

Special Feature: Growth Strategy for the IoT/5G Era



The emergence of IoT/5G is a social megatrend that will link all types of things to the network. Anritsu regards IoT/5G as its next growth driver, and through development of new business, Anritsu will accelerate its business development. Moreover, by supporting IoT/5G with cutting-edge technology, we will move toward realizing a prosperous society that is safe and secure.

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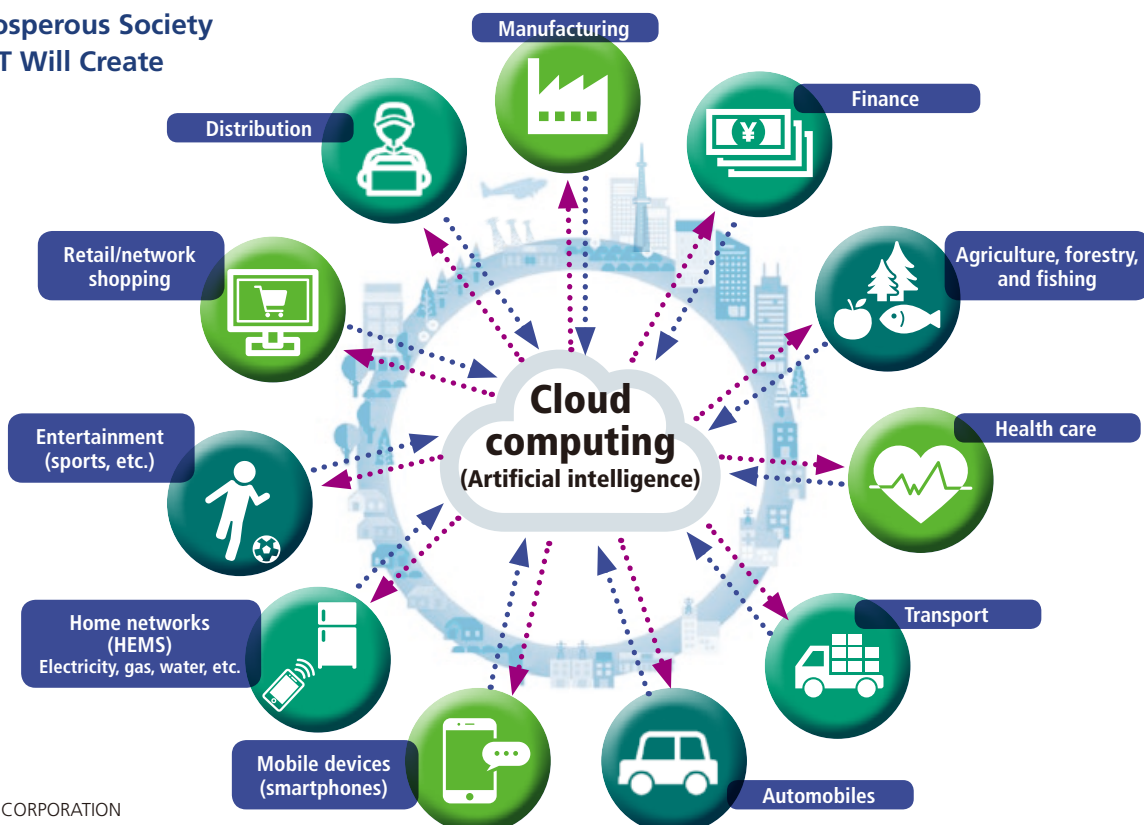
5G Supports IoT

Accompanying the progress in Information and Communication Technology (ICT), the IoT society where everything, including not only smartphones but also household appliances and automobiles will be connected to the Internet, is close at hand. That era is already just ahead of us now. Telecommunications systems are also already in sight of 5G (fifth generation) mobile communications systems. For example, under the policies of Japan's Ministry of Posts and Telecommunications, the shift to 5G is moving faster as the communications environment is being upgraded in time for the 2020 Olympic and Paralympic Games in Tokyo.

Under the 5G method, which will support the IoT, high-speed transmission of enormous volumes of data will become possible. Wireless communications will become much more sophisticated and faster. In addition, we will have to have more-sophisticated transmission of data not only in wireless communications but also in wireline communications for homes, offices, and elsewhere. The functions of both wireless and wireline communications can be enhanced to create networks that are optimal for IoT, and this will make it possible for all kinds of things to be connected to the Internet.

Anritsu has proven technologies for wireless communications and measuring technology developed over many years for wireline communications. Our technologies will be necessary and, indeed, indispensable for the fields of IoT/5G.

