



land art generator initiative
renewable energy can be beautiful

LAGI 2014 copenhagen

The Land Art Generator Initiative (LAGI) and Refshalepen Holding are thrilled to announce that the LAGI 2014 ideas competition will be held in Copenhagen in partnership with the IT University of Copenhagen, Refshalepen Holding, Albertslund Municipality, Danish Architecture Centre, and Information Studies at Aarhus University. **Design guidelines to be launched January 1, 2014.**

www.landartgenerator.org

What is the Land Art Generator Initiative?

The Land Art Generator Initiative (LAGI) brings together artists, architects, scientists, landscape architects, engineers, and others in a first of its kind collaboration. The goal of the Land Art Generator Initiative is to see to the design and construction of public art installations that uniquely combine aesthetics with utility-scale clean energy generation. The works will serve to inspire and educate while they provide renewable power to thousands of homes around the world.



land art generator initiative
RENEWABLE ENERGY CAN BE BEAUTIFUL

2010 UAE DESIGN COMPETITION
www.landartgenerator.org

Registration opens
January 1, 2012
Competition closes
July 1, 2012

**The LAND
ART
GENERATOR
INITIATIVE**

RENEWABLE ENERGY CAN BE BEAUTIFUL

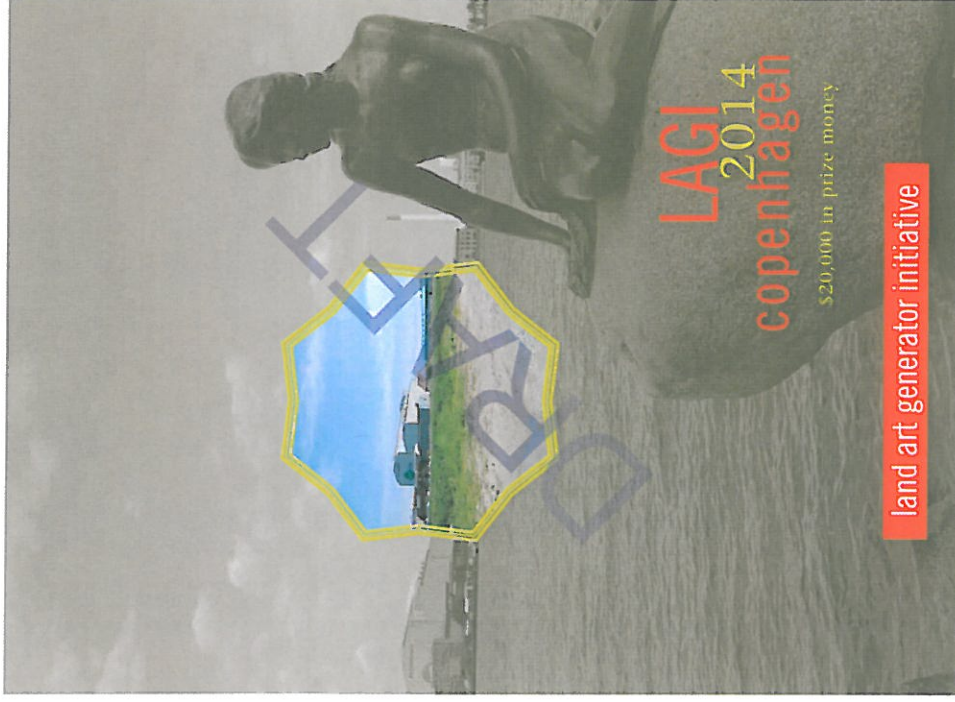
In partnership with New York City's Department of Parks & Recreation, the 2012 Land Art Generator Initiative design competition is being held for a site within Freshkills Park (the former Fresh Kills Landfill) in New York City.

LAGI 2012 is an ideas competition to design a site-specific public artwork that also functions as clean energy infrastructure for New York City.

LAGI NYC
powered by
2012 art

DESIGN GUIDELINES
2012 Design Competition
www.landartgenerator.org

3rd Competition



Med Københavns kåring som Europæisk Miljøhovedstad 2014 får Danmark nu privilegiet af at være første europæiske værtsland for LAGI



Designopgave:

- Spektakulært kunstværk
- Rekreative kvaliteter
- Producere grøn energi
- Rense luften
- Modulerbart kunstværk

Tværkommunalt samarbejde



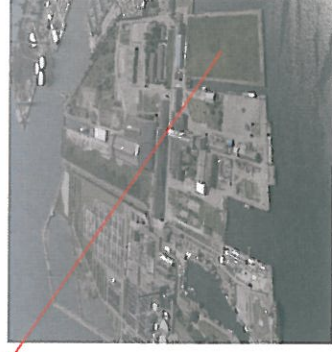
et forpligtende miljøetsamarbejde for kommuner



