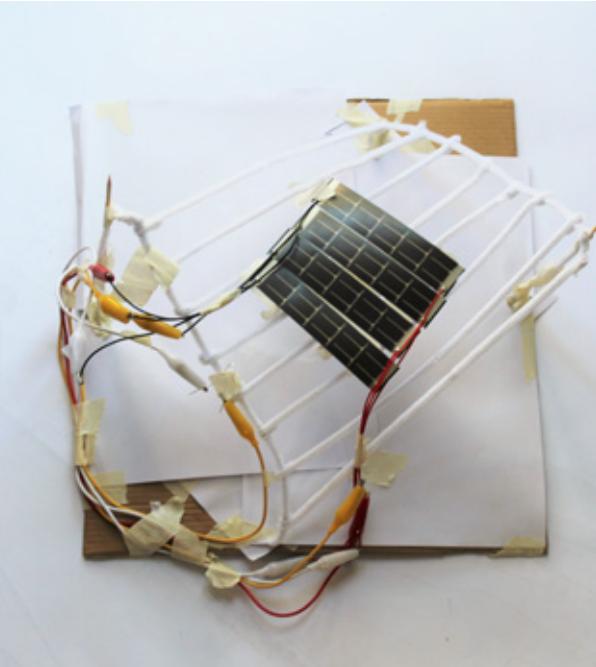
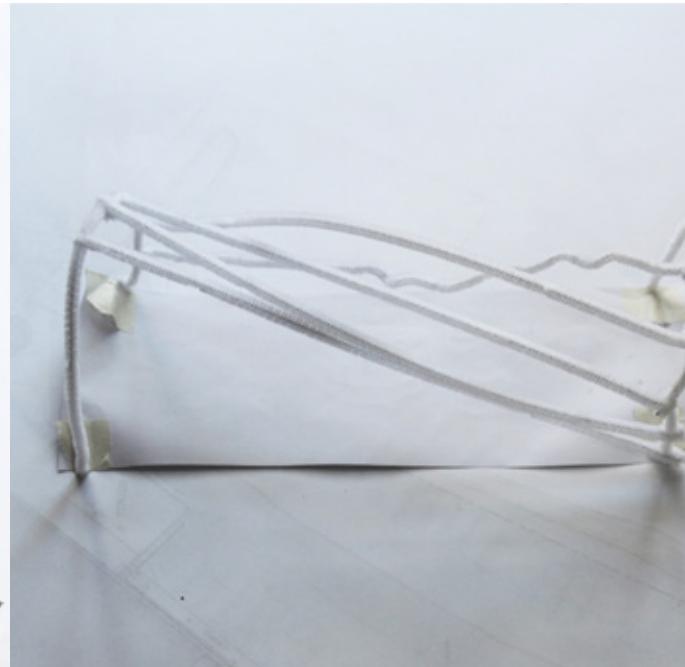
Inspiration: I was inspired by cormorant, I saw the cormorant when we went to the site and I chose the cormorant because they are popular around the site.

Keywords: solar, cormorant & power

Experience: On the actual statue you would be able to hang around the site and watch it or go up it and watch the city and the people under you.

