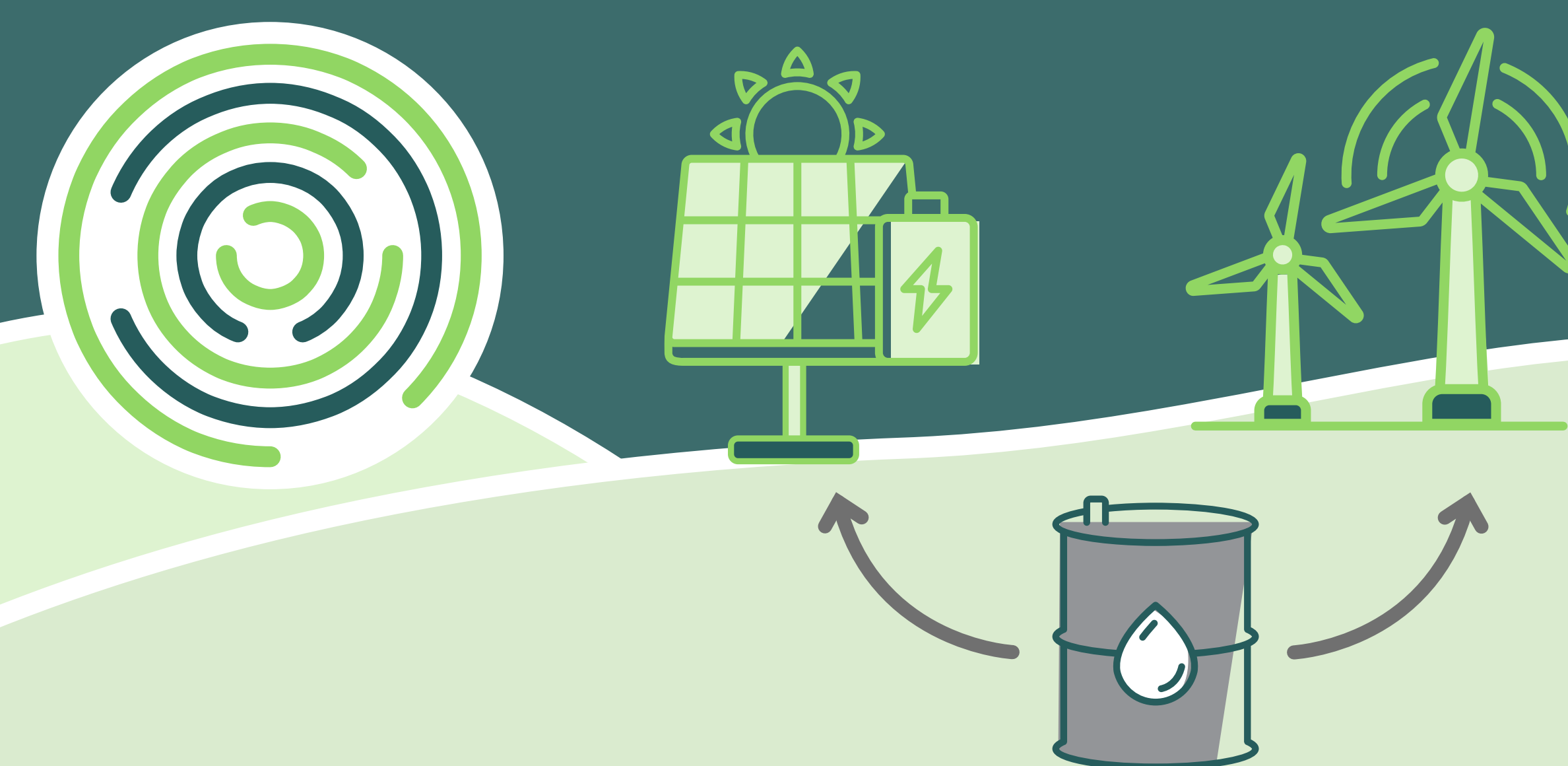


Electrification of
Production & Processes

HOW TO...

