

SDGs Torishima's Initiatives

This page was written in the company magazine.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



INDUSTRY, INNOVATION AND INFRASTRUCTURE

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Infrastructure such as water, sewage, electricity, roads, and the Internet are essential for a safe, secure, and comfortable life. Goal 9 seeks to make this infrastructure available to anyone, anywhere in the world, as a matter of course. Since it is also connected to Goal 11, "SUSTAINABLE CITIES AND COMMUNITIES" where we discuss Torishima's disaster mitigation technology, this time we will focus on the other theme of Goal 9, "INNOVATION".

Innovation is the realization of new goods and services that we wish would happen. Going back in history, the advent of steam locomotives and automobiles, and in modern times, the spread of computers, cell phones, and the Internet are also innovations. As you know, the use of IoT, Big Data, and AI is now the focus of attention, and of course Torishima strives day and night to solve our customers' problems and fulfill their on-site needs.

TR-COM (Rotating Equipment Monitoring System) Realizes Early Detection of Machine Malfunctions



"I don't know how to manage the pumps. It is complicated" "It's too late after it breaks down. If we could find out anything unusual as soon as possible, we could"

Torishima's TR-COM rotating machinery monitoring system was developed to solve such problems for our customers. This system enables monitoring of machine conditions with a single smartphone by simply attaching a small sensor. Its greatest strength is its ability to measure vibration frequencies up to 10,000 Hz.

This means that the vibration of a machine can be seen for 1/10,000th of a second, so to speak, and this high accuracy makes it possible to detect signs of failure before the machine breaks down, which has been conventionally difficult to do. However, it is quite difficult to do so without specialized knowledge. Torishima has many professionals in this field of diagnostic analysis, so we have earned a good reputation for our service that can even provide solutions, such as what is causing the abnormality and what can be done next time to prevent it.

We are now accumulating even more data and analyzing it using AI for realizing much better services. Torishima's innovations are changing the industry!

