Climate Change

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About Climate Change

A change in global or regional climate patterns, in particular a change apparent from the mid to late 20th century onwards and attributed largely to the increased levels of atmospheric carbon dioxide produced by the use of fossil fuels.

15%

The golden Toad

30%

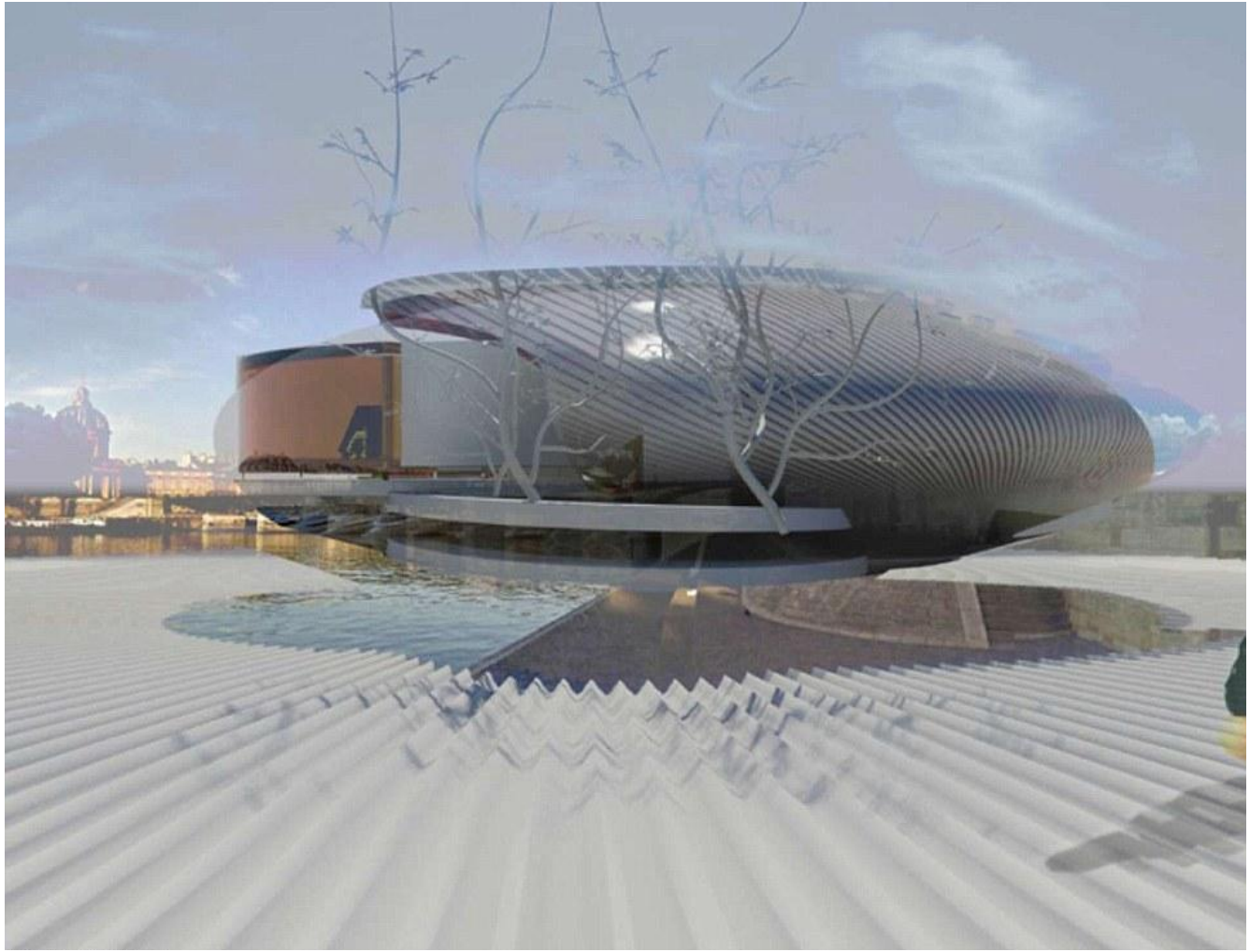
600’000

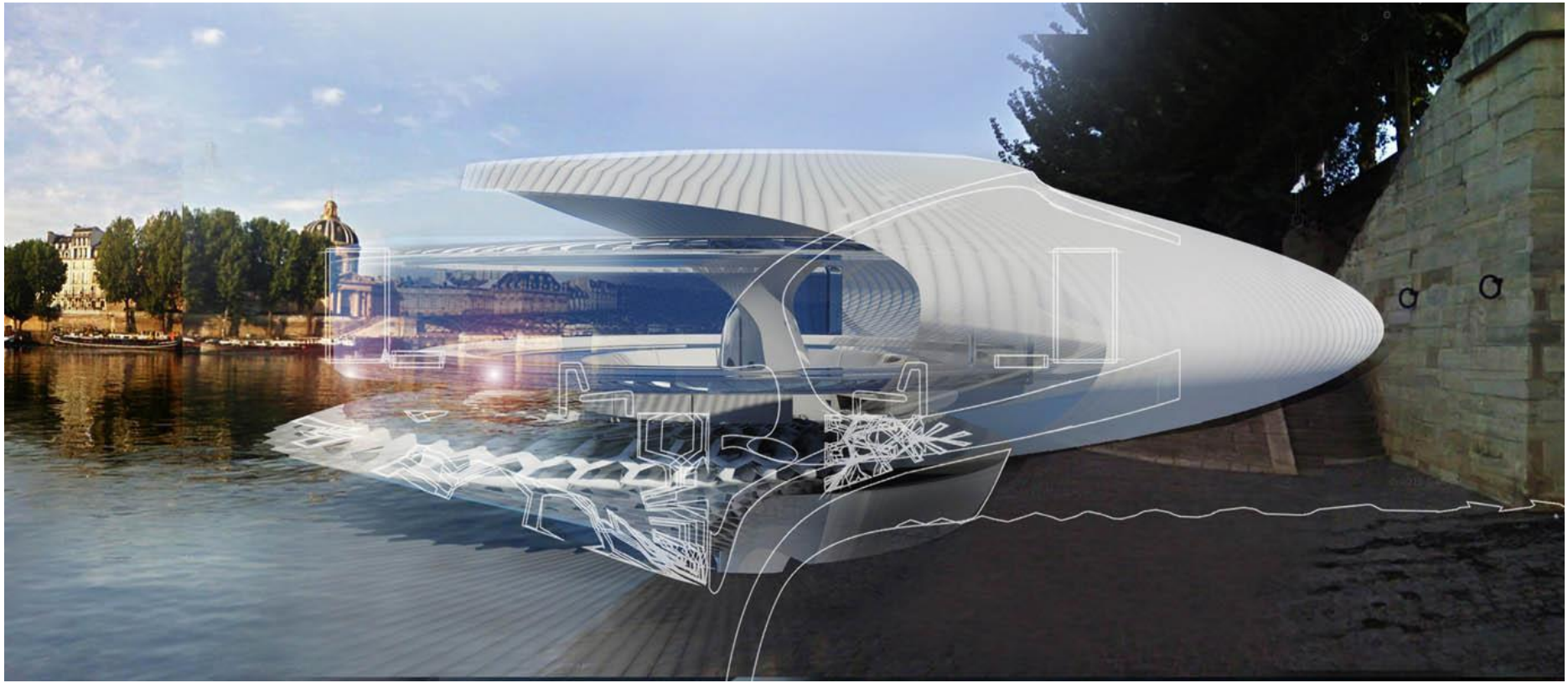
50-60%

