

The Ship Machinery Technical Department is engaged in the development of marine auxiliary boilers, fresh water generators, incinerators, and other marine equipment. We have many offices in areas around Japan where shipyards are present, as well as in overseas locations, from which we are able to offer nuanced responses to the requests of our customers, and helping us to build trust in a track record stretching approximately 50 years. In recent years stringent regulations have been imposed on the marine industry in order to protect the environment. Amidst this tightening control, we are pushing forward with the development and supply of ballast water management systems and RO fresh water generators. Ballast water management systems sterilize the water (ballast water) retained inside a ship to preserve the vessel's balance. Ships take on and discharge water all over the world, moving aquatic organisms and pathogens native to certain areas across borders, with consequent adverse effects on ecosystems. The RO fresh water generator supplies the high-purity water needed onboard ships. With regulation of gas emissions also progressing in the shipping industry, an increasing number of vessels are equipped with denitration devices as a measure to comply with this. High-purity water is used to prepare the urea solutions needed for these systems. Protecting the world's marine environments is also linked with protecting people's health. We would be delighted if, through our work, we were able to pass on this beautiful ocean to the generations to come.

## SHIP MACHINERY TECHNICAL DEPARTMENT



We will help protect the marine environment by dealing with the world's oceans.



Sustainable Development Goals (SDGs) are shared goals for international society to be achieved by 2030, adopted at the United Nations summit in September 2015. They comprise 17 goals for achieving a sustainable world.