METTALIUM EXOSQUELETTE

Participant Hamish and Angus



Technology: solar sphelar panels

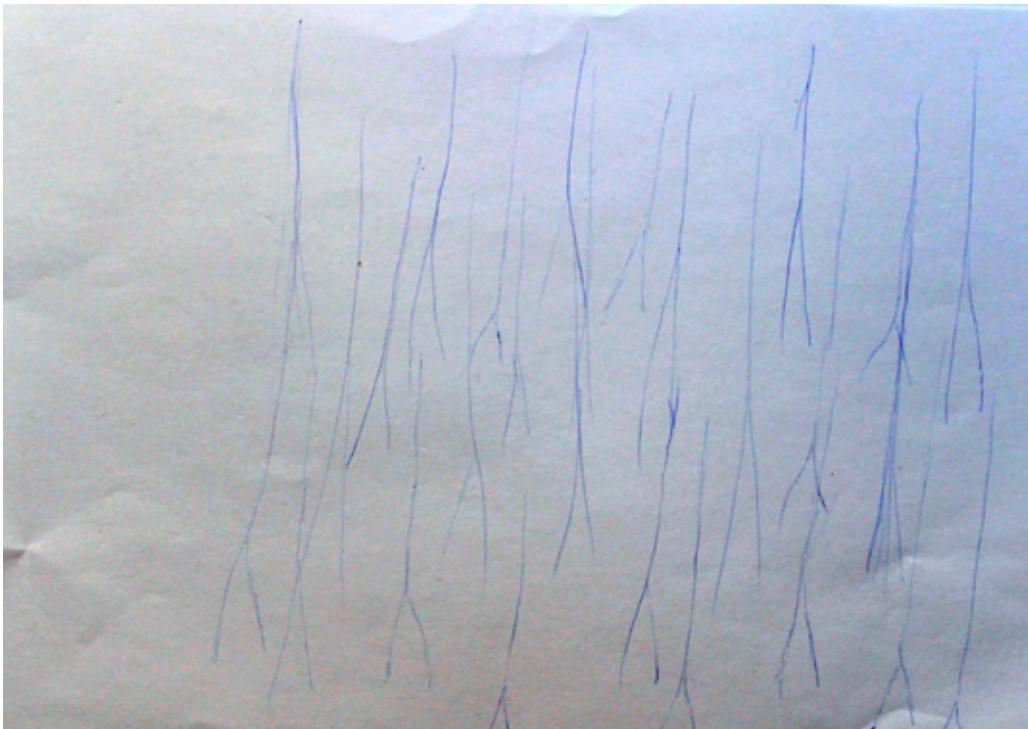
Inspiration: waves

Keywords: natural curves, sleek, large

Experience: The visitors would feel connected and interested and have a sense of amazement.

MUTANT SEAGRASS

Participant Liora



Technology: Piezoelectric

Inspiration: Sea grass

Keywords: big, green, filter, marine, grass

Experience: A moment of surprise when they see it for the first time.

Greater interest in renewable energy and nature.

SOLAR SHADES

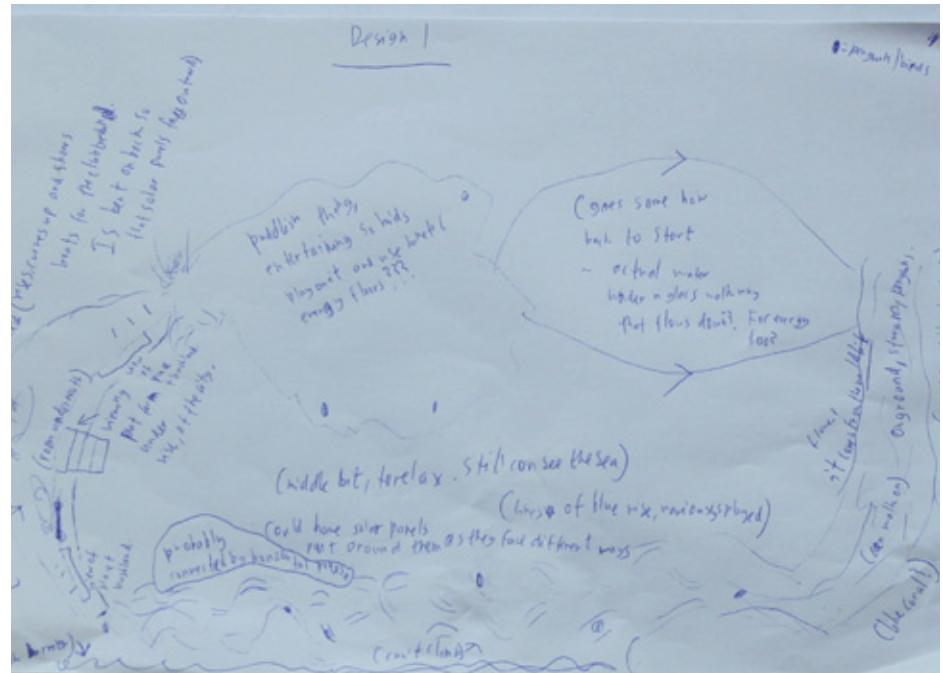
Participant Rowan

Technology: My structure uses solar panels, located on the roof as shades, and tidal power, using the movement of the naturally occurring tides flowing through its man-made canal and salt pool to turn turbines and make natural energy.