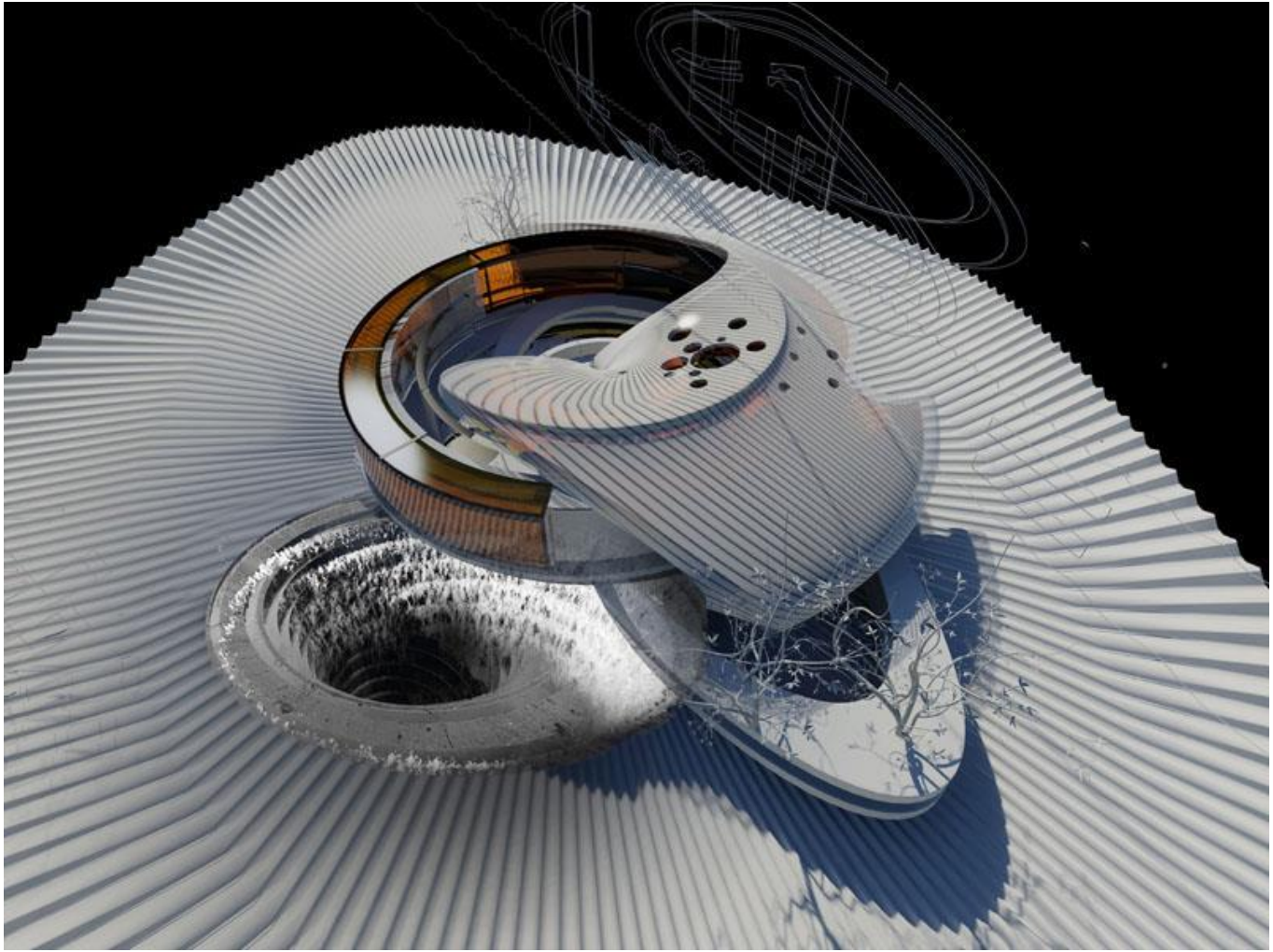
Architecture

Flood Prevention Pavilion

Designed by Dr. Margot Krasojevic







The Floating House

Designed by CTA Architects

Mö Ventus

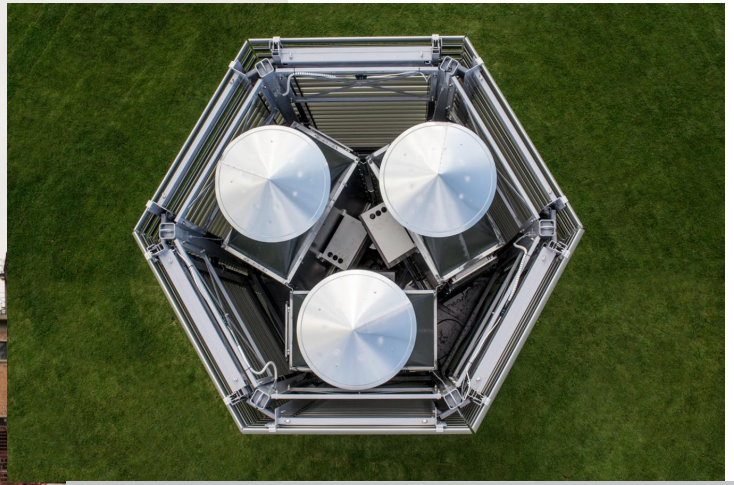
Designed by Todd Theodore.

