

In fiscal 2019, under our new Mid-term Direction 2021, we positioned the telecommunications and automotive markets as our focus markets and strengthened our efforts to make these markets the pillars of our medium- to long-term earnings. In addition, in order to achieve one of the themes of our Mid-term Direction, "harmony among people, organization and society," we worked on creating the foundation for sustainable growth through our efforts to reduce water consumption at our plants and the implementation of measures against climate change.

Product-related news

Launch of worker safety monitoring systems utilizing sensor technologies and IoT
-Contributing to workers' health management by monitoring biological information and the working environment-



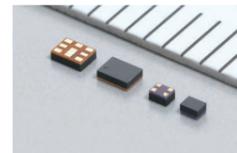
Development of solid-state battery with industry's highest energy density (secondary battery)

https://www.murata.com/en-global/products/info/batteries/solid_state/2019/0626



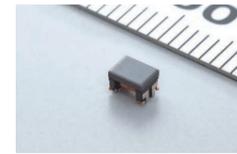
Development and commencement of volume production of world's smallest SAW duplexers, filters
-Contributing to denser circuit design and enhanced smartphone functionality-

https://www.murata.com/en-global/products/info/saw/saw_mobile/2019/0716



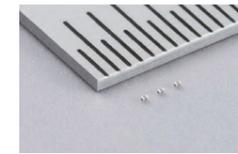
Commercialization of the world's first common mode choke coil for automotive ethernet that can withstand temperatures up to 150°C

<https://www.murata.com/en-global/products/info/emc/emifl/2019/1125>



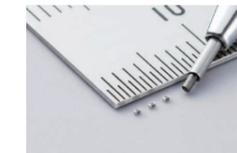
Development of the world's first multilayer ceramic capacitor to feature a maximum capacitance of 0.1µF in the world's smallest size (008004 inch size).

<https://www.murata.com/en-global/products/info/capacitor/mlcc/2019/1205>



Commencement of mass production of the world's smallest PTC thermistor in the 0201 inch size
-Contributing to improving the safety of multifunctional smartphones and small wearables-

<https://www.murata.com/en-global/products/info/thermistor/ptc/2020/0120>



Murata and Google team develop the world's smallest AI module with Coral intelligence

<https://www.murata.com/en-us/products/info/other/other/2020/0106>



April 2019

May

June

July

August

September

October

November

December

January 2020

February

March

Corporate news

Launch of class visitations to provide programming education to foster logical thinking in May 2019
-Education to experience programming "Move, teacher Robot"-

<https://corporate.murata.com/en-global/about/newsroom/news/company/csrtopic/2019/0417>

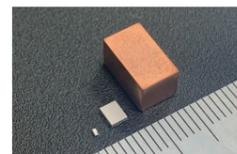
The lessons are aimed at helping children acquire the ability to think logically, ahead of the adoption of compulsory programming education in elementary curricula in the 2020 academic year.

Inclusion in the FTSE4Good Index Series and the FTSE Blossom Japan Index

<https://corporate.murata.com/en-global/about/newsroom/news/irnews/irnews/2019/0821>

Murata has been selected for inclusion in the FTSE4Good Index Series and the FTSE Blossom Japan Index, which are widely used for developing and assessing sustainable investment funds and other financial products and are globally recognized indexes for socially responsible investing (SRI).

The solid-state battery with industry's highest capacity (secondary battery) received the Minister of Economy, Trade and Industry Award at the CEATEC AWARD 2019.



Combining compact size and high energy density, the solid-state battery will deliver excellent performance even in harsh environments. The award has been given in expectation for contribution to the realization of an improved society through further miniaturization and improved reliability of wearable devices, which have been difficult to achieve to this point.

Opening of the Murata Innovation Museum, a training and education facility for employees of the Murata Group

<https://corporate.murata.com/en-global/about/newsroom/news/company/general/2019/1001>



Established to mark the 75th anniversary of Murata's foundation, the Murata Innovation Museum is a place for Group employees to learn about Murata's history, corporate philosophy, and values that we have carefully preserved since its foundation in order to facilitate employees' transition into their roles and the Murata culture of continuous innovation. The facility is a net-zero energy building (Net-ZEB).

Acquisition of MIRAISENS, a 3DHaptics Company
"Haptic Applications for Various Production Sectors"

<https://corporate.murata.com/en-global/about/newsroom/news/company/general/2019/1225>

The development of 3DHaptics technology based on "Illusionary Haptics," the world's first haptic technology established on a neuroscientific basis has been promoted in the entertainment sector, in which realistic gaming experiences are expected and the medical sector, which requires tactile feedback for patients during remote treatment.

Ranked as an A- Company by "CDP Water Security 2019"

<https://corporate.murata.com/en-global/about/newsroom/news/company/general/2020/0306>

We have been listed as an A- company in the CDP Water Security 2019 survey, which evaluates conservation efforts such as attempts to reduce the amount of water used at factories.

Prime Minister Prize awarded in 49th Japan Industrial Technology Awards. High-density, compact, oxide solid-state battery with industry's highest capacity (secondary battery)



The solid-state battery with the industry's highest capacity received the Prime Minister Prize, the highest award, in the 49th Japan Industrial Technology Awards. The award was given in recognition of the creativity and innovativeness of the solid-state battery and its contribution to the industry and society.

Announcement of change of President and Representative Director

<https://corporate.murata.com/-/media/corporate/about/newsroom/news/irnews/irnews/2020/0313/20200313-e.ashx?la=en&cvid=20200313060146000000>

The Company announced that Norio Nakajima was appointed as new President and Tsuneo Murata was appointed as Chairman of the Board in order to strengthen management foundations and enhance corporate value under a new management structure.

Installation of one of Japan's largest parking-lot-based mega solar systems (equivalent to parking lot for 1,200 cars) by Okayama Murata Manufacturing Co., Ltd.

<https://corporate.murata.com/en-global/about/newsroom/news/company/general/2020/0327>



We have used a company parking lot for 1,200 cars to install one of Japan's largest parking-lot-based mega solar systems, in order to promote the use of renewable energy through the installation of solar power generation equipment and to promote our efforts to take measures against climate change.