

Technical Review Special Edition: Industry & Infrastructure

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Welcome to this special edition of our technical review featuring Industry & Infrastructure.

The world economy is facing a challenging situation because of the coronavirus pandemic and requires every company including ours to change drastically. Furthermore, there are also numerous other problems that need to be resolved through global cooperation, including environmental issues, energy challenges and frequently occurring natural disasters.

To cope with severe changes in the world's state of affairs and build a corporate structure that enables us to survive against global competition, as from April 1, 2020, the "Industry & Infrastructure Domain" has been replaced by the following two new domains and one new segment: "Plants & Infrastructure Systems Domain," "Logistics, Thermal & Drive Systems Domain" and "Machinery Systems Segment."

This special edition introduces the businesses of these newly founded two domains and the segment.

The Plants & Infrastructure Systems Domain is featured first to offer a glimpse of its engineering capabilities. This includes the next-generation cold rolling mill HYPER UC-MILL, the rail transportation system for Macau, the introduction of remote monitoring and operation support systems to optimize the management of waste to energy plants, the mercury removal system for flue gas from municipal solid waste (MSW) incineration facilities, refurbishment technologies for essential components of a waste incineration plant to contribute to realizing a low-carbon society, sustainable environmental solutions of the DIA-SOx[®] scrubber system and LNG fuel gas supply system, and a large Ropax ferry "Kitakami" with a design concept for space travel.

Secondly, the Logistics, Thermal & Drive Systems Domain is introduced to understand the technologies of globally mass-produced products. The reports pertain to the new electric counterbalanced forklift "ALESIS," the air conditioning business in Australia, the 40 HP CO₂ refrigeration condensing unit realize a shorter construction period (HCCV4001M, "C-puzzle" series), "MSV2," an air-cooled heat pump chiller using R32 refrigerant, energy saving and its effect realized by introducing an inverter to a large capacity 2700 USRt centrifugal chiller, and MITSUBISHI rice transplanter "LKE60AD."

Lastly, the focus is placed on the Machinery Systems Segment, in which the cooperative ITS merging point support system for automated vehicles and the twin rotary die cutter EVOL5084TR are reported as part of the projects for advanced technology development.

Under this new corporate structure, we dedicate our efforts to developing technologies and products that are in demand across the globe. We would appreciate your continued support and understanding in our quest.