

One year at Murata

In fiscal 2020, under our Mid-term Direction 2021, we strengthened our efforts to make the telecommunication and automotive markets, our focus markets, the pillars of our medium- to long-term earnings, establishing a new research and development hub in Minatomirai, Yokohama.

In addition, in order to achieve one of the themes of our Mid-term Direction, “harmony among people, organization and society,” Murata has joined the global environmental initiative RE100 and strived to contribute a decarbonized society by advancing efforts for introduction of renewable energy and create the foundation for sustainable growth.

Product-related news

Start of mass production of FORTELION 24V Battery Module, which uses long-life lithium-ion batteries with a high level of safety, for industrial equipment

<https://www.murata.com/en-global/news/batteries/stbm/2020/0421>



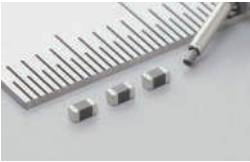
Development of 6-DOF XYZ-Axis MEMS inertial sensor —Enabling centimeter-level accuracy of ADAS functionality and automated driving systems—

<https://www.murata.com/en-global/news/sensor/gyro/2020/0528>



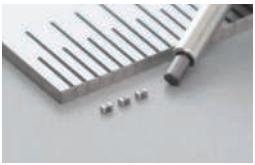
Introduction of the world's smallest ferrite chip beads for automotive power supply applications

<https://www.murata.com/en-global/news/emc/emifil/2020/0609>



Development of the world's first multilayer ceramic capacitor with a capacitance value of 1.0μF in the 01005 inch size

<https://www.murata.com/en-global/news/capacitor/ceramiccapacitor/2020/0630>



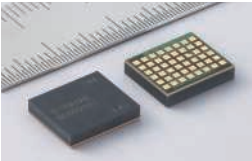
Development of the world's first haptics-generating middleware that enables the design of a realistic “behavior feeling” in an intuitive manner

<https://www.murata.com/ja-jp/news/other/other/2020/1015>
*Japanese site only



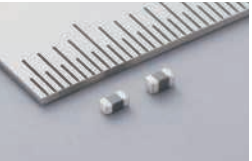
Introduction of the low-profile DC/DC converter that realizes the ultra-compact footprint and height of power-conversion circuitry

<https://www.murata.com/en-global/news/power/dcdc/2020/1029>



Introduction of the world's first chip ferrite beads suitable for automotive applications at temperatures up to 175°C

<https://www.murata.com/en-global/news/emc/emifil/2020/1202>



April 2020 May June July August September October November December January 2021 February March

Corporate news

Fabric with antimicrobial performance jointly innovated by Murata and Teijin Frontier —Establishment of a joint venture company to develop a plant-derived fabric that emits electricity, creating a better environment—

<https://corporate.murata.com/en-global/newsroom/news/company/general/2020/0604>

The two companies have jointly developed the world's first piezoelectric fabric “PIECLEX” that generates electrical energy and exhibits antimicrobial performance when a motion is applied. They established PIECLEX Co., Ltd. as a joint venture company to promote development, manufacturing and sales of piezoelectric fabric.



All-electric, light truck utilized by Izumo Murata Manufacturing, first Japanese company to deploy in its operation —Contributing to a reduction in greenhouse gases—

<https://corporate.murata.com/en-global/newsroom/news/company/general/2020/0805>

Izumo Murata Manufacturing Co. Ltd., in collaboration with Sankyu Inc. (Chuo Ward, Tokyo), a delivery partners for business location logistics, has become the first Japanese manufacturing company to introduce an all-electric light-duty truck, the FUSO eCANTER, developed by Mitsubishi Fuso Truck and Bus Corporation, contributing to reducing the environmental burden in the local communities.



The Murata Science Foundation's grant totaling a record 414 million yen for academic and cultural development

<https://corporate.murata.com/en-global/newsroom/news/company/general/2020/0713>
* Japanese site only

The foundation seeks to contribute to the development of Japanese science and culture through the awarding of grants to promote research in the areas of natural sciences, in particular electronics, in addition to humanities and social sciences. This year marks the 36th awarding of the grants.

Opening of “Mulaboli”, an experience facility for children to enjoy science

<https://corporate.murata.com/en-global/newsroom/news/company/general/2020/1005>

Established in Minatomirai, Yokohama in December 2020. Based on the concept of “a place where budding engineers are born,” the facility contributes to the development of STEAM education and culture under the theme of “science,” which is linked to Murata's business activities.



Opening of Minato MIRAI Innovation Center, largest R&D hub in Kanto region

<https://corporate.murata.com/en-global/newsroom/news/company/general/2020/1215>

Murata bolsters its design and planning capacities, as well as basic product research for new markets like energy, healthcare, and IoT, in addition to its core business in the communications and automobile markets.



Participation in global environmental initiative RE100 —Aiming for 100% renewable energy used in business operations by 2050—

<https://corporate.murata.com/en-global/newsroom/news/company/csrtopic/2020/1217>

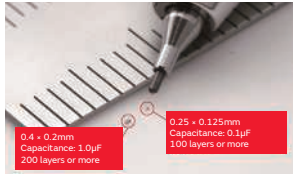
Murata expressed to contribute to the realization of a carbon-neutral society by engaging in various strategies, such as aiming to promote the use of renewable energy at its production subsidiaries in Japan and outside of Japan, in addition to such reductions of the environmental burden during the production process.



Winning Excellence Awards at 2020 Nikkei Superior Products and Services Awards for “GRM02” and “GRM01” series, small, large-capacity multilayer ceramic capacitors

<https://corporate.murata.com/en-global/newsroom/news/company/general/2021/0104>
* Japanese site only

The series of 01005 inch size (0.4 × 0.2mm), a maximum capacitance of 1.0μF, and 008004 inch size (0.25 × 0.125mm), a maximum capacitance of 0.1μF, multilayer ceramic capacitors were selected for Excellence Awards at the 2020 Nikkei Superior Products and Services Awards, which recognize outstanding new products and services.



Offer of contract employment to workers from JTB GAIAREC, INC.

<https://corporate.murata.com/en-global/newsroom/news/company/general/2021/0304>

Murata has offered contract employment opportunities to four loaned workers from JTB GAIAREC, INC., a company affected by the COVID-19 pandemic. By employing workers from a different industry, Murata hopes to gain awareness and insights beyond itself and its industry, taking this as an opportunity for further growth.

Start of a service that provides data from a traffic counter system mapping traffic volume in Indonesia in April 2021—Enhancing effectiveness of outdoor ads along roads—

<https://corporate.murata.com/en-global/newsroom/news/company/general/2021/0324>



We are working on boosting the digital information infrastructure in Southeast Asia through the provision of sensing data from a traffic counter system and contributing to the digital transformation.