Inspiration: My inspiration was the disconnectedness of the chosen area from the natural happenings that existed just next door. The solar panels will be blue and wavy to incorporate the bay directly in front of it, and the canal and bridge over it including the nearby Elwood canal and how this connects the two (the bridge being a pathway between them)

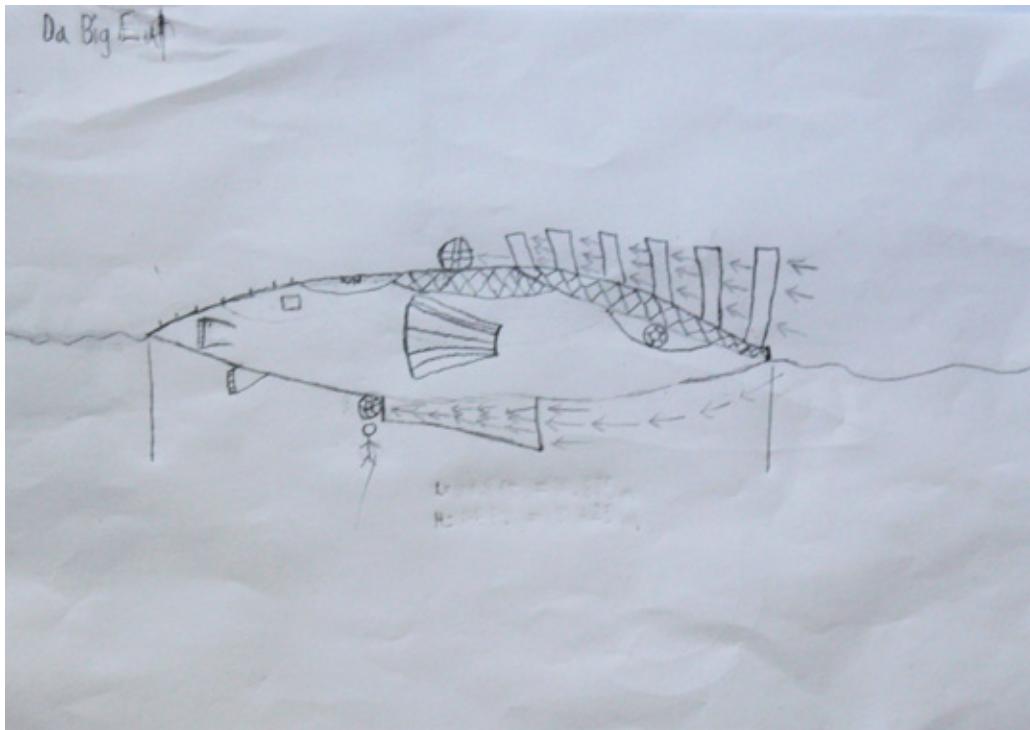
Keywords: The keywords that both inspired me and are therefore the base of the structure include 'connected, wavy, communal and natural'.

Experience: The visitor experience I am hoping to achieve would include a quiet, communal and naturally incorporating structure. It is made for community benefit, by providing free shading and views of the nearby areas, and for also raising awareness of and supporting the natural environment, by both using examples of neighboring natural areas in its design, producing clean energy that can be used in nearby communities, and a free salt pool using the tides of the ocean, so that visitors can relax in it and appreciate what wildlife really has to offer. I want it to be, ultimately, a place to relax and enjoy what nature is and has to offer. To be nearer to guilt free of our impact in the world, at least in this little eco-positive space, would be a wonderful experience, if made into a reality.



LEVIATHAN

Participant Tenzin and Kyan



Technology: Tidal, wind and solar

Inspiration: The model was inspired by a yellow yacht passing by when visiting the site

Keywords: Big, confusing, interesting, intriguing



Experience: "When I first saw the artwork of the Leviathan I found it to be intriguing, struck by the interesting pattern of the diamond-shaped scales. From where it emerged from the water, I saw the jutting structure from its chest. I was curious about what it did. I then overheard a visitor nearby mention that it had something to do with water turbines. As I boarded the giant artwork, there was a very tight hole leading into the main corridor that led to the maintenance room." – A Future Visitor