



Operating Officer

**Jiro Sakamoto**

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## Specialists in Change due to Technological Innovations

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Founded in 1927, 2019 marks SANYO DENKI's 92nd year.

During this time, we have overcome several major economic fluctuations, and achieved steady growth through our original technologies and sound management while recognizing the changing times.

In 1927, Japan had just seen the change of eras from Taisho to Showa, and there were as yet no telephones or household appliances.

Later, after defeated in WW2, Japan rode a wave of high growth and, together with the development of electronics technology, experienced dramatic changes from lifestyle to business practices.

In the background of such lifestyle changes, new technological innovations are always present.

The biggest change in recent years must be the information innovations originating from the Internet.

The linking of computers resulted in the connection of people's knowledge and feelings all over the world. These information innovations led to technologies such as IoT, AI (artificial intelligence), and autonomous driving, and are now starting to change the world's various existing systems. Integrated with IoT and AI, robots today are expanding the range in which they can operate at their own decisions. Right now, we are at the beginning of the next paradigm shift.

SANYO DENKI supports these changes from the perspective of manufacturing (*monozukuri* in Japanese).

For example, lots of our Cooling Systems products are used to cool large data processing cloud servers to facilitate stable operation. These products are also used in non-cooling applications such as ventilation of highly-controlled plant factories and households.

Our Power Systems products support our information society by supplying power to mission-critical equipment that cannot afford to be cut off, and serve a major role in supporting lifelines in times of disaster.

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Our Servo Systems products support high-speed and accurate movement of robots and machine tools.

In the future, in light of the declining birthrate and labor shortage, robots will expand into medical and food markets too, widening the collaboration with humans.

Technological innovations occur in a chain reaction, generating new innovations one after another. A number of possibilities that humans could only imagine in the past are becoming a reality today. Moving forward, there is no doubt that AI will come up with solutions far beyond human comprehension.

Even if the essence of human beings remains the same, technology can help us unlock our potential. Who could have predicted our modern way of life in which things and people around the world can be easily connected? Just like people 92 years ago at the time of our company's founding could not imagine the world we live today, what the world will look like in 92 years from now will be beyond our imagination for sure.

This year 2019 is a "year of change" where Japan said farewell to the Heisei period and entered the Reiwa period. To date, SANYO DENKI has strived to stay ahead of the changing times and constantly developed new products as an industry leader offering people happiness.

This issue of Technical Report provides a glimpse at some of our continuous technological development in "Technical Developments in 2018," including IoT-enabled products and technologies that consider environmental durability and people's safety.

We at SANYO DENKI will view these changing times due to technological innovations as opportunities to seize, and continue to "specialize in change." Moreover, we will aim to become a top global brand by offering products and services with value to our customers around the world in real time.