Allerød, muligt sekundært site LAGI 2014



Ballerup, muligt sekundært site LAGI 2014



Refshaleøen, primært site LAGI2014



Albertslund, sekundært site LAGI2014

Konkurrence og jury



- Gustavo Ribeiro, DAC
- Sten Christiansen, borgmester Albertslund
- Else Marie Bukdal, prof. art and technology
- Tina Saaby, Stadsarkitekt KK
- Christian Herskind, CEO Refshaleøen
- Olafur Eliasson, kunstner
- Lars Aagaard, CEO Dansk Energi
- Jørgen Hvid, Rambøll
- Stig L. Andersson, SLA
- Lars Juel Thiis, Arkitekt og kunstoffond
- Natalie Mossin, Dansk Arkitektforening
- André Heinz, Sustainable Technology Capital
- Philip Lowe, Director-Energy at the European Commission

Konkurrencen er åben
1. januar - 1. maj 2014

Dommerbedømmelser
Maj-Juni 2014

Udstilling efterår 2014



Udstilling DAC

Information om energi og
interaktiv energivisualisering

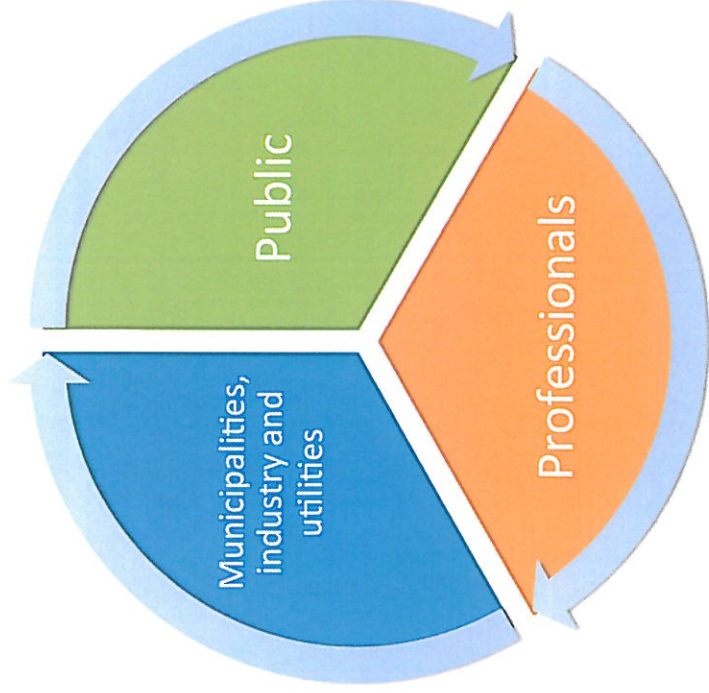


Powered by art

Energy Dome på Refshaleøen



Rammeprogram



- Udstillingsåbning og prisoverrækkelse
- Masterclasses for professionelle og politikere
- Borgerinddragelsesworkshops
- Workshop for kommuner, energiindustri og forsyningselskaber
- Workshop for børn
- TEDx Copenhagen, dec 2013
- Konference, AAU
- Events i partnerkommuner
- Publikation

Politisk opbakning

“Udfordringerne ved grøn omstilling er komplekse og tværgående. Det er løsningerne også. Derfor er det vigtigt at finde nye måder, hvor på vedvarende energiprojekter kan integreres i byen, og hvordan integrationen af kunst, arkitektur og energiprojekter kan være med til at skabe levende byrum samt skabe god debat herom [...] Jeg vil derfor gerne være ambassadør for projektet og giver min støtte til Land Art Generator Initiative projektet i Danmark i 2014.”

Miljøminister Ida Auken, Ambassadør for LAGI2014

“For København er det netop vigtigt, at nye, bæredygtige byløsninger bliver smarte løsninger, som løser flere udfordringer samtidig. Derfor synes jeg også, at ideen om et energiproducerende kunstværk er interessant”

Overborgmester, Frank Jensen

“LAGI giver nye og spændende forslag til, hvordan den grønne omstilling kan gribes an. Det så vi ved de tidligere udstillinger i Dubai 2010 og New York City 2012, hvor kreative kræfter inden for kunst, arkitektur og ingeniørvidenskab sammen frembragte nyskabende idéer, koncepter og løsninger, der kan producere grøn energi samtidig med at de integreres i og forskønner det lokale miljø”

Klima-, energi- og bygningsminister Martin Lidegaard

Sock Farm

Artist Team: Nandini Bagchee, Artur Dabrowski (Graphics) Art & New Swingle

PARTNERS

Artist Location: New York City, USA

Main partners (confirmed):

- LAGI
- Refshaleøens Ejendomsselskab
- Albertslund Kommune
- IT-Universitet
- Aarhus Universitet
- Alexandra Institutet A/S
- Dansk Arkitektur Center

