

NOVA
INNOVA



POND

Power Of New Discoveries

Nova Innova, a creative startup that combines nature, science and design to create sustainable innovations for clean air, water and energy.

www.novainnova.com

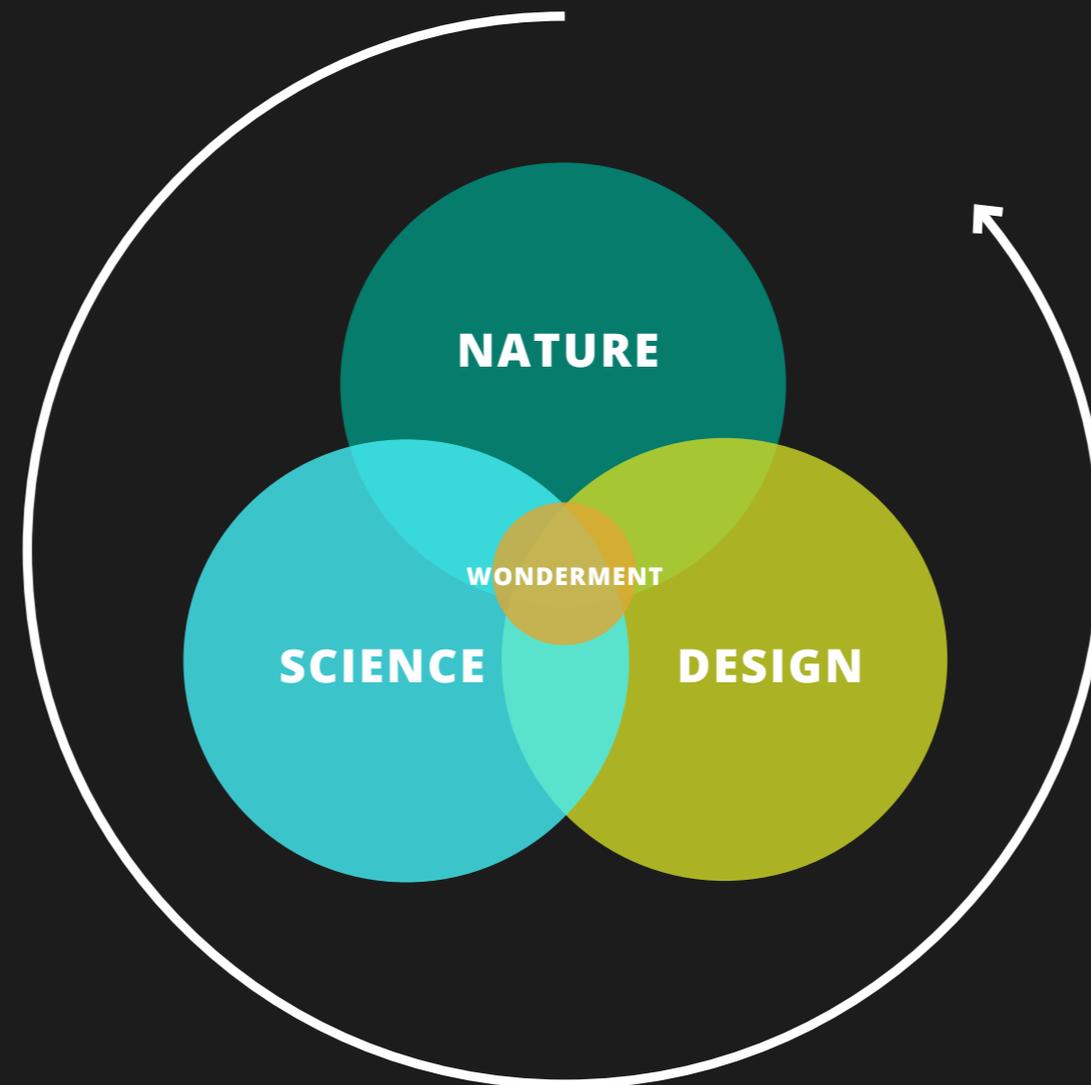
City of tomorrow

*We can create a world in which microbes
become part of our energy system and where
technology and nature will merge.*

*Building on the cities of the future.
An unforgettable experience with the use of
environmental technology in combination with
a breathtaking scenery.*