http://www.mo-ventus.com/

Utility

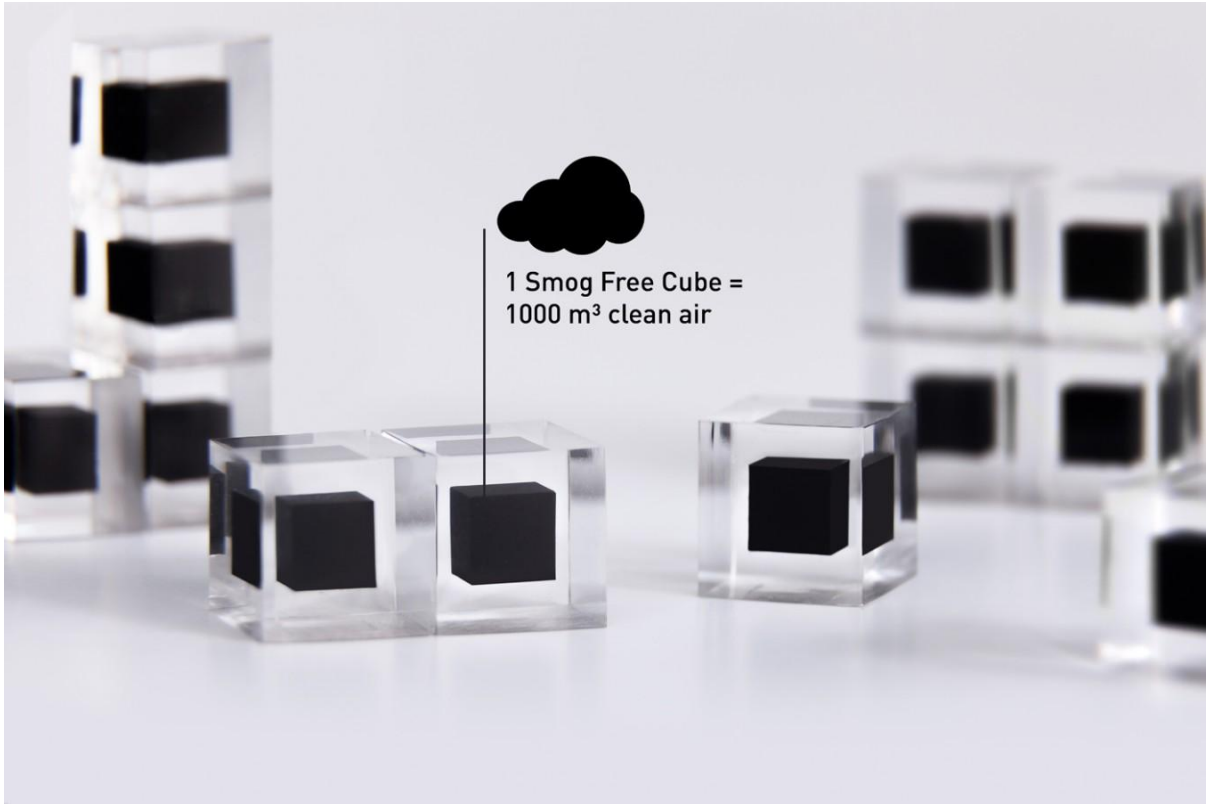
Smog free tower

- A kickstarter project by an artist from Netherland call Daan Rossegararde
- Inspired by the smog situation from China
- After the smog being cleansed, it will turn into accessory like necklace, ring, bracelet, etc.



Material and inspiration

- According to artist himself, he was extremely shocked by the smog pollution that happened in China, hence, he came up with the idea of reusing the smog.
- The smog tower is based on the normal air cleaner and amplifies it.
- Because the main elements from the smog is carbon, and the main elements from diamond is also carbon, Daan decides to turn smog into something useful
- https://www.youtube.com/watch?v=F9hHmToWV9w



Tesla electric car

- The first electric car in the whole world.
- The idea is derived by the environmental problems and carbon consumption of the cars based on gas.
- The first electric car was produced in June, 22, 2012.
- Energy based on lithium ions.

Consumption report

- Consumption level, ideally it is nearly zero. However, there are some collateral problems, such as firing power based on power and battery degradation.
- Hence, it is based on the battery recycling, and it is not hard to recycle the lithium battery. If the power of the car is 100% based on battery, it will have zero consumption and zero hazard gas.

Waste


Rex
TRASHMASTER

How does waste affect climate change

One of the biggest challenges we face today

Causes a buildup of CO_2 emissions and greenhouse gases

These gases released from waste being incinerated or crushed go into the atmosphere and can cause irreversible damage to the environment.

Waste statistics in France

29% is made from perishable materials

25% is from newspapers, paper and cartons

13% is from glass