The Prosperous Society that IoT Will Create



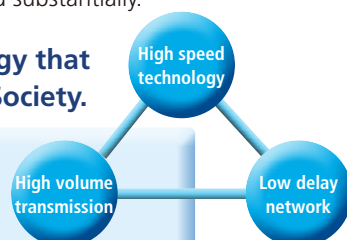
Our Evolving Business Model

5G transmission speed is 100 times faster than the current LTE method. Moreover, evolving to 5G means that transmissions will not break up even if a large number of people use the Internet all at once, and data response time will be 1/1,000 of a second. It is also believed that as IoT comes into wider use, the time for commercializing 5G will speed up, and, going forward, the business domains centered around communications will expand substantially.

5G Is a New Technology that Will Support the IoT Society.

Features of 5G

- Transmits 10 gigabits of data/second
- Connectivity with a million devices/km²
- Data response time is 1/1,000 second



If we take automated driving as an example, to prevent accidents and control automobiles smoothly, high-precision radar is needed. In January 2016, Anritsu launched sales of automotive radar measuring instruments that can detect objects down to several centimeters in intervals of milliseconds.

Moreover, IoT will find application not only in automobiles but also in situations ranging from our daily lives to medical treatment. The IoT will link all of our life scenes to the network

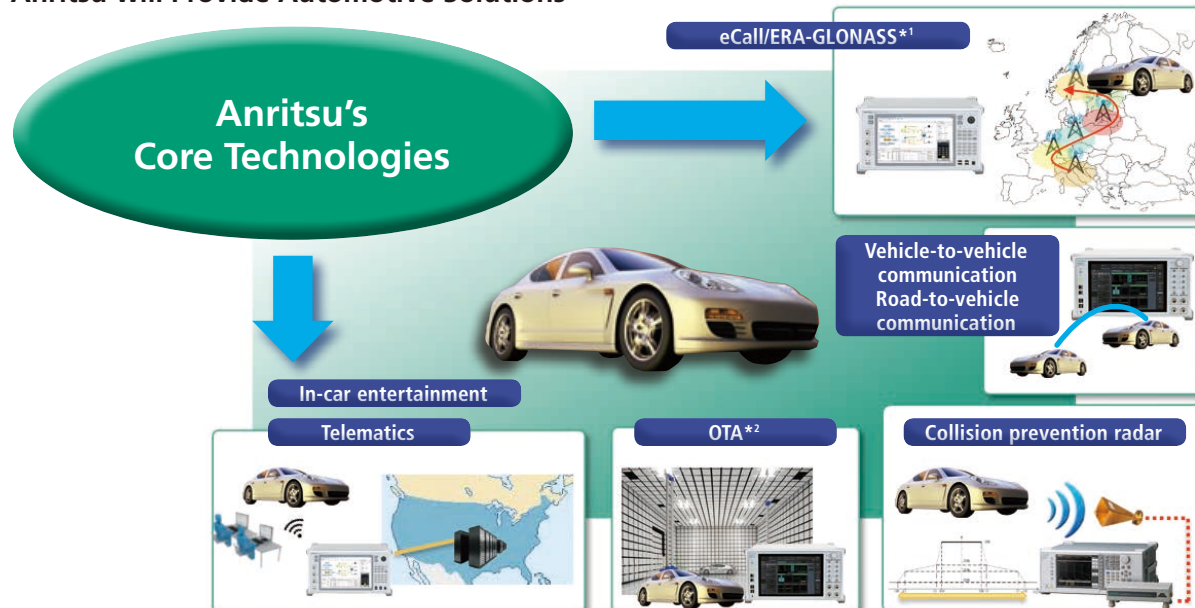
and even be a harbinger of social innovation. In the home network field, the IoT will make it possible to remotely exercise surveillance and control over a wide range of things in our homes. This will contribute to crime prevention and help to make possible pleasant living environments for seniors as well as lead to the creation of a prosperous society that is safe and secure. Moreover, in the medical field, IoT will make remotely conducted surgery a reality as transmission of high-resolution 8K images enables the performance of operations in locations remote from the surgeon and helps to save patients' lives. As the range of scenes where IoT can play a role increases at an accelerating pace, Anritsu will have a dramatically broader range of business opportunities.

Anritsu's Role in the Next-Generation Communications Environment

To seize the opportunities for dramatic leaps forward, Anritsu will work to develop new business activities with customers in a broad range of industries within the next-generation business environment.

Taking aim at the safe, secure, prosperous society that will be created by IoT/5G, Anritsu will work to contribute to the networks of the new era by applying the strengths it has developed in the cutting-edge domains and thereby contribute to lives of people.

Anritsu will Provide Automotive Solutions



*1 eCall/ERA-GLONASS: Name of an in-vehicle emergency call system in Europe and Russia

*2 OTA: Abbreviation for "Over the Air," meaning "via the wireless communication system"