



ENABLING DECARBONIZATION

CO₂: FROM POLLUTANT TO PRODUCT

CLEAN ENERGY SOLUTIONS

The path to a low carbon society in close cooperation with industry

Following global mega trends and the European strategy on climate change, our New Business Unit is driving the low-carbon revolution. New Business offers solutions for power plants and the process industry as well as for decentralized facilities of municipalities and smaller entities. We create business cases in close cooperation with our industry clients exploring how to utilize and reduce carbon dioxide in the circular economy, from carbon capture solutions to fuel cells to Power-to-X applications. Smart digital applications are developed for both supply and demand side while having full access to the global resources and comprehensive product range of our Japanese parent company, Mitsubishi Power and our majority shareholder, Mitsubishi Heavy Industries.

Driving clean solutions

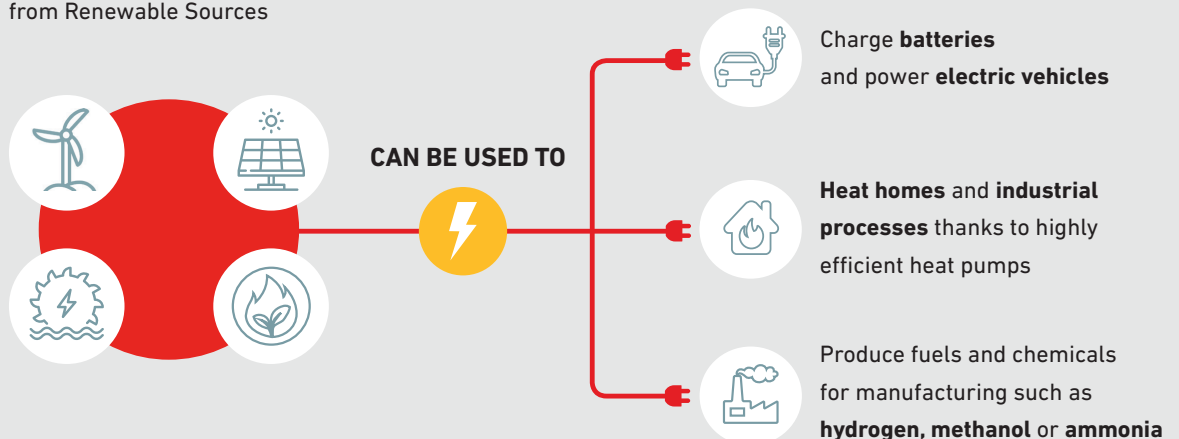
A low-carbon economy remains illusory if the energy transition is reduced to generating electricity using renewable energies. Decarbonization can only succeed if renewable energies can also be stored and used seasonally as gas or liquid fuel. Surplus renewable electricity can be converted and used - in trucks, airplanes and ships, but also in steel and chemical plants and other industries. The necessary technologies are known and available. Electricity is converted into storable hydrogen to feed fuel cells or to make "green" gas from recycled CO₂.

PRODUCT RANGE

- TOMONI™ and ENERGY CLOUD™
- Hybrid Systems (Generation & Storage)
- Waste heat recovery incl. ORC
- Hydrogen (Gas turbine, Electrolyser)
- Carbon Capture
- Combined heat and power including fuel cell
- Power-to-Fuel, CO₂ utilization
- Converted Local Biomass (CLB)
- Power-to-Heat

Surplus Power

from Renewable Sources



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