

Environmental Measurement Business

Creating new value that contributes to solving social issues through cooperation with customers and partners

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Business Areas

The Environmental Measurement Business supports the resolution of social issues in the following three areas.

- (1) Strengthening the resilience of social infrastructure: providing equipment and systems that support facility monitoring, video surveillance, and network stabilization in markets such as roads, rivers, telecommunications, water supply, electric power, and financial services.
- (2) Improving industrial productivity through digitization: providing products and services that contribute to automation and productivity improvement in manufacturing and maintenance operations, including support for the introduction and operation of local 5G and various industrial measuring instruments.
- (3) Promoting carbon neutrality: Through Takasago, Ltd., which became a subsidiary in January 2022, as the core business, we provide test systems leveraged by energy control technologies required for evaluation of the performance and reliability of electric vehicles and batteries.

Market Environment and Business Opportunities

Labor shortages, more frequent and more severe natural disasters due to climate change, and aging facilities have become major issues impacting the social infrastructure that supports people's daily lives. Anritsu will continue to provide solutions that improve the efficiency of infrastructure maintenance management by leveraging IoT technologies as well as solutions that contribute to disaster prevention and mitigation.

In addition, efforts to promote digital transformation to improve productivity have been launched in all industrial sectors, and local 5G is increasingly being looked towards as a communications infrastructure for IoT and AI utilization. To meet these expectations, we will expand our local 5G installation and operation support services and propose process

digitization and data utilization with various industrial measuring instruments.

Furthermore, there is a noticeable trend among automobile makers in many countries to accelerate the shift to electric vehicles toward the realization of a carbon-neutral society. In addition, development toward electrification of construction machinery, agricultural machinery, ships, and motorcycles is gaining momentum. Anritsu is expanding its solutions to meet the demand for more efficient testing of the main components of the driving system in electric vehicles, such as batteries, inverters, and motors.

SDGs Undertaken by the Environmental Measurement Business

The Environmental Measurement Business aims to contribute to the realization of sustainable industry and society by leveraging the technologies and expertise we have cultivated in the fields of information, communication and measurement, and by promoting cooperation with our customers and partners. By supporting the introduction and utilization of local 5G, we will contribute to SDG Goal 9, "Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation". We will also need to build a carbon-neutral society with widespread use of electric vehicles in order to solve the issue of climate change. The test equipment provided by the Environmental Measurement Business supports research and development of electric vehicles with higher performance and energy efficiency and we contribute to SDG Goal 7, "Ensure access to affordable, reliable, sustainable and modern energy for all". Furthermore, we will continue to support safe, secure, and comfortable urban development through the provision of information and communication solutions required for the advancement of social infrastructure maintenance and management. This initiative contributes to SDG Goal 11, "Make cities and human settlements inclusive, safe, resilient and sustainable".

Examples of Environmental Measurement Business' Solutions

 Remote monitoring	 Video information	 Support for the introduction of local 5G	 Industrial measurement Form, heat, sound, vibration	 Electric vehicle powertrain emulation Battery charge/discharge testing Battery charge/discharge testing TAKASAGO, LTD.
 Bandwidth control	 Disaster prevention management			