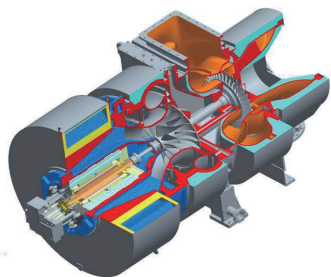


# Turbochargers

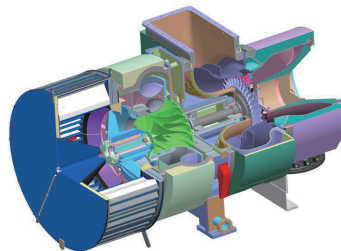
 **MITSUBISHI HEAVY INDUSTRIES MARINE MACHINERY & ENGINE CO., LTD.**

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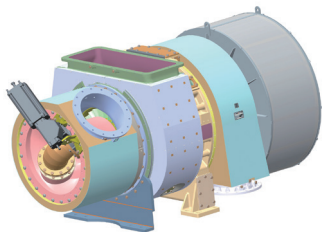
## Hybrid Turbochargers

The compact hybrid turbocharger has a built-in power generator so that it not only supplies super-charged air to the engine but also uses rotational energy to generate electrical power at the same time. It contributes to the improvement of fuel efficiency by supplying all electrical power necessary while at sea.



## Electric Assist Turbochargers

The electric assist turbocharger is a turbocharger that incorporates a compact electric motor that assists the driving of the turbocharger. This provides optimization of plant efficiency when a ship is operating under slow steaming, enabling equal or better performance than an auxiliary blower while consuming little power.



## VTI (Variable Turbine Inlet) Turbochargers

By adjusting the turbine nozzle's inlet area through which exhaust gas passes, the VTI turbocharger increases scavenging air pressure under low loads, thereby improving the performance of the main engine. It can be retrofitted to improve fuel-efficiency of ships in service.

## INQUIRIES

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