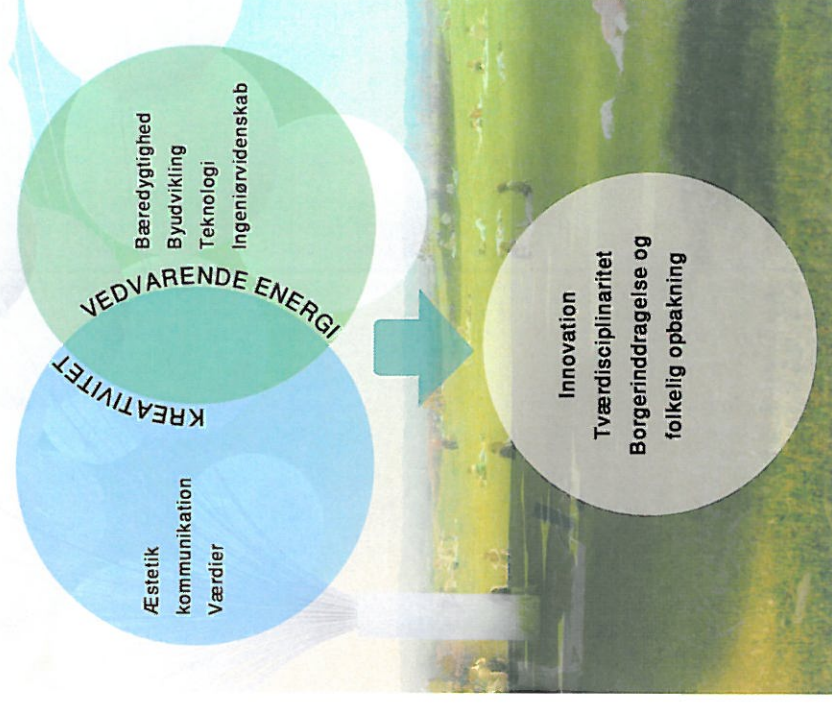
Others:

- Københavns Kommune
- Ballerup Kommune
- Allerød Kommune
- European Green Capital, KK
- Green Cities
- IBM
- Syd Energi
- Amager Resource Center
- Mandag Morgen, Sustainia



BUDSKAB

LAGI mellem discipliner



- At løfte energi- og klimamål gennem æstetiske designløsninger
- Borgerinddragelse, information og engagement
- Innovation af energiteknologier
- Bydesign og rekreative områder
- Imødekomme NIMBY
- Vende diskursen omkring vedvarende energi
- Brande København og Danmark



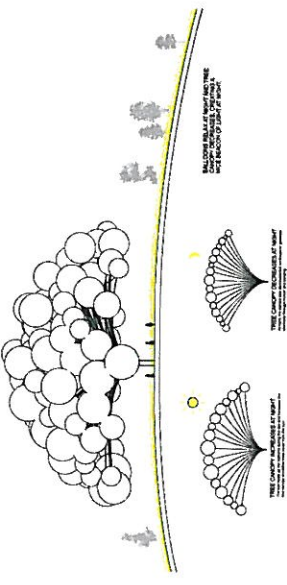
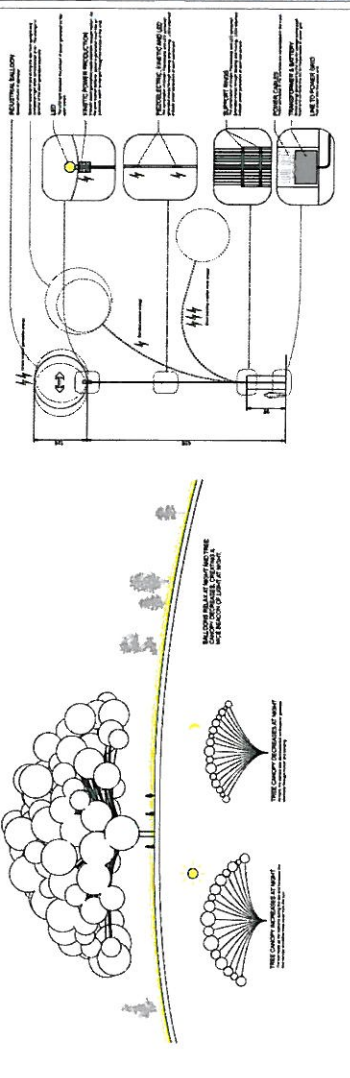
TREES

ENERGY TECHNOLOGY: Kinetic generators such as the M2E Power Kinetic Battery, piezoelectric generators

