

HYDRO  
CO<sub>2</sub>OL

# DISCOVER

our new cooling  
technology

1

---

# CO<sub>2</sub> COOLING

As the world heats up, the need for efficient, sustainable cooling grows.

HydroCool meets this challenge with CO<sub>2</sub>, a natural, low-impact refrigerant, delivering reliable cooling even in tough conditions.

2

# THE CORE IDEA

Traditional cooling systems rely on mechanical components that can be rigid, inefficient, and high-maintenance. HydroCool improves on this by replacing mechanical parts with hydraulic components, making cooling:



# THE CORE IDEA



## More efficient

Energy is reused, and the system minimizes energy losses



## More adaptable

It works even in extreme temperatures, both hot and cold.



## More reliable

Fewer moving parts mean less wear and tear.

3

2

# 3 KEY INNOVATIONS

- 1 Efficient Compression:** Compresses CO<sub>2</sub> using less energy and no friction.
- 2 Energy Reuse:** Reuses energy during cooling to make the system more efficient.
- 3 Flexible Cooling Fluid:** Works in extreme temperatures, from -40°C to +12°C, for diverse uses.

---

4



# WHAT'S NEXT?

In the coming months, we'll take a closer look at how HydroCool works, step by step, and show how it can make cooling systems more efficient and sustainable.

5

HYDRO  
COOL

HYDRO  
COOL

STAY UPDATED  
FOR MORE!



@HYDROCOOL  
Project



hydrocool-  
project.eu