

Technical Review Special Edition: M-FET

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Welcome to the special edition of the MHI Technical Review featuring Mitsubishi Heavy Industries Forklift, Engine and Turbocharger Holdings, Ltd. (M-FET).

M-FET is MHI's first holding company and controls the three business domains of logistic systems, engines/energy, and turbochargers. Founded in March 2016, M-FET has three subsidiaries: Mitsubishi Nichiyu Forklift Co., Ltd., UniCarriers Corporation, and Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.

Dramatic logistics revolution through e-commerce. Deregulation of electricity markets. Rapid spread of Internet of Things (IoT) and artificial intelligence (AI). Growing concerns and awareness about the global environment. These are just some examples highlighting the speedy yet powerful dynamics of our changing business environment. There are strong market demands for new unmanned or automated physical distribution systems, distributed power sources such as cogeneration, high-efficiency turbochargers with low environmental impact, and utilization of information networks. In the middle of such circumstances, we place our belief in the "fusion of logistics and energy," creating synergies between the three companies and promoting the shift from individual business operations to solution-oriented business frameworks.

This special edition presents a wide range of our latest products and technological trends.

Logistic systems business: Next generation forklift trucks (with fuel cells or Li-ion batteries), forklift truck operation management systems using IoT, etc.

Engines/energy business: Development of highly efficient distributed power generation systems, challenges to realize high-value-added energy solutions, etc.

Turbochargers business: Streamlining of production lines via IoT to realize smart factories, undertaking challenges to reinforce the functioning of Mitsubishi Turbocharger and Engine Europe B.V. (MTEE), which is our European production base (the second largest behind Sagami-hara), etc.

Moreover, the Engine & Turbocharger Development Center, which was established in July 2016 to accelerate the creation of technological synergies between these three businesses, will be introduced.

With our Group mission "Creation of Joy and Inspiration through the Fusion of Logistics and Energy," M-FET will aim to be the world's top company in all the three businesses.

We sincerely appreciate your continued support and guidance.