

Technical Review Special Edition: Mitsubishi Power, Ltd.

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Welcome to this special edition of our technical review featuring Mitsubishi Power, Ltd.

In September 2020, Mitsubishi Power officially changed its corporate name from Mitsubishi Hitachi Power Systems and became a wholly owned subsidiary of MHI Group. At the same time, we issued our new Mission Statement “Mitsubishi Power is creating a future that works for people and the planet by developing innovative power generation technology and solutions to enable the decarbonization of energy and deliver reliable power everywhere.” We declared our determination to work even more closely with our sister companies in MHI Group and, as a provider of comprehensive energy solutions, to respond to the needs and expectations of our customers. Subsequent to that declaration, Japan announced intent to achieve zero carbon emissions by 2050, thereby accelerating and expanding the trend toward a low-carbon and decarbonized society globally.

In light of such changes in the market environment and social demands such as the prevention of global warming, Mitsubishi Power’s technologies for achieving more efficient and carbon-free power generating systems will be advanced further. The comprehensive capabilities within the MHI Group will enable us to drive the “Energy Transition” strategy forward. Robust efforts will permit us to achieve a hydrogen- and ammonia-based society and allowing us to adjust power generation sources in tandem with increased use of renewable energy, to expand energy storage capability, and to promote carbon recycling.

This issue aims to deepen your understanding of our business development and product technologies by introducing a wide range of product technologies including next-generation gas turbine with higher temperature technology, hydrogen/ammonia-fired gas turbines for a carbon-neutral world, and state-of-the-art environmental equipment. Further, we see the development of fuel cell systems, and fuel manufacturing technology that applies biomass gasification technology utilizing existing technology, as well as efficiency improvement of thermal power plants, efficiency enhanced generators, plant maintenance technology, etc.

Recently, we announced that Mitsubishi Power will be integrated into Mitsubishi Heavy Industries on October 1, 2021, and that we will further accelerate the “Energy Transition” strategy by unifying the two companies’ management resources to enable greater efficiency. We will continue to promote technological development to contribute to the goal of “realizing a sustainable, decarbonized society and delivering reliable power everywhere.” We would like to ask for your guidance and support for our activities.