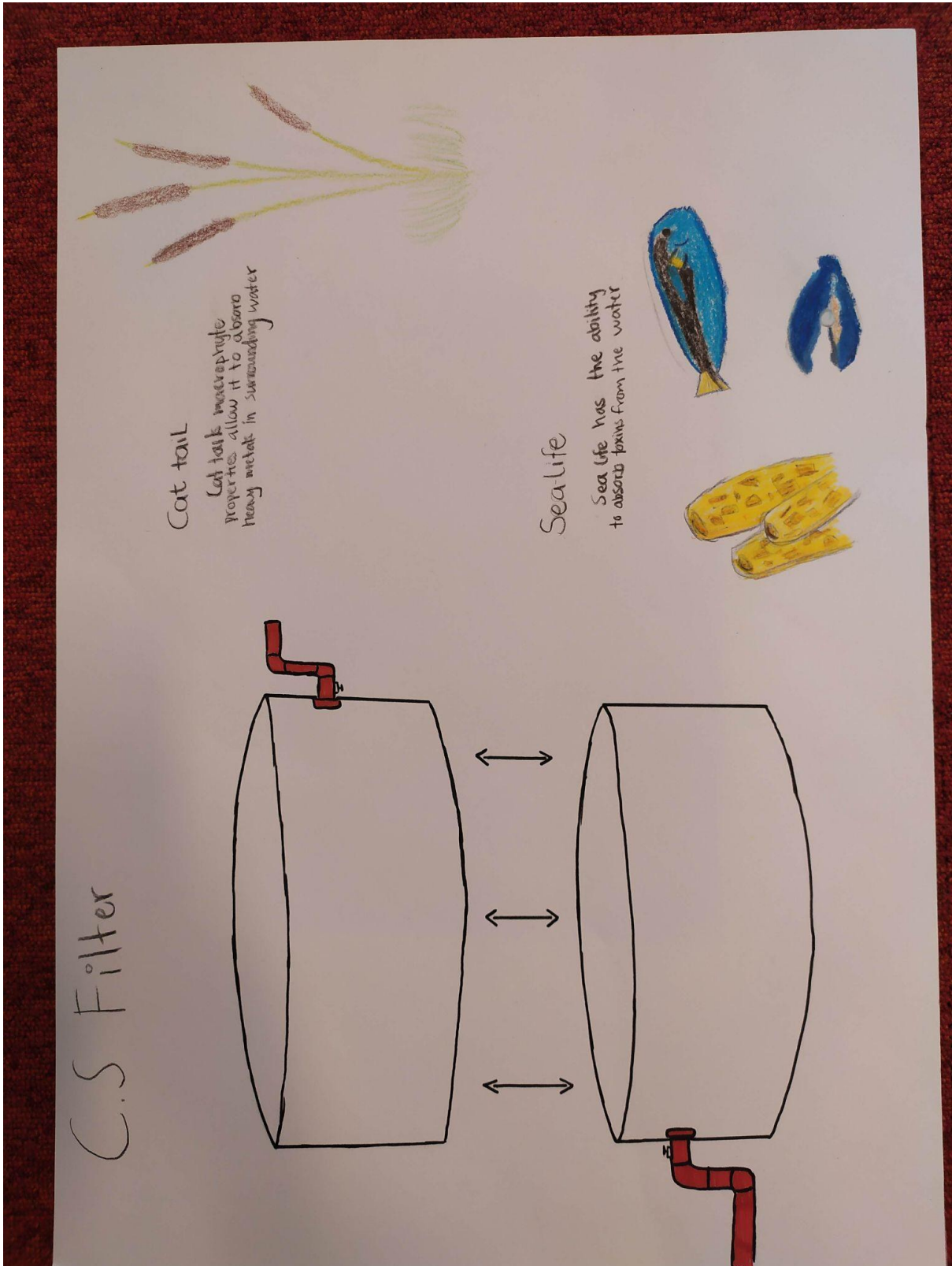


Posters 1-7 - LTT4 - Sweden

Poster 1



Poster 2



SOLUTIONS INSPIRED BY NATURE

Examples for Biomimicry:

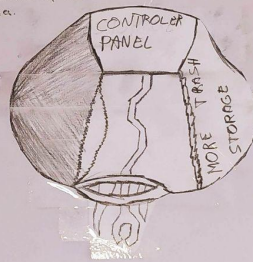
- Shark skin membrane moves, separation of flow
- low pressure zone (leading edge vortex), which is "sucking" the turbulence
- ↳ shark skin membranes don't fold back, because too fast



The ants have a complex system of communication through which they are able to communicate and navigate in the narrow tunnels of animals.

