

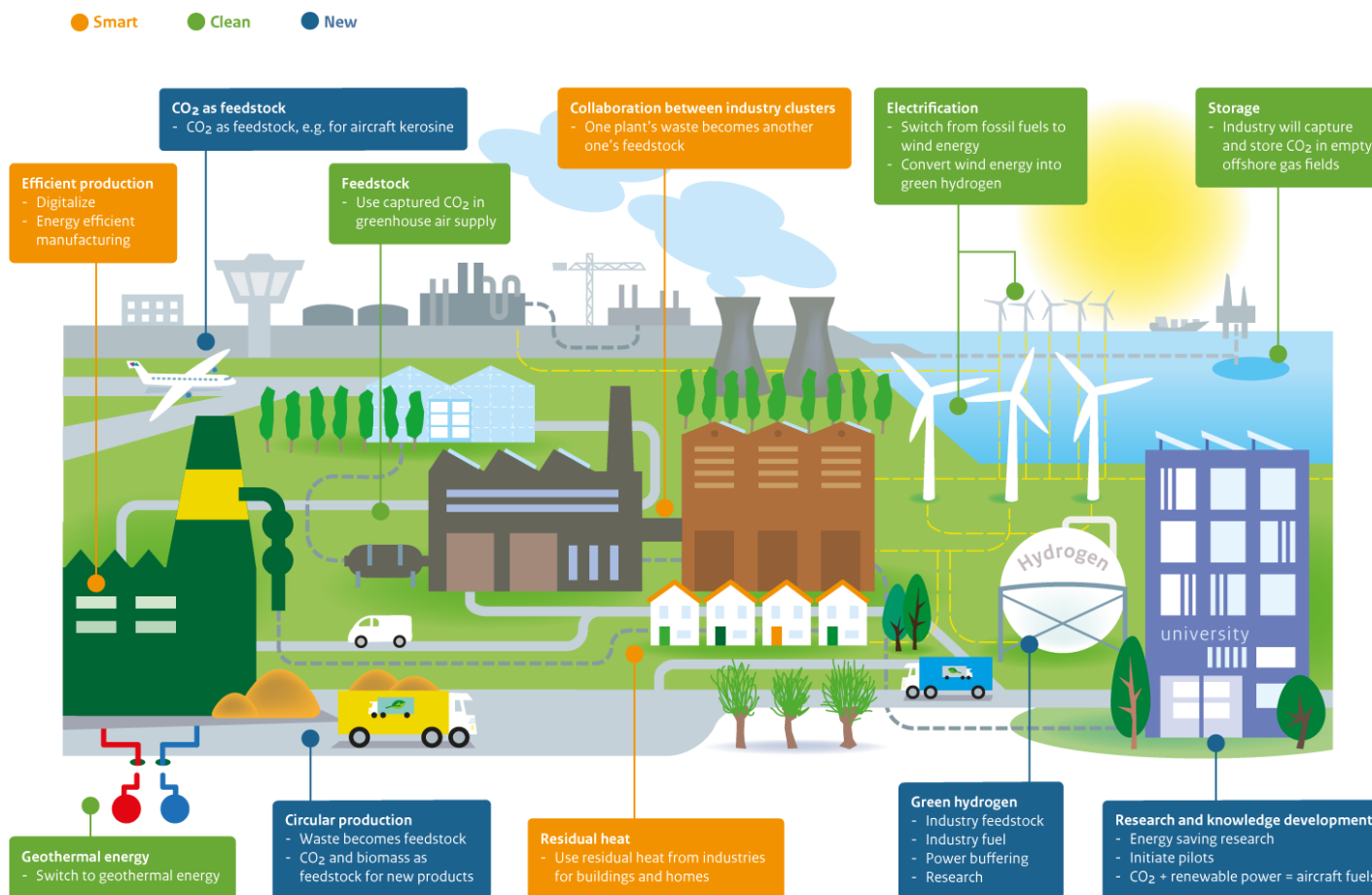


# Future of the Planet Examples the Netherlands

# Climate agreement Dutch industry

## Main topics:

- Smart industry
- Clean industry
- Financing



# Industry disruptions The Netherlands



# ioniqa



## What it is:

The highest degree of upcycling we know today: low-quality waste materials (plastics) back to the highest quality materials.

## Impact:

- Current use case: PET
- Converting the 90% (!) unusable PET into new raw material for PET
- The oil tap for the plastics industry can be closed
- Platform technology

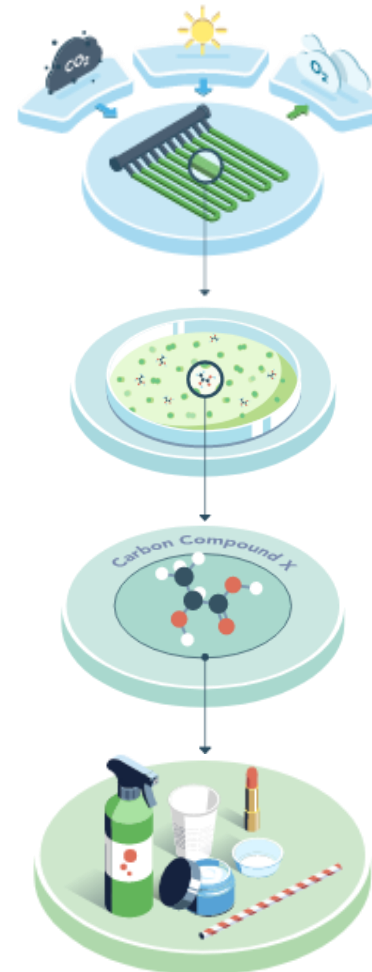


### What it is:

Turns CO<sub>2</sub> into renewable chemicals, through a photosynthesis process using cyanobacteria.