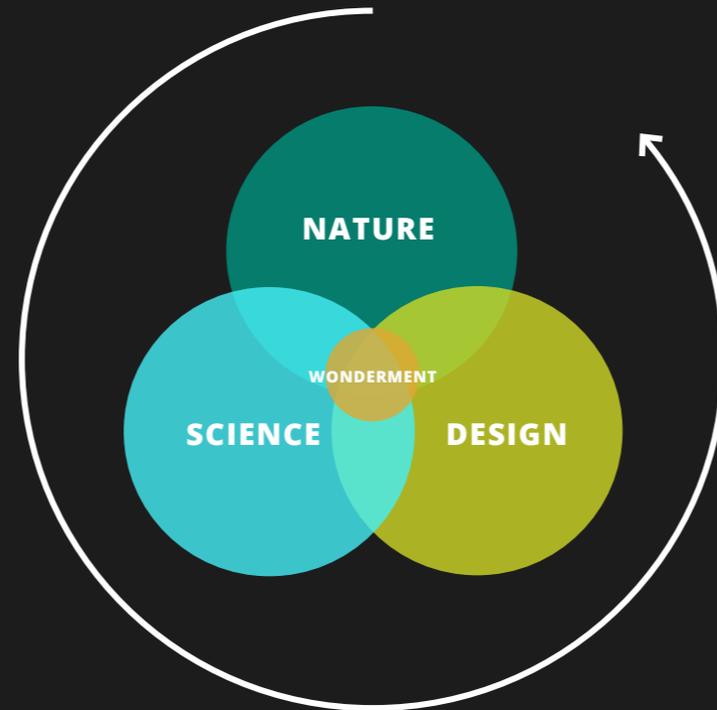
POSITIVE FEEDBACK LOOP

We as Nova Innova provide new ways to collaborate with nature, by combining nature science and design to start up the positive feedback loop.



