Power for a Brighter Future

Initiatives for SDGs

Driving a future of sustainable power generation.

MHPS is focusing on the future of sustainable power generation. We are implementing the shift to decarbonization, as well as keeping the balance of affordable and stable power supply. We offer solutions to address issues on a global scale using generation technology. For a brighter future that offers peace of mind.

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PEOPLE
Solving societal issues in developing countries and regions

Easing power shortage issues
Encouraging economic growth by supporting electrical supply.
Vietnam Case

Stabilizing power supply
Contributing to stable and reliable power generation by operating and maintaining power plants.
Uzbekistan Case

Quick recovery from disasters
Contributing to mobile, compact generation solutions to address power shortages caused by natural disasters.
Puerto Rico Case

Greatly suppress emissions of air pollutants
Quality control systems to clean emitted gases.
India Case

PLANET
Promoting decarbonized and low-carbon technology

Next-generation thermal power generation
The world’s highest level of GTCC power generation efficiency 64%
- Gas turbine combined cycle power plants (GTCC)
- Integrated coal gasification combined cycle (IGCC)
- Biomass mixed-combustion power generation

Shifting to hydrogen gas turbine power generation
Expected CO₂ reduction from one 440MW plant
Approx. 1.3M tons per year

Solid oxide fuel cells
Compared with existing cogeneration power generation
Anticipating CO₂ reduction
1
2
99.6%
High plant operation rate

Geothermal generation
Clean, green energy from the earth

PROSPERITY
Coexisting with renewable energy

Generating renewable energy

Gas turbine generation

Balancing stable power generation while reducing environmental impact

North America Case
Supplementing the unstable power of renewable energy using gas turbine power generation with short startup times.

PARTNERSHIP
Global value co-creation

MHPS
Providing technology/know-how to develop business opportunity

WIN-WIN
Partner companies
Receiving technology/know-how to develop countries or regions

Thailand Case
Jointly established a parts repair plant with customers, providing technology and know-how, and educating local engineers.