...REDUCE EMISSIONS BY SWITCHING FROM FOSSIL FUEL-BASED PROCESSES TO RENEWABLE ELECTRICITY

DEMONSTRATION PROJECTS



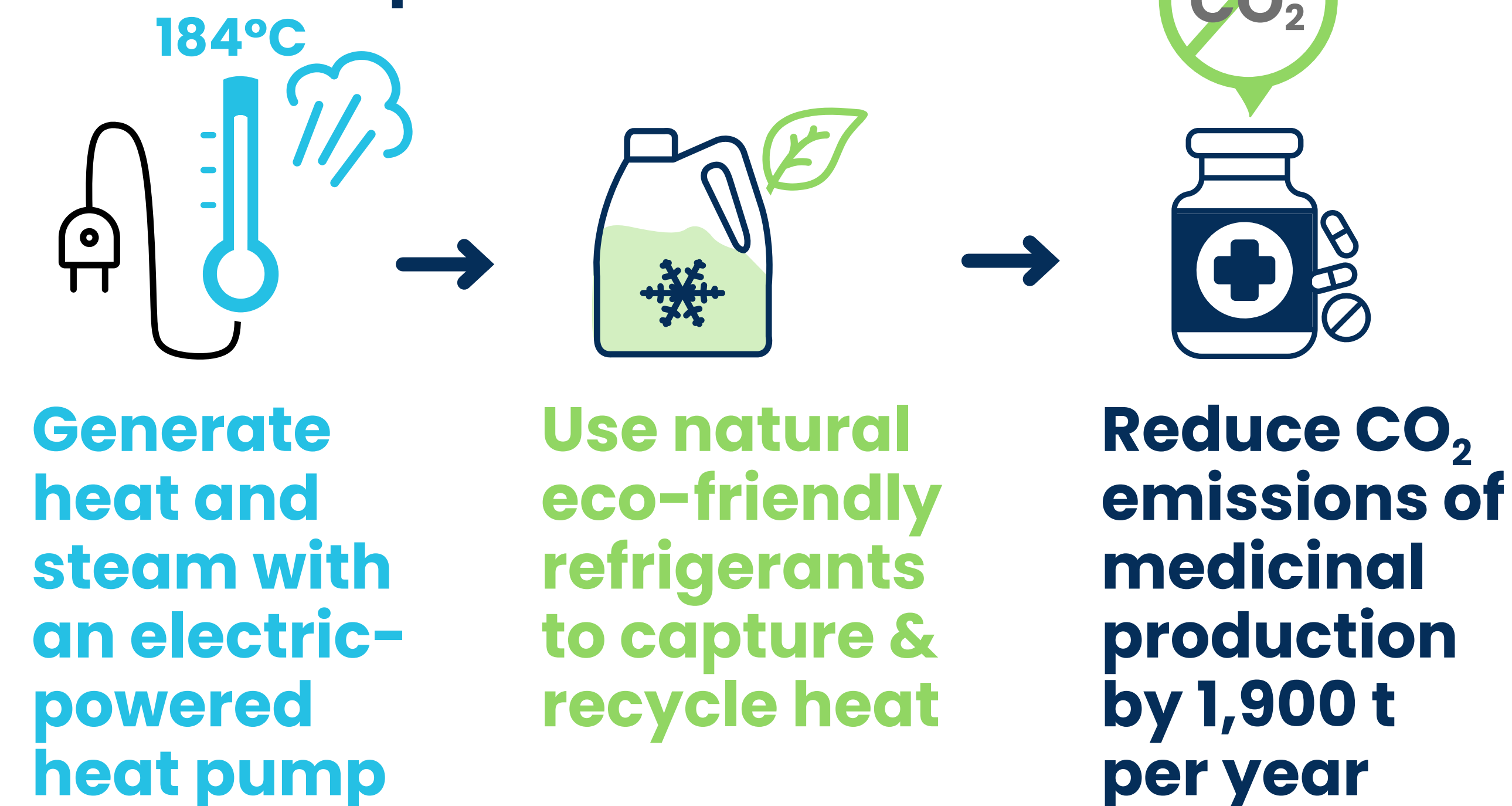
Takeda Manufacturing,
Austria

DEMONSTRATION PROJECT

AHEAD

USING HEAT PUMPS TO PRODUCE
STEAM TO MANUFACTURE MEDICINES

HOW TO: Produce eco-friendly
pharmaceuticals



TARGET SECTOR

- Chemicals & Refining

TIMELINE

2022: Project
commenced
2024: construction
started

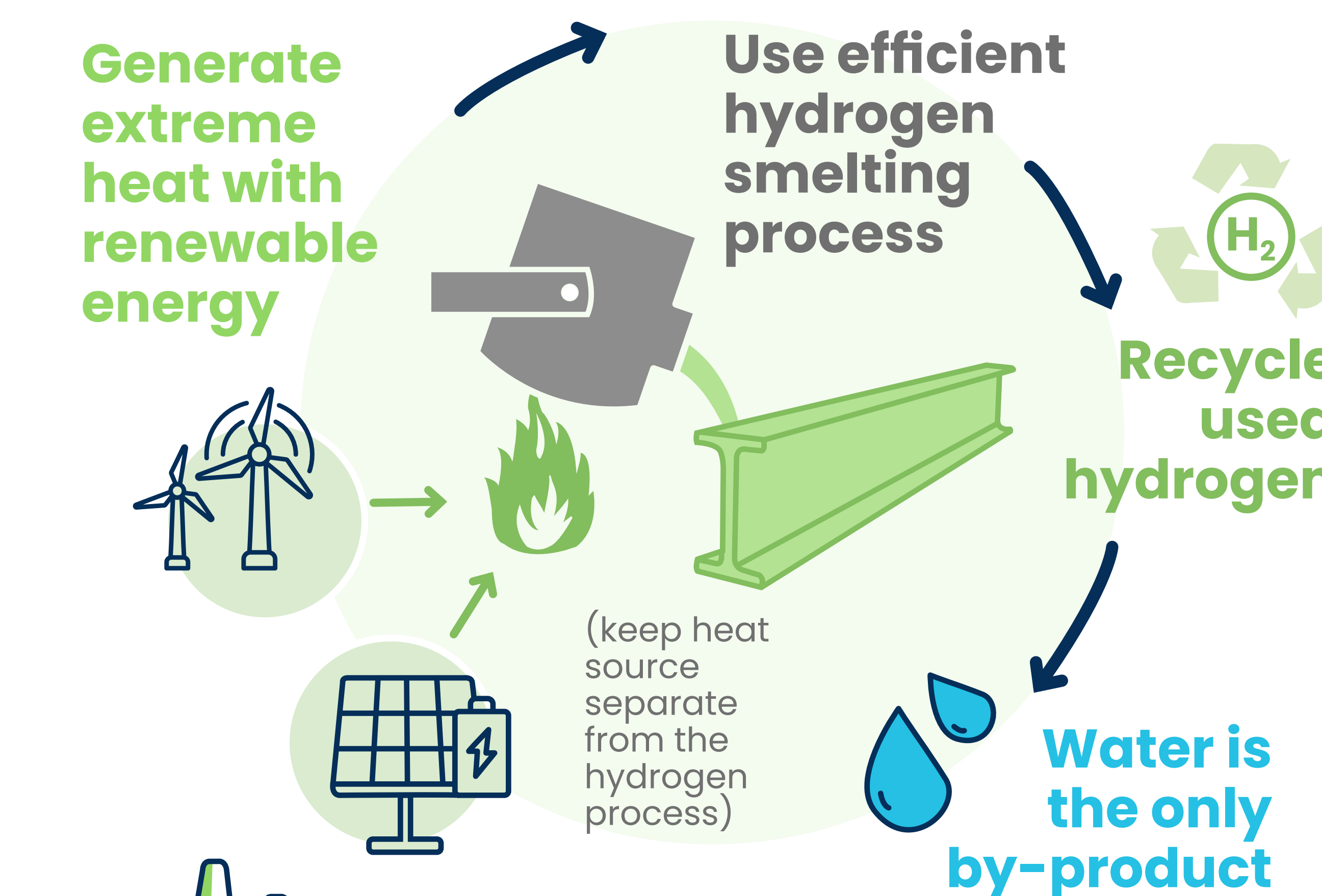
Calix, Australia

DEMONSTRATION PROJECT

ZESTY

PRODUCING AFFORDABLE, ZERO-EMISSION