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DESIGN AND WONDERMENT

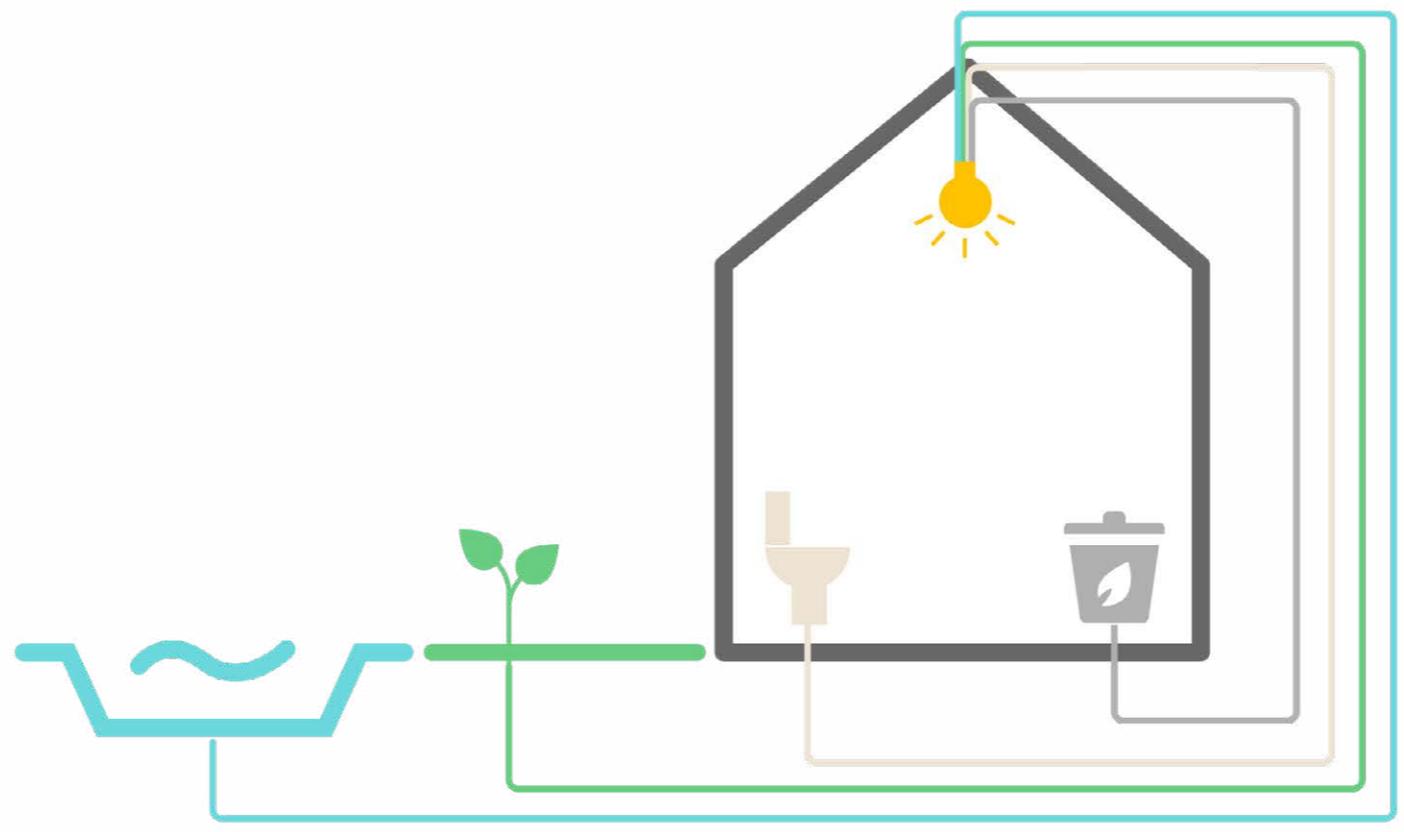
Creating a higher value to sustainable technologies by developing applications in the form of a powerful design. Let us look again from the amazement of nature.