### Impact:

- Use CO<sub>2</sub> instead of fossil oil
- Ability to produce compounds for different applications
- Scalable process



CO<sub>2</sub>

Photosynthesis

Metabolic pathways

Plastic, detergents,  
biofuels, etc.



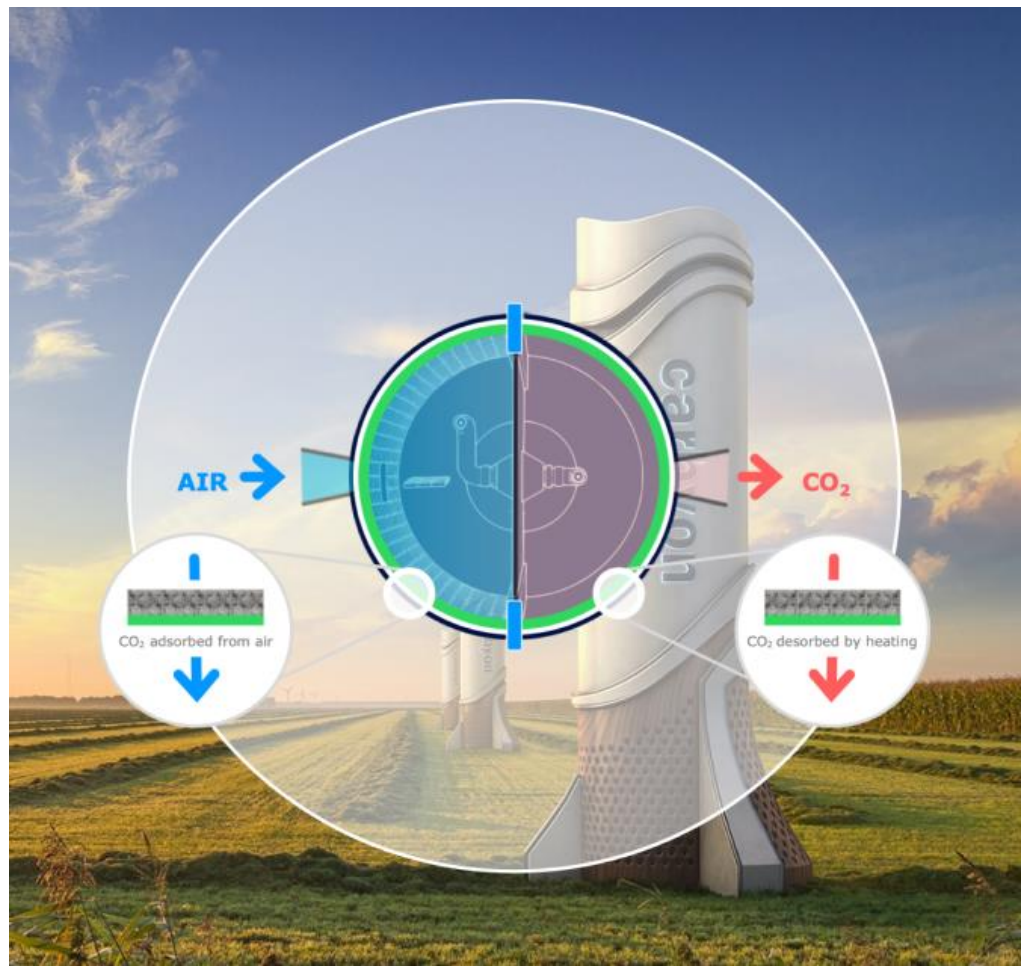


**What it is:**

Cost efficient process for CO2 capturing out of the air

**Impact:**

- During the transition to renewable energy it is essential to capture CO2
- CO2 can be used to renewable fuels
- Essential for greenhouses

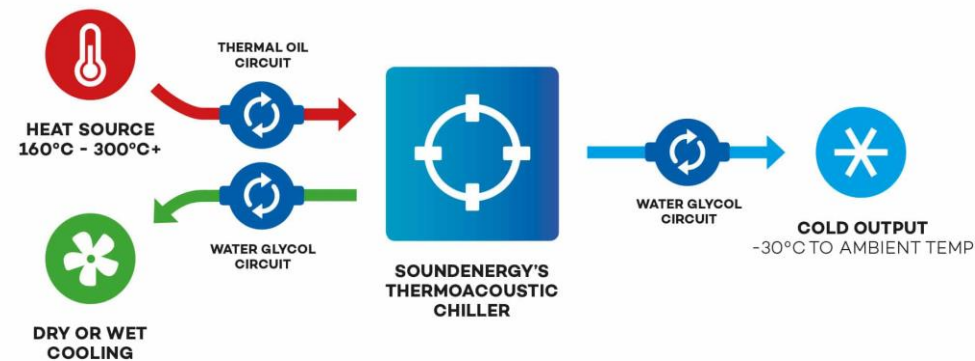


### What it is:

Converts heat into cooling, saving electricity, emissions, and money without the use of harmful refrigerants or chemicals.

### Impact:

- CO2 neutral technology
- Possible energy savings of 50%
- Particularly interesting in:
  - Food-Bakeries
  - Die cast/metal wire production
  - Metal hardening production
  - Hydrogen production
  - Textiles-laundry cooling
  - Prilling tower cooling



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