ANNUAL CAPACITY: 1,000 megawatt-hours

ARTIST TEAM: Yjje Dang, Tom Thag

ARTIST LOCATION: New York City, USA





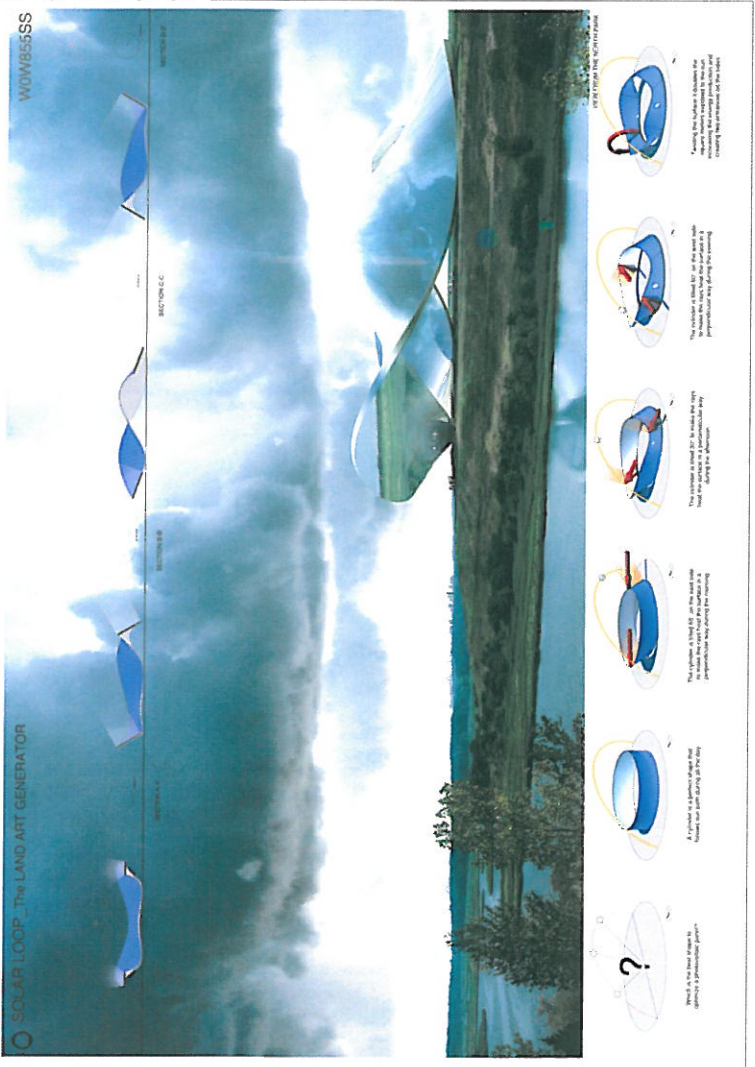
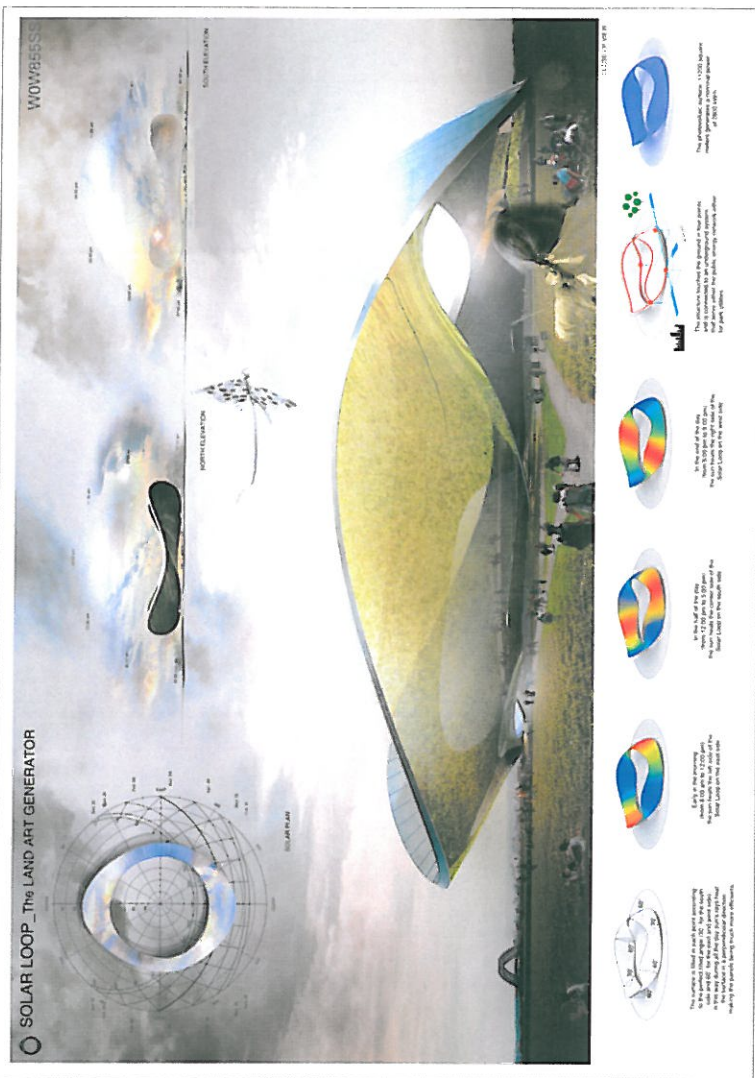
SOLAR LOOP

ENERGY TECHNOLOGY: Thin Film Photovoltaic

ANNUAL CAPACITY: 10,000 MWh

ARTIST TEAM: Paolo Venturella, Alessandro Balducci, Gilberto Bonelli, Rocco Valentines, Mario Emanuele Salini, Pietro Bodri