Our Idea:

The group also created a solution to solve plastic pollution in the oceans. The jellyfish robot cleans up with its gripping tentacles.




Josephine JORDI LL Alva Elsa

Poster 4



Poster 5



SPIDERWEB
4 the win!

Our solution for Oloshaga is inspired by the way that nature takes care of resources very eco-friendly and efficient. Inspired by this nature we want to achieve a sustainable eco-friendly future for the city.

We looked at Spiderwebs and we were impressed by the strength of them. Therefore, we decided to examine more naturalistic materials. It is for replacing harmful materials like plastic with materials inspired by nature. Plastic creates bad emissions which can be reused by using this product. The product can be recycled and re-used by e.g. putting up containers.

Of course, so as not to harm any animals like spiders, we would just find a way to modify the genes, which is more ethical.

In conclusion, we can reach several global goals by using this method which can make the city eco-friendly and sustainable.

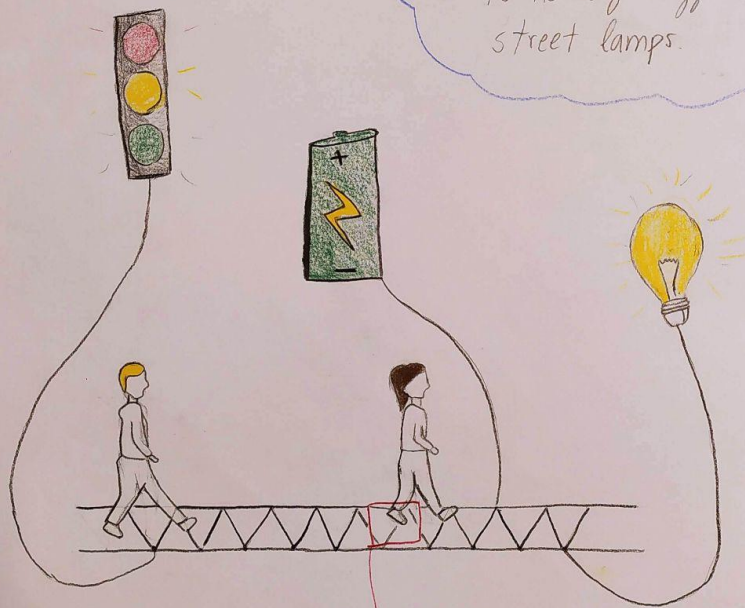
Authors: Jan Cucó, Myla Diehl, Kelli Zettervall, Melina Karagianni, Symonella Sitaridou

Solutions inspired by nature



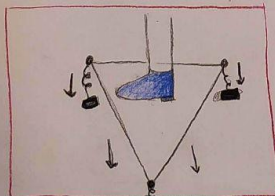
1. When walking on the platforms your weight will produce movement in the springs.

2. The springs are connected to nearby traffic lights & street lamps.



3. leftover energy is stored and used in other parts of the city.

4. This method only uses movement that is already there as a power resource.



1st of April 2022

Sara, Lotta, Louise, Angeliki, Alba, olma

Poster 7

introduction
Our solution is inspired by the sun and a archaea (a sort of a bacteria that can survive extremely high temperatures). To make the reactor work, high temperature and pressure is a necessity, and therefore we can achieve this by mimicking the material or the process that the archaea uses.

strategy
Advertisement, funding, research, development and action!

idea
Fusion Reactor

discussion
Our idea might be a bit abstract, but we are confident that it will enable mankind to live in a more sustainable way in the future.

conclusion
By learning from our universe and the nature around us we enable a better planet for everyone.

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