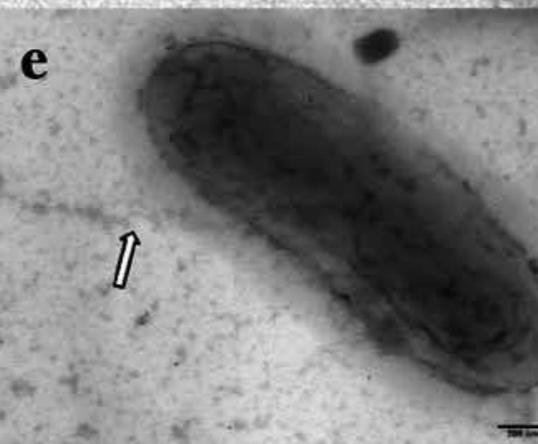
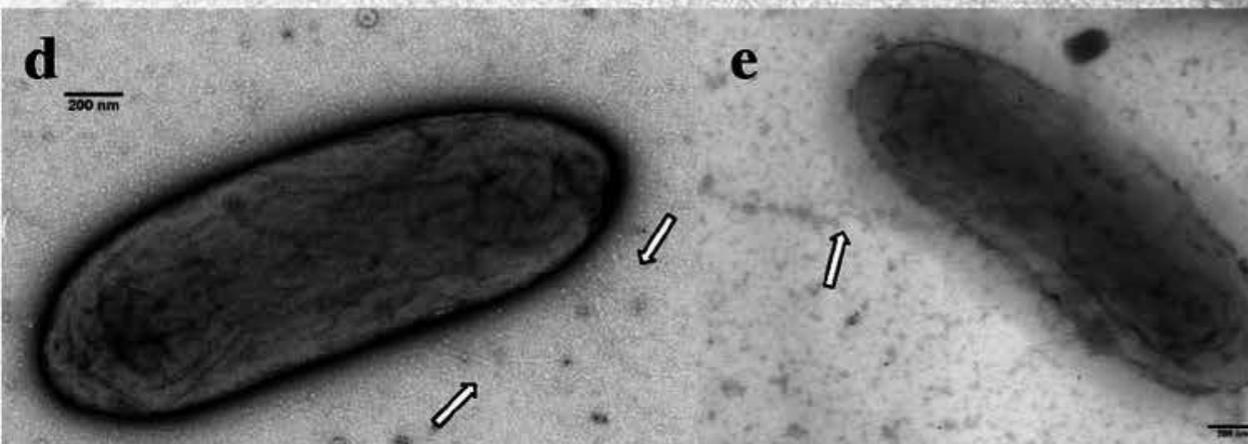
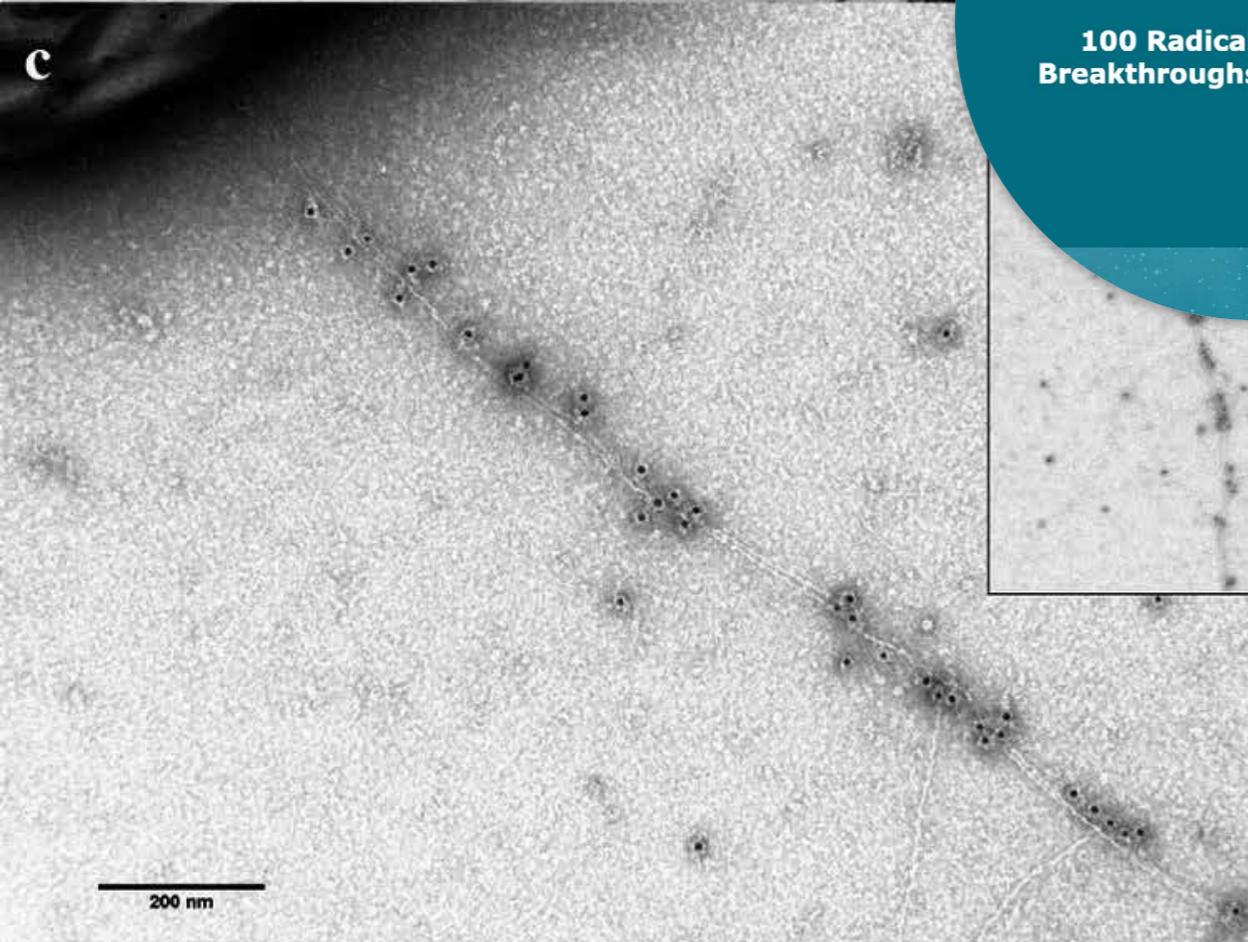