ARTIST LOCATION: Paris, France



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The architectural studio... members... 2008

The architects... 2008

In the end of the day... 2008

In the end of the day... 2008

Early in the morning... 2008

The surface is... 2008

Learning the surface... 2008

The exterior is... 2008

The exterior is... 2008

The exterior is... 2008

A structure is... 2008

There is a... 2008

There is a... 2008



FRESH HILLS

ENERGY TECHNOLOGY: WindTamer wind lens turbine (or similar)

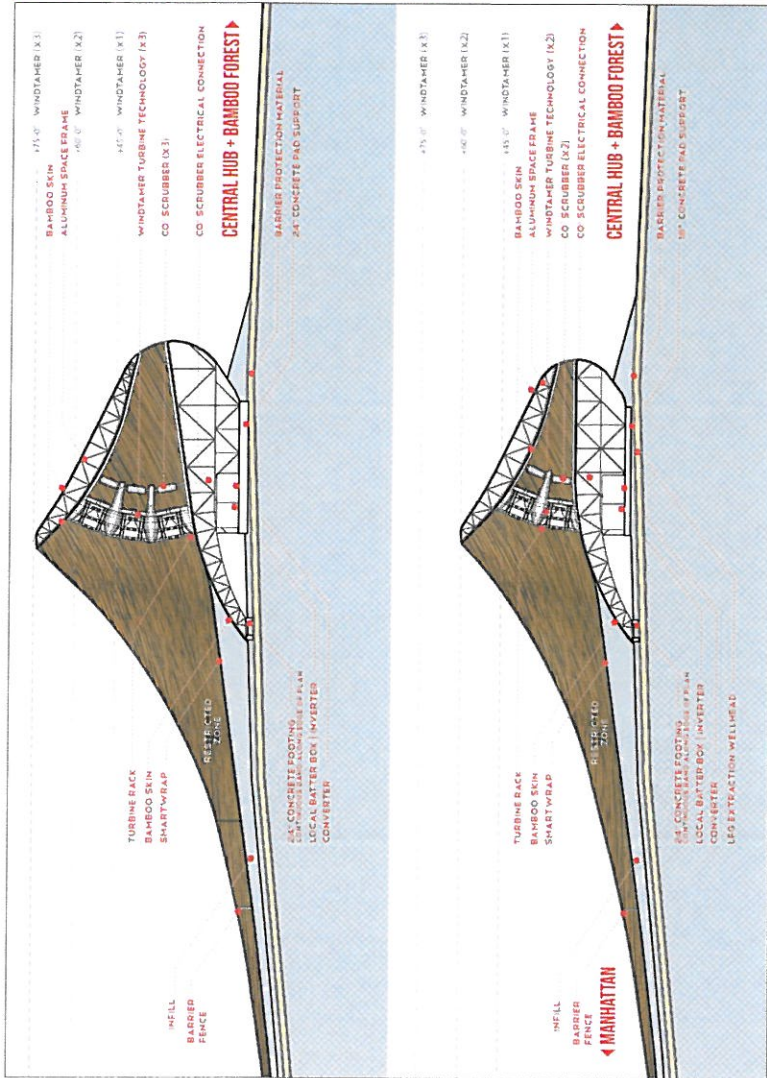
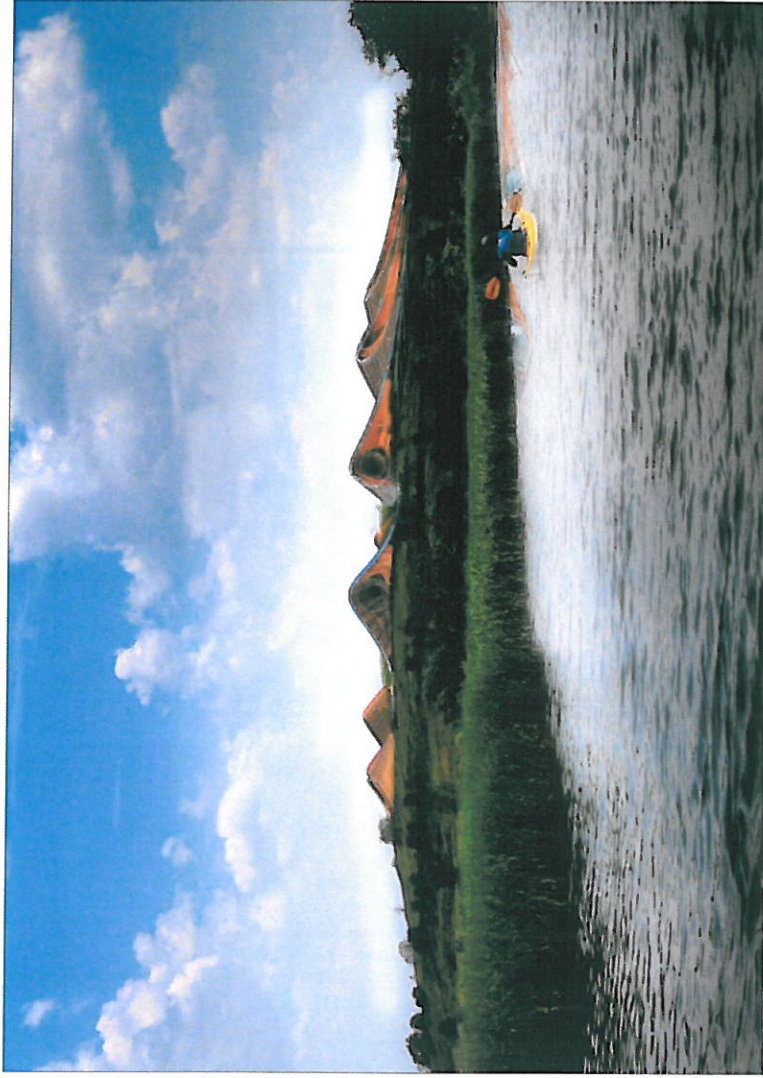
ANNUAL CAPACITY: 2500 MWh

