Acceleration of New Product Development for IoT Era

MinebeaMitsumi is further strengthening its development capabilities as a result of the business integration.

In new strategic areas, we will launch into the world new products and innovative solutions that incorporate cutting-edge technology.

Major products

Sensors Actuators Connectivity Lighting equipment New product trio

(SALIOT, bed sensor systems and smart city solutions)

Seven Spears

Rearings

Motors

Connectors/switches

Power supply components

Wireless/communications/
software

Analog semiconductors



Core technologies

Ultra-precision machining technology

Mass production technology

Sensor technology (load, pressure, etc.)

Optical technology

MEMS technology

High frequency technology

Electrical circuit technology

Semiconductor design technology





Sensors

These include the world's smallest strain gauge MINEGE™, as well as products for sensing a variety of data, such as air pressure, temperature, humidity and airflow.

We can provide one-module solutions that include analogue-digital converter ICs developed in parallel for the purpose of outputting the acquired data.





Actuators

We have created a full lineup of small-sized actuators that can implement a variety of sensing modes (such as vibration) in addition to existing small-sized motors.

We are expanding the range of applications into various areas, such as mobile devices, automotive products, wearable devices and other next-generation intelligent terminal devices.

New products

Connectivity

In addition to next-generation connector products such as FAKRA, primarily for high-speed transmission (automotive) applications, we also offer modules to handle all kinds of wireless communications, including Wi-Fi and Bluetooth





Lighting equipment

We will expand the frontiers of basic technology to support the next generation of lighting, combining elements such as ultra-thin optical lenses and motors, power supply components and wireless modules to create products like smart LED lighting that can be easily operated by a smartphone, or high-efficiency LED street lights that can be adjusted wirelessly.

New product trio 111

Within new products, we are pushing forward rapidly with the commercialization of the new product trio of SALIOT smart LED lighting, bed sensor systems and smart city solutions, through which we are contributing to smart working, energy saving and other initiatives.

We will work to expand these businesses and target global markets to create a new pillar of profitability.



Lighting equipment

SALIOT

We have been selling the smart LED lighting SALIOT (Smart Adjustable Light for the Internet Of Things) since 2015. SALIOT has a beautiful, spectrally even quality of light that has been achieved by arranging several optical elements to carve a fine prism pattern using an ultra-thin lens that was developed using our optical technology for LED backlight products used in smartphones. In addition, because SALIOT incorporates a motor, power supply components and wireless communication, a smartphone or similar device can be used to adjust vertical/horizontal positioning, angle of light distribution, brightness, and even color temperature. Now with an enhanced lineup that includes a model with inbuilt tracking sensor, SALIOT contributes to allowing complete freedom in lighting spaces, and reducing the burden of working in high places, etc.



- Extensive track record in art museums, galleries, hotels and department stores both in Japan and overseas
- Working on initiatives to expand sales worldwide, such as in Thailand, Cambodia, Europe, the US, and China
- Broadening the lineup with tracking models, etc.



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Sensors

Bed sensor systems

- Started sales aimed at care facilities, in cooperation with Ricoh Co., Ltd., in July 2018
- Expansion of sales overseas also being considered
- Expect expansion into home care field going forward
- Working on development of new products by combining with MINEGE™





Sensors/lighting equipment Smart city solutions

- Started billing business in Cambodia
- Plan to start external sales in fall 2018
- Strengthening global marketing (Thailand, Cambodia, the Philippines, Slovakia, as well as various cities within Japan, etc.)



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