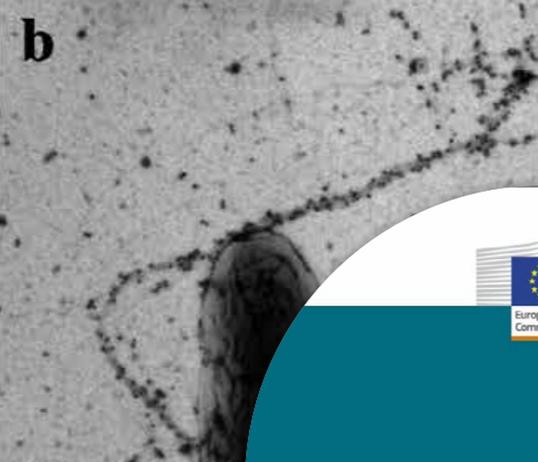
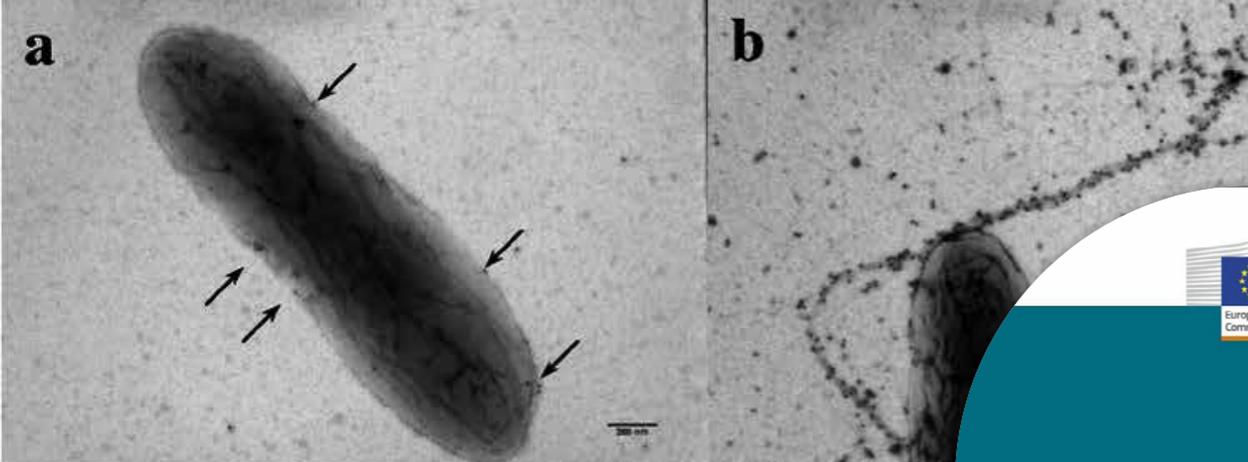
SYMBIOTIC SYSTEM

