

## Press Information

### KYOCERA Group to Exhibit Innovative Technologies and Products at CEATEC 2019 Tradeshow Oct. 15-18

Based on the concept of “Building a Future Beyond Our Imagination with IoT,” a wide range of the latest Kyocera technologies will be on display

Kyoto/London, October 4<sup>th</sup>, 2019. Kyocera Group will exhibit at “[CEATEC 2019](#)”, one of the Asia's largest tradeshows for cutting-edge IT and electronics, from October 15-18 at the [Makuhari Messe International Convention Complex](#) (Chiba Prefecture, Japan).

Based on the booth concept of “Building a Future Beyond Our Imagination with IoT,” the Kyocera Group’s latest technologies and products for creating a safe, secure, and comfortable society through IoT will be displayed in 5 zones – Mobility, Open Innovation, Networks, Energy, and Human Well-Being, – with entertaining interactive demonstrations for select technologies.

On the main Kyocera booth stage, the company will also give short presentations on its efforts toward open innovation, as well as examples of its advanced technologies and applications that are essential for the expansion of an IoT society.



### Outline & highlights of Kyocera booth

Dates	October 15 (Tue) - 18 (Fri) (10:00-17:00) *Plan to participate in media briefing on October 14 (Mon) (14:00-17:00)
Location	Makuhari Messe (Chiba Pref., Japan), Hall 7, Booth #H020

### Mobility

In this section, Kyocera will introduce its advanced technology and products aimed at supporting the development of autonomous driving systems and the realization of a safe and comfortable mobility society. Visitors can try out interactive demonstrations for a **camera-LIDAR fused sensor** capable of detecting the distance to an object with high accuracy, and an **AI object recognition camera** which can identify pedestrians and vehicles with high accuracy. In addition, a **3D-AR head-up display** which supports driver safety and comfort with a realistic 3D display, a **smart RSU (V2I roadside unit)** which collects information from surrounding areas to help facilitate safe traffic flow, and a **far infrared radiation (FIR) sensing camera** which enables obstacle detection even in difficult visual conditions, such as glare or darkness, will also be on display. Furthermore, a **1.8 inch micro LED display** with superior visual performance to LCD and OLED will be made public for the first time.

### Open Innovation

In addition to its wide range of global manufacturing and solutions businesses, from advanced materials and components to modules, devices, equipment, and systems, Kyocera is strengthening open innovation by combining internal technologies and resources with those from external partners. In the open innovation section, visitors can see the **musical toothbrush “Possi”**, jointly created with Lion Corporation and Sony Corporation, which aims at helping parents with their children’s tooth brushing, and a **communication and vital sensing wearable device** that is being tested at construction sites of Shimizu Corporation. This innovative device facilitates seamless wireless communication even in noisy environments and vital sensing monitoring for the prevention of industrial accidents and health management. Furthermore, a smoothie truck **“Harvest-to-Go”** developed using Kyocera’s environment energy products and IoT technology in collaboration with the vegetable farm “Planet” and the popular smoothie shop “Why Juice?” will also be on display.

### Networks

This section will feature Kyocera’s IoT network technology supporting a convenient and prosperous society. An **IoT solution framework** which allows users to easily obtain necessary information without additional programming will be unveiled for the first time. Also, a **GPS multiunit compatible with LPWA** which is expected to be used in a wide range of fields such as logistics monitoring, theft detection, and air conditioning management, and a **NB-IoT core device** smaller than the size of an AAA battery that can be incorporated into various devices and



personal items, will also be on display. Furthermore, this section includes applications for Kyocera Communication Systems Co., Ltd's "**Sigfox**" **IoT network solution** featuring a low cost, low power consumption network and long distance transmission capabilities. For 5G, Kyocera will showcase sample applications of its 5G connection device.

### **Energy**

Realizing a