11% is from plastics

4% is from metals

Remaining 18% from textiles and various other things

The total is over 10 million tons of waste a year

Waste as a global issue

41 million metric tons of electronic waste was discarded in 2014. A lot of this waste has ended up in countries such as Ghana.

Europe produced 11.6 million tons of electronic garbage compared to Africa's 1.9 million.

In the US in 2009, 42% of their greenhouse emissions were from packaging, transporting and the waste of goods.

Great Pacific Garbage Patch, largely made from plastics thrown into the oceana and estimated to be the size of texas.

Green Newspaper

Invented for Mainichi Shimbunsha

Conceived by Dentsu Inc. for Mainichi

Made from recycled and vegetable paper

Tear into small pieces, plant and water it.

The paper circulates around 4 million papers a day

Self made shopping bags

Making your own shopping bags could reduce waste by a lot

Instead of buying or receiving plastic shopping bags you simply remember to bring your own.

These bags can be reused again and again and won't fall apart as easily as thin plastic ones

Kamikatsu

https://www.youtube.com/watch?v=eym1oGGidQU

Waste in Sweden

https://www.treehugger.com/energy-policy/no-sweden-does-not-recycle-99-percent-its-waste.html

Ways to lower waste

Don't buy what you don't need or won't use.

Reduce: buy what you need.

Reuse: Using an object or material more than once rather than throwing it out.

Recycle: A product being made from a previous object into another.

Recover: using byproduct from the waste to generate energy.

Small steps to start

Dont throw away water bottles after just one use

Don't repeatedly buy new shopping bags

Don’t carelessly buy new things you may not need

Set yourself targets or boundaries in regards to how much you waste.

Thank You