STEEL WITH RENEWABLE ENERGY

HOW TO: Produce green iron & steel



TARGET SECTOR

- Iron & Steel

TIMELINE

2021: ZESTY patented
2024: FEED Study &
130 tests completed

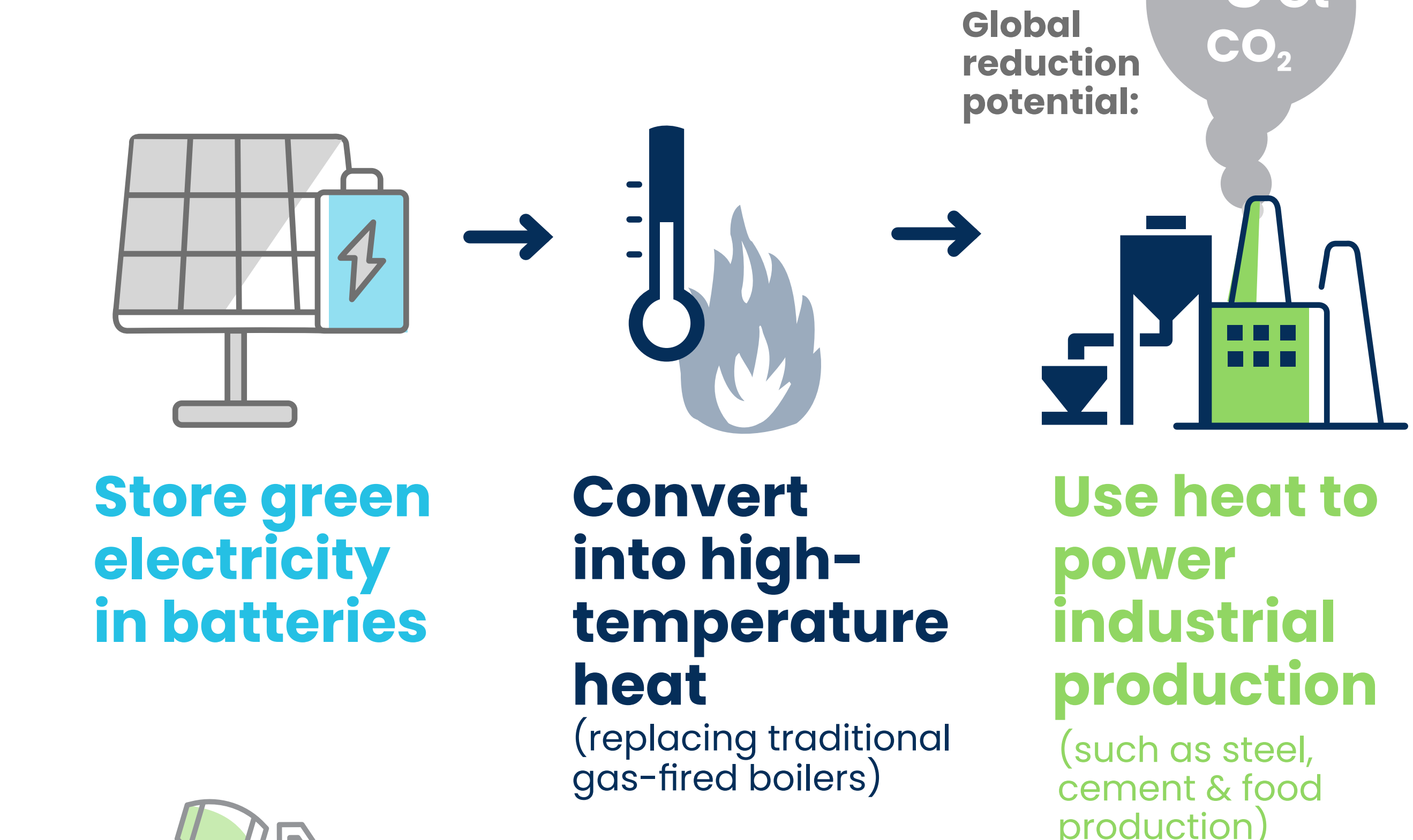
Rondo Energy, United States

DEMONSTRATION PROJECT

Rondo Heat Battery

BATTERY-STORAGE OF RENEWABLE
ENERGY FOR CLEAN HEAT

HOW TO: Prevent energy waste



TARGET SECTORS

- Cement & Lime
- Chemicals & Refining
- Other Energy Intensive
& Hard to Abate sectors

TIMELINE

2020: Development
started
2023: Commercial
deployment at ethanol
plant in California

WWW.NET-ZERO-INDUSTRIES-MISSION.NET

**GET INVOLVED
& STAY IN TOUCH**

The Net-Zero Industries Mission is a collaboration across countries, government, and industry to drive and accelerate the adoption of decarbonisation technologies by hard-to-abate, energy-intensive industries. Technology demonstrations are a critical tool in sharing experience and building trust for industry investments.

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MORE INFO

Demonstration
project database

