

# One year at Murata

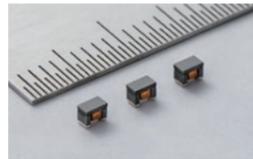
In fiscal 2021, as the final fiscal year of Medium-term Direction 2021, we strengthened our efforts to make the telecommunication and automotive markets, our focus markets, the pillars of our medium- to long-term earnings. For example, we acquired Eta Wireless Inc. and Resonant Inc. with the aim of obtaining new telecommunication technology, and we have developed new products such as capacitors and inductors for automotive applications.

In addition, in order to achieve one of the themes of our Medium-term Direction, "harmonization between people, organizations, and society," we have been working to meet the goals of RE100. As part of this effort, we have equipped Kanazu Murata Manufacturing Co., Ltd. (Fukui Prefecture) to operate on 100% renewable energy.

## Product-related news

Commercialization of the world's smallest\* broadband inductors for in-vehicle PoC systems

<https://www.murata.com/en-global/news/inductor/power/2021/0422>



Commercialization of the world's smallest\* PTC thermistors for overheat sensing

—Contributing to even higher density mounting and smaller size of mobile devices—  
<https://www.murata.com/en-global/news/thermistor/ptc/2021/0427>



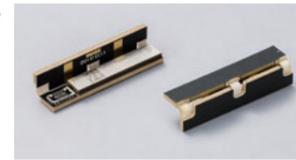
Development of the world's smallest\* UWB modules with acceleration sensors and Bluetooth® Low Energy

—Incorporating ICs from Qorvo and Nordic to help realize smart cities, smart factories, etc.—  
<https://www.murata.com/en-global/news/connectivitymodule/ultra-wide-band/2021/0830>



Commercialization of a space-saving antenna array integrated module for mmWave 5G that can emit radio waves in two directions

—Contributing to stable communication, compact size, and lower cost of 5G compatible devices—  
<https://www.murata.com/en-global/news/connectivitymodule/mmwave-rf/2021/1013>



Development of the world's smallest\* UWB module incorporating NXP Trimension

—Contributing to accurate position detection in IoT devices—  
<https://www.murata.com/en-global/news/connectivitymodule/ultra-wide-band/2021/1105>



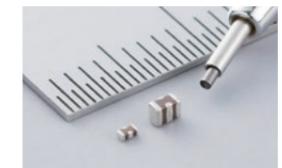
Joint development with Michelin of highly durable RFID modules that are capable of stable communications even inside tires

—Start of installation in Michelin products; to be used in passenger car tires from 2024—  
<https://www.murata.com/en-global/news/rfid/rfid/2021/1213>



Commercialization of the industry-leading\* 4.3 μF capacitance three-terminal MLCC in 0402 inch size for automotive applications

<https://www.murata.com/en-global/news/capacitor/ceramiccapacitor/2022/0224>



\* At the time of the announcement, based on the Company's research.

## April 2021 | May | June | July | August | September | October | November | December | January 2022 | February | March

## Corporate news

Opening of Murata Mirai Mobility, an exhibition facility for automotive products, and Murata Interactive Communication Space, a facility to promote knowledge collaboration

<https://corporate.murata.com/en-global/newsroom/news/company/general/2021/0520>

By strengthening our proposal capabilities in the in-vehicle system market and creating new business, we aim to offer industry-leading innovative products and technology.



Acquisition of Eta Wireless Inc., the developer of Digital Envelope Tracking Technology that can dramatically reduce the power consumption of RF circuits

—Contributing to extended battery life in 5G devices and other wireless devices—  
<https://corporate.murata.com/en-global/newsroom/news/company/general/2021/0903>

Launch of AIRSual, a space visualization solution that helps to avoid "Three C's (closed spaces, crowded places, close-contact settings)" by promoting adequate ventilation based on predictions of CO<sub>2</sub> concentration

<https://www.murata.com/ja-jp/news/other/other/2021/0524> (in Japanese)

CO<sub>2</sub> concentration and other environmental information about the space is measured using sensors. This information is then displayed visually on a screen on a smartphone, PC or tablet to encourage appropriate ventilation.



**AIRsual**

Murata selected for CDP's climate change A list for 1st time

<https://corporate.murata.com/en-global/newsroom/news/company/csrtopic/2021/1208>

Murata has made the climate change A List compiled by CDP, a global environmental non-profit organization, for the first time. This evaluation is given to companies that are leading the world in setting targets, taking initiatives, and disclosing information on their climate change countermeasures.



Kanazu Murata Manufacturing's plant set to operate on 100 percent renewable energy

—Reducing the load on social infrastructure by deploying the largest storage battery system in the Hokuriku region—

<https://corporate.murata.com/en-global/newsroom/news/company/csrtopic/2021/1012>



Entered into contract with Chugoku Electric to procure green energy and more

—Renewable energy to constitute 50% of power at production sites in the Chugoku region by fiscal 2030—  
<https://corporate.murata.com/en-global/newsroom/news/company/csrtopic/2022/0331>

Thanks to this agreement, all Murata Manufacturing production sites in the Chugoku region will be operating on 50% renewable energy by fiscal 2030, which will help to meet the goals of the RE100 global environmental initiative.

Acquisition of Resonant Inc. with its proprietary XBAR technology, the filter design know-how that can handle 5G

<https://corporate.murata.com/en-global/newsroom/news/company/general/2022/0329>

Acquisition of SBT certification for greenhouse gas reduction targets

<https://corporate.murata.com/en-global/newsroom/news/company/csrtopic/2022/0120>

Murata has received SBT certification under the international initiative SBTi (Science Based Targets Initiative) for having formulated science-based targets for reducing greenhouse gas (GHG) emissions by fiscal 2030 in conformance with the Paris Agreement.