ARTIST TEAM: Mathew Rosenberg

STRUCTURAL ENGINEERING CONSULTANT: Matt MeInyk

PRODUCTION ASSISTANTS: Emmy Maruta, Robbie Eleazer

ARTIST LOCATION: Los Angeles, USA





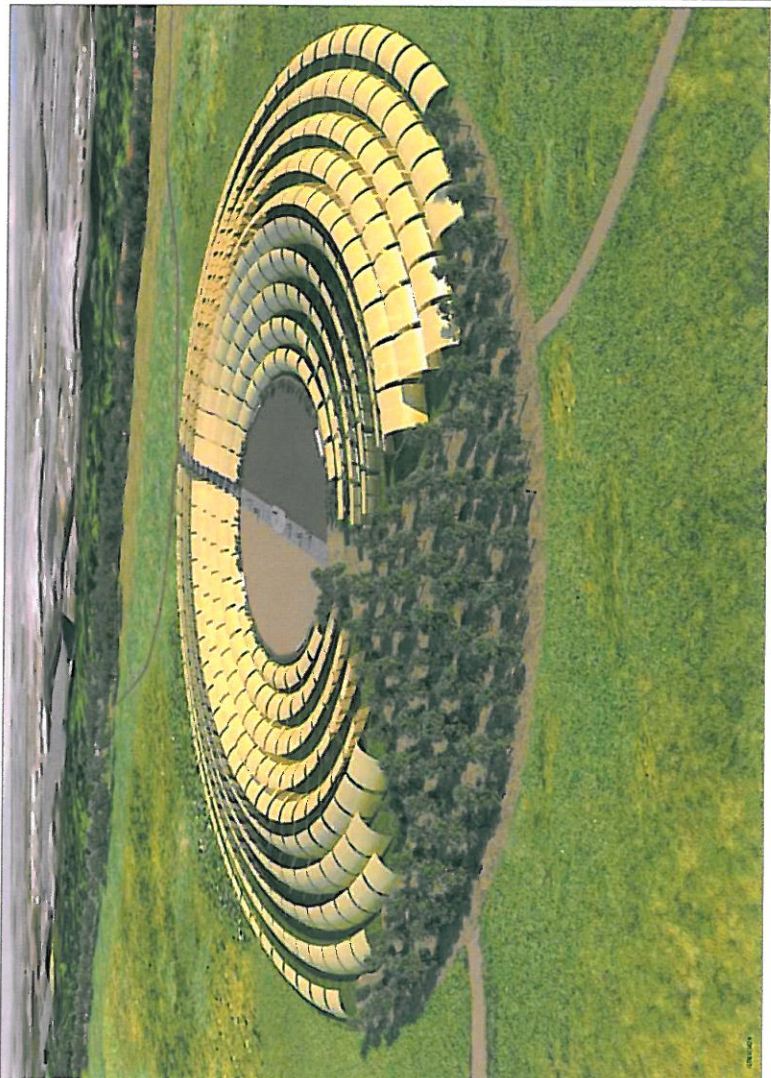
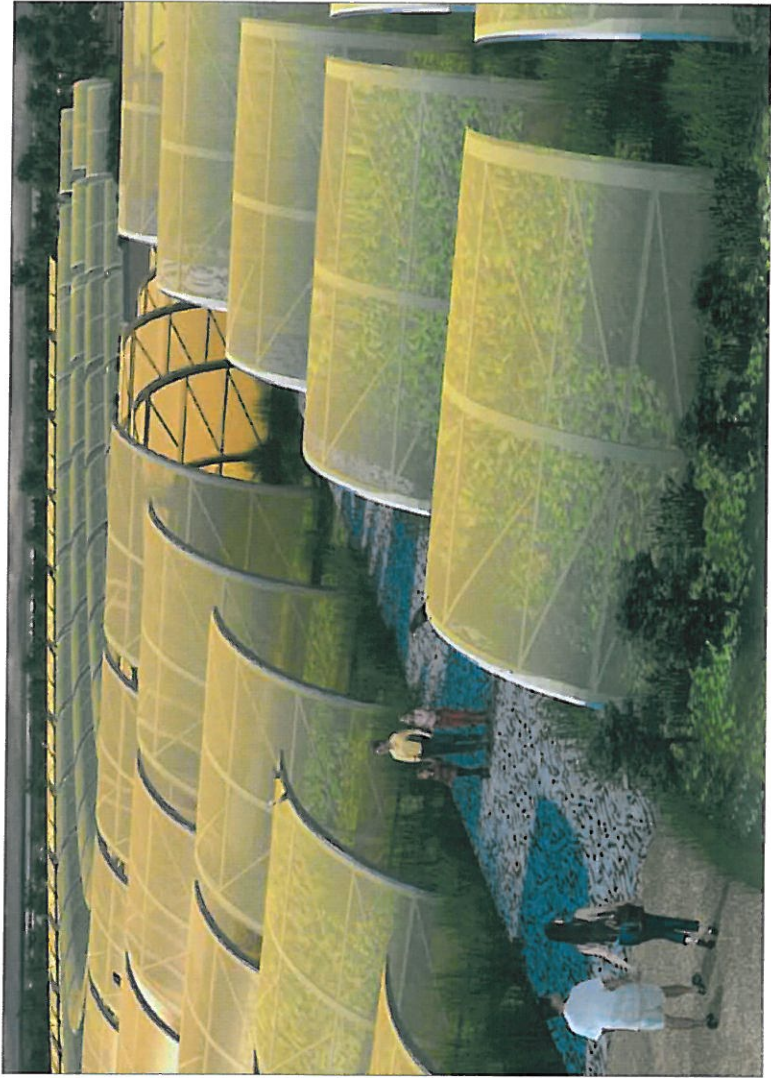
SOLAR CAIRN