One of Nova Innova key targets, is to bring back the connection between man and nature. This by creating new ways to communicate with each other.

ECO SYSTEM AS A VALUE

It is our target to create a new story that is not based on financial growth, but on the value of being part of our ecosystem.





Foresight

**100 Radical Innovation
Breakthroughs for the future**

MICROBIAL FUEL CELL TECHNOLOGY

Microbial energy, a renewable energy source, which generates electricity through the breakdown of organic matter to produce electrons. This organic matter can be found in many places, for instance domestic waste water, organic waste, and even the soil where plants grow.

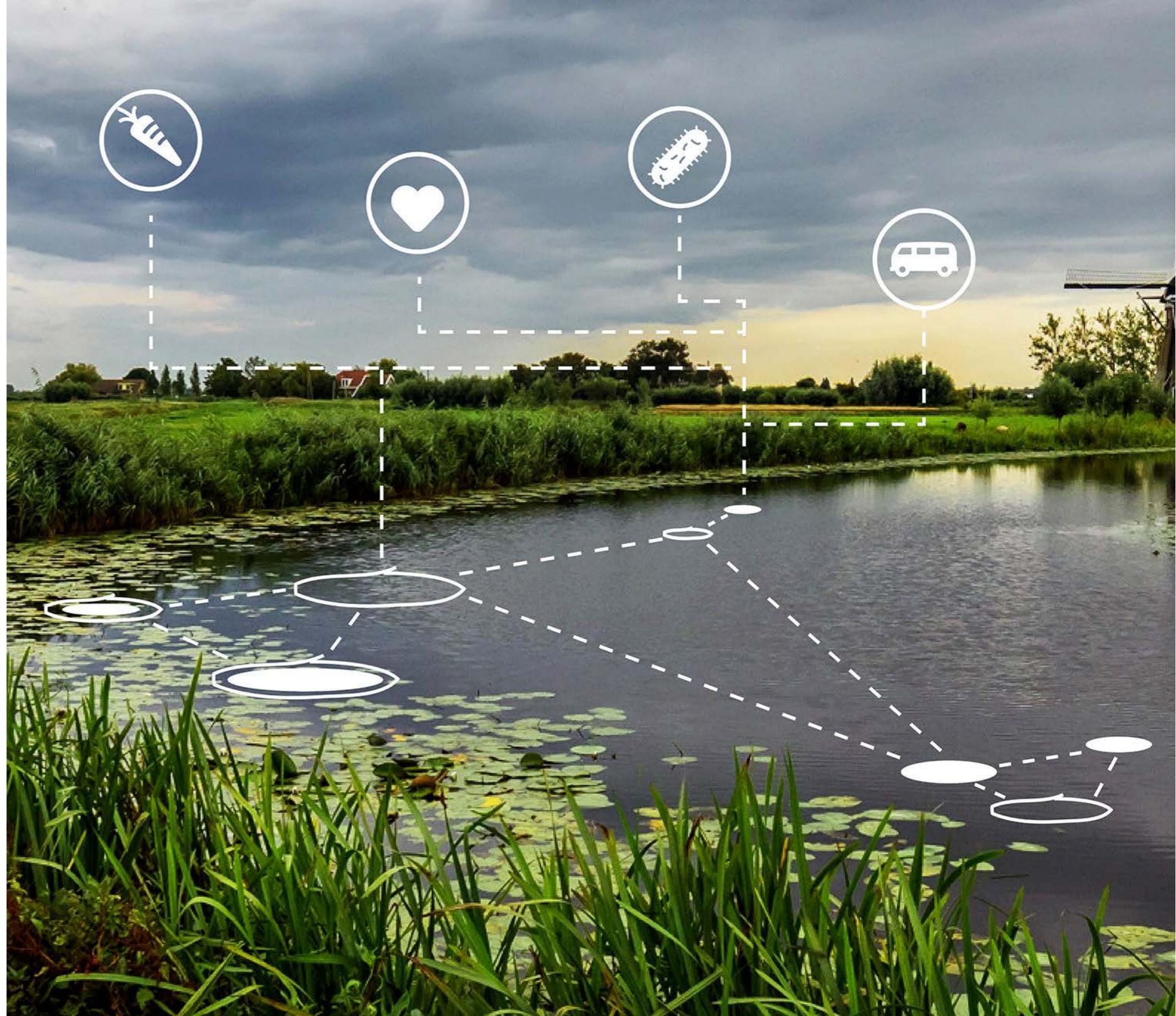
What could be more beautiful than getting electricity from living organisms without harming them? The environment generates electricity, and waste is converted into a valuable resource.

WATEREN ALS CIRCULAIRE ELEKTRICITEITSCENTRALE



POND

POND (Power Of New Discoveries) will become the first floating network in the world which will harvest its energy from organic compounds in the water, while purifying this water at the same time. With this energy we can do multiple things: interactively light up this whole network, collect and send information on the quality of the water, and any other IoT application you can imagine.



WHY



WATERBEWUSTZIJN DOOR VERBEELDINGSKRACHT

- *Participatie van bewoners*
- *Biodiversiteit en het herstel ervan*
- *Educatie*



VERBETEREN VAN WATERKWALITEIT

- *Circulair waterbeheer*
- *Digitalisering van processen t.b.v. monitoring*
- *Hoog frequent meten op meerdere plekken*
- *Wateren worden slim en zo kan er sneller op klimaatverandering en verstoring ingespeeld worden*



NIEUWE DUURZAME ENERGIESYSTEMEN

- *24/7 Groene energie*
- *Vermindert de uitstoot van broeikasgassen*
- *Stroom door het hele gebied op een duurzame en CO2 neutrale manier*
- *Water als het nieuwe zonnepaneel*

