

SDGs Torishima's Initiatives

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7 AFFORDABLE AND CLEAN ENERGY



AFFORDABLE AND CLEAN ENERGY

Ensure access to affordable, reliable, sustainable and modern energy for all

Electricity is indispensable in our daily lives for lighting our rooms, cooling ourselves with air conditioners, and charging our smartphones, but **about 800 million people in the world live without electricity**. Should we build more and more power plants? No, fossil fuels such as coal, oil or gas have been major sources of electricity production, but burning carbon fuels produces large amounts of greenhouse gases which cause climate change. Therefore, new construction has been halted around the world. In other words, the challenge is to make “clean” electricity accessible to “everyone”. The main measures to achieve this are: **(1) Create an environment where everyone can use electricity, (2) Increase clean energy, and (3) Increase energy efficiency more than ever**. We have been involved in all of them and can contribute with our Torishima pumps.

(1) Create an environment where everyone can use electricity

Full lineup of pumps for thermal power generation

Although coal-fired power generation is moving toward obsolescence, not all thermal power generation is being phased out. In recent years, demand has increased for high-efficiency power generation methods such as combined cycle and gas turbine combined cycle. Torishima is one of the few manufacturers in the world capable of producing all major pumps used in thermal power plants.



(2) Increase clean energy

Pumps for biomass, geothermal, and ammonia power generation.

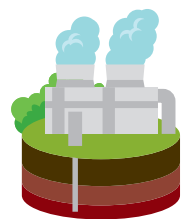
Torishima has approximately 90% of the domestic market share for pumps for biomass power generation (limited to boiler feedwater pumps), and has a proven track record both in Japan and overseas for pumps for geothermal power generation. We will also continue to focus on the expansion of clean energy by developing pumps for ammonia and hydrogen, which are highly anticipated as next-generation energy sources, and investing in wind power generation-related businesses.



Biomass



Wind Power



Geothermal etc.

(3) Increase energy efficiency more than ever

Highly efficient Super Eco Pump.

As the world's most energy-efficient pump manufacturer, Torishima has continued its “Go Green with Pumps” activities and was awarded the Energy Conservation Grand Prize in FY2014. In the future, we will contribute to the energy conservation of society as a whole by developing and providing more efficient super eco-pumps.