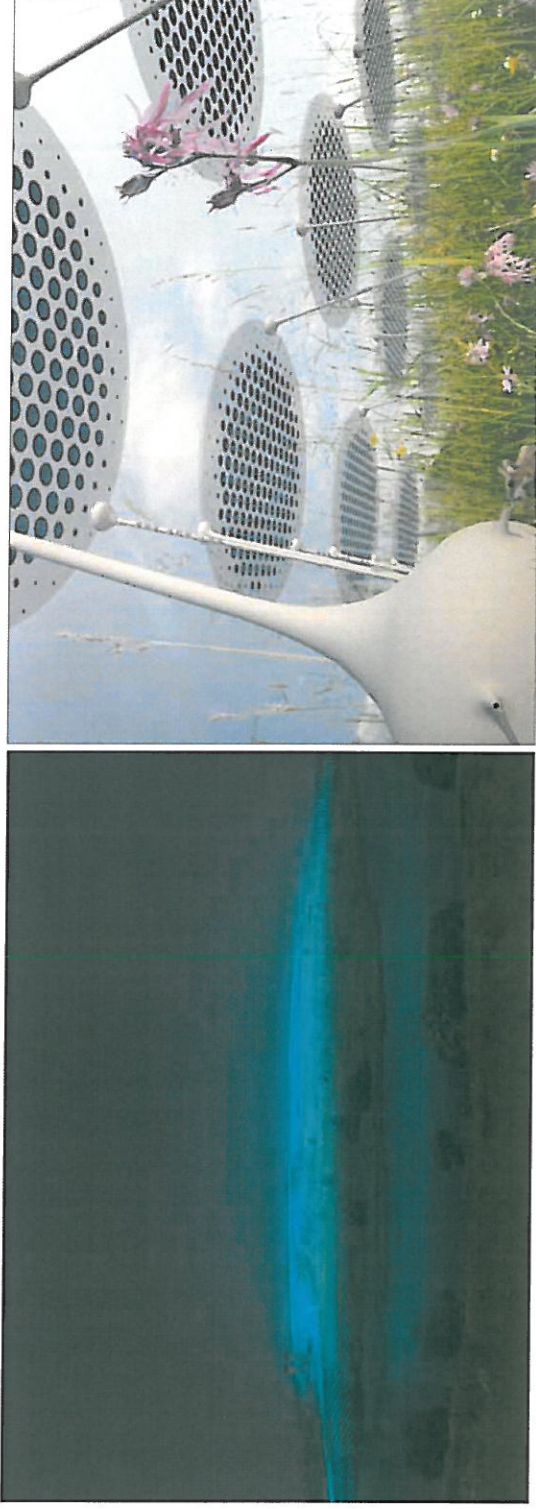
ENERGY TECHNOLOGY: photovoltaic thin film (amorphous silicon) in flexible and translucent canvas