MICROBIAL LIGHT

First Prototype



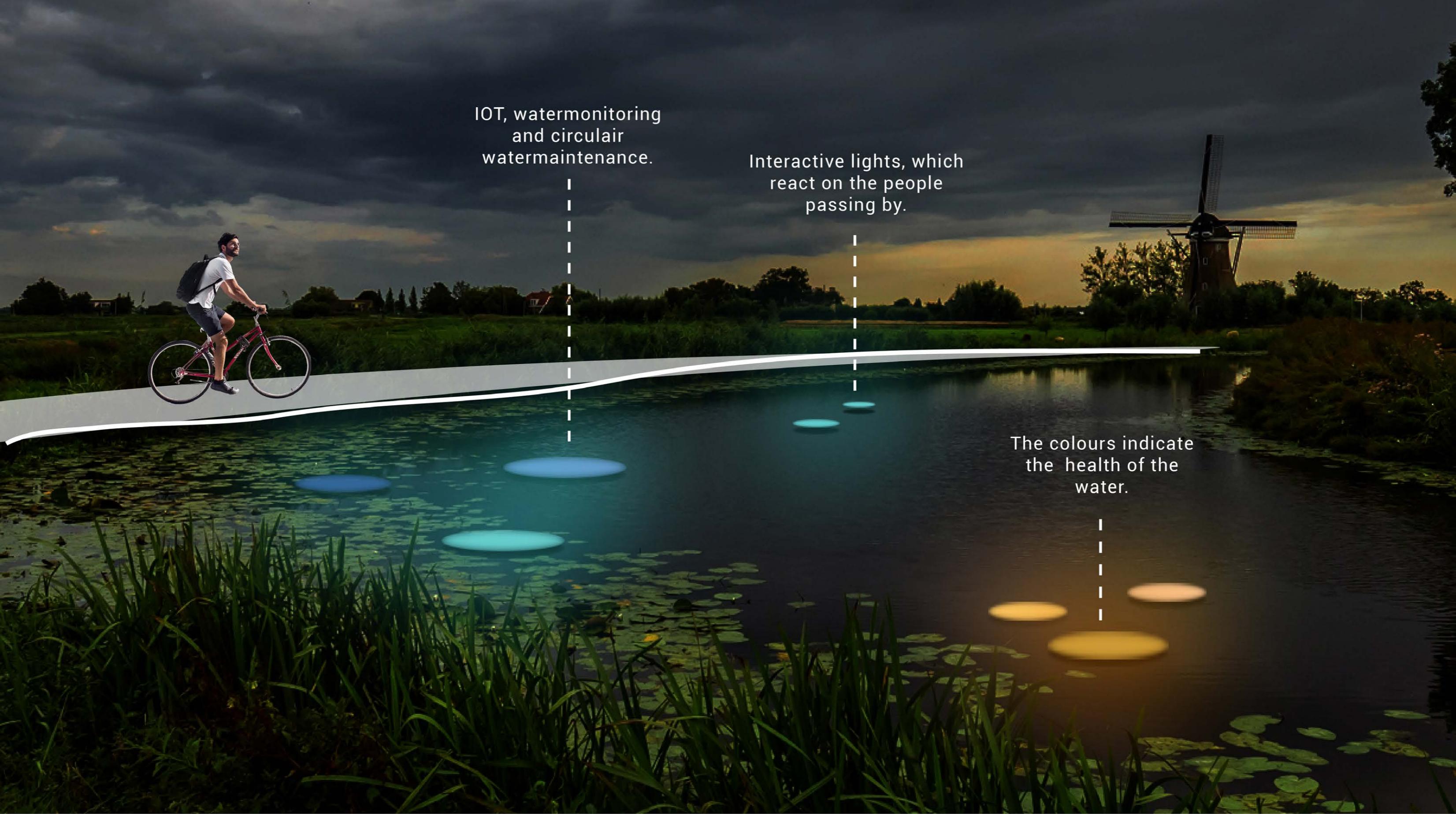
How the technology works



IOT, watermonitoring
and circular
watermaintenance.

Interactive lights, which
react on the people
passing by.

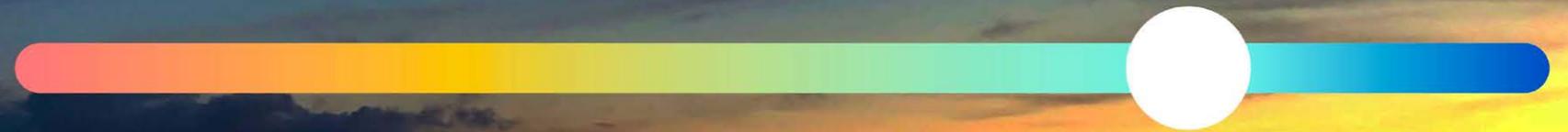
The colours indicate
the health of the
water.



THE WONDER OF WATER

The floating lights work like a microscope. The beauty of the underwater world is magnified by projections in the POND domes. In this way we show the wonder of water; we show that water is a living creature of which we need to take good care of.

WATER QUALITY LEVEL

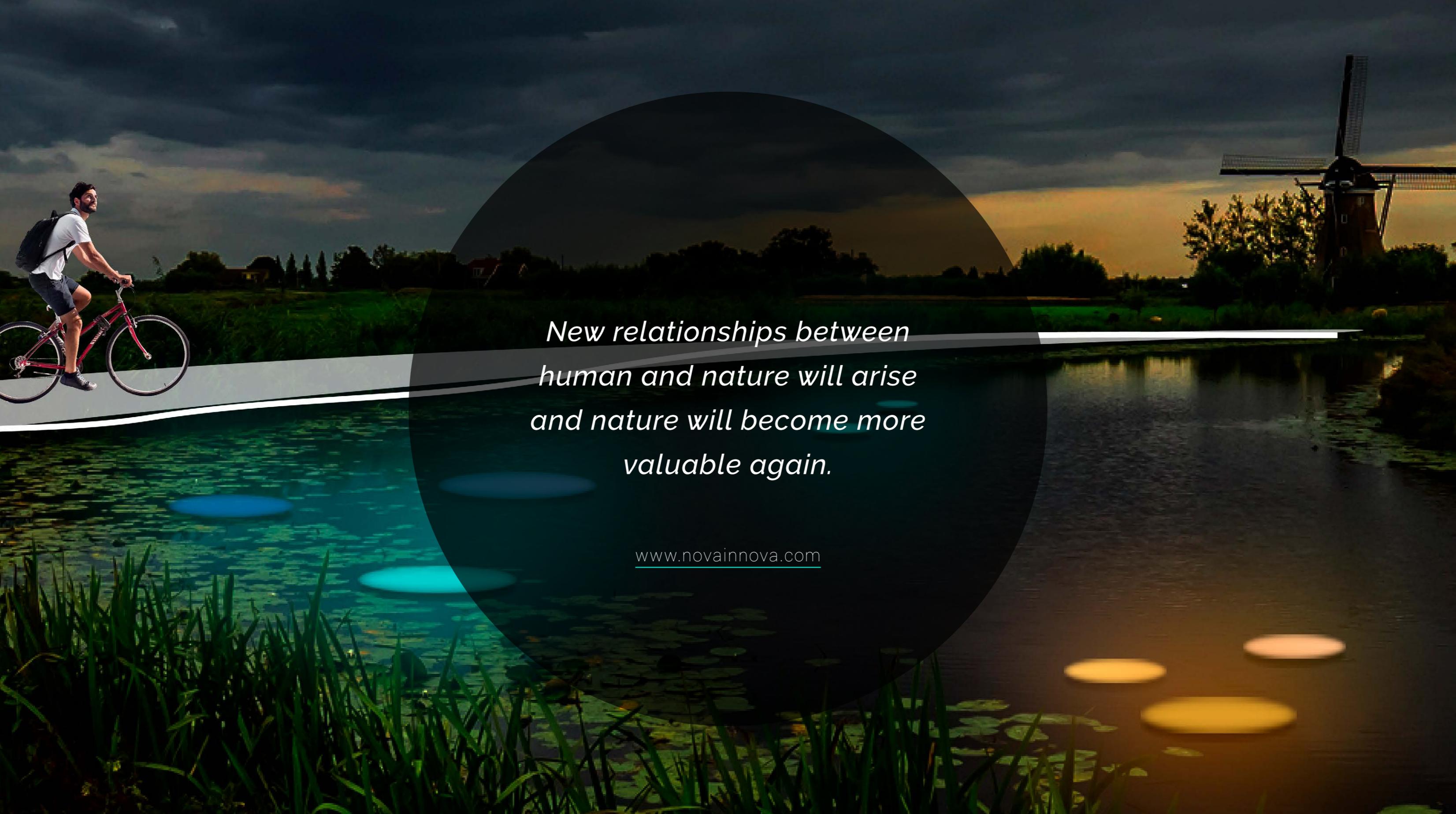


CIRCULAR MATERIALS



SDGs





*New relationships between
human and nature will arise
and nature will become more
valuable again.*

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