ANNUAL CAPACITY: 1,000 megawatt-hours

ARTIST TEAM: Julianne Brown, Christian Brown, Onion 3D Design

ARTIST LOCATION: New York City, USA





HELIOFIELD

ENERGY TECHNOLOGY: photovoltaic thin film (amorphous silicon)

ANNUAL CAPACITY: 15,000 megawatt-hours

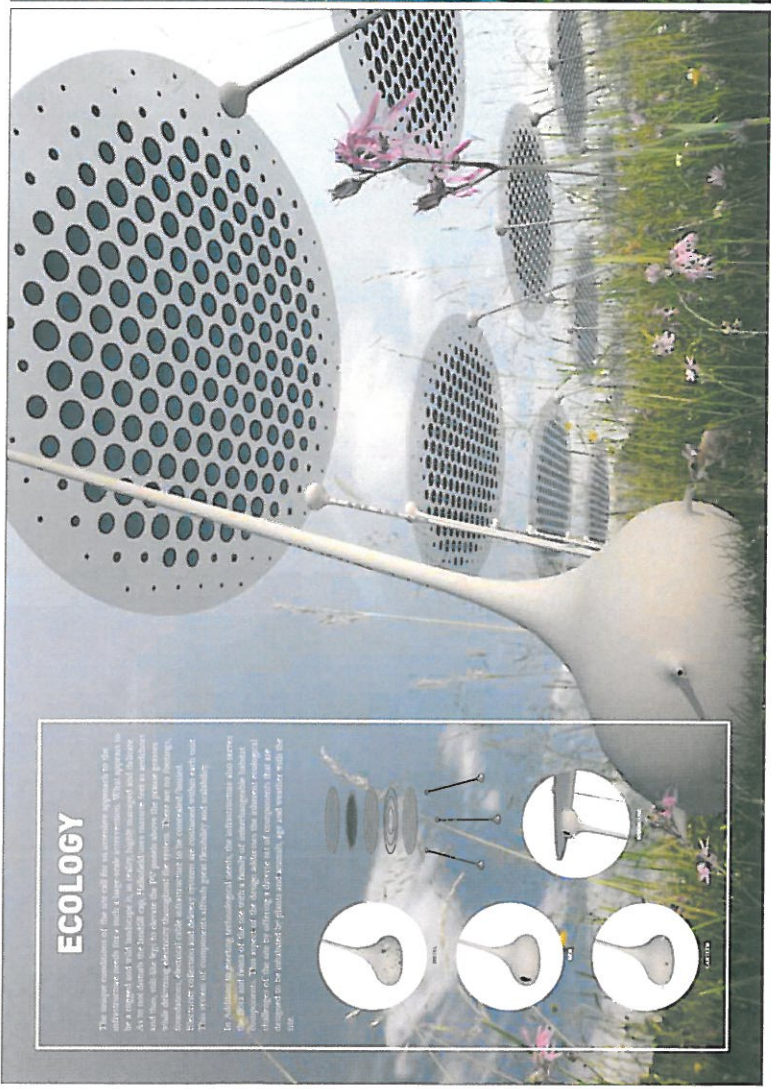
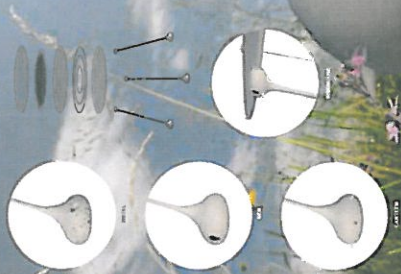
ARTIST TEAM: Michael Chaveriat, Yikyu Choe, Myung Kweon Park

ARTIST LOCATION: New York City, USA

ECOLOGY

The unique conditions of the site call for a sensitive approach to the landscape, one which respects the natural environment. The approach to the site is to blend the PV panels with the natural landscape and to use the site's existing vegetation to provide a natural habitat for the birds and other wildlife. The PV panels are designed to be a natural part of the landscape, blending with the natural environment.

In addition to providing ecological benefits, the architecture also serves as a habitat for the birds and other wildlife. The design of the PV panels is a challenge of the site, as it is to create a diverse set of components that are designed to be suitable for plants and animals, and to weather with the site.



HELIOFIELD

Heliocenter is an energy generating network of solar towers that combines the core of the power system of Phoenix, Arizona. The technology used in the solar towers is a combination of advanced and renewable solar energy that allows us to meet our energy needs.

The conventional approach to solar tower PV systems involves burning fossil fuels in an internal boiler and converting 42 percent of plant into steam. The solar towers use a different technology that allows for a larger field with higher efficiency. This effectively means a solar field is a renewable energy source.

In contrast to conventional energy systems, solar towers use the sun's energy to create steam. Heliocenter uses a solar tower technology that allows for a larger field with higher efficiency. This effectively means a solar field is a renewable energy source.

The approach is different from conventional solar and hydroelectric power. Heliocenter uses a solar tower technology that allows for a larger field with higher efficiency. This effectively means a solar field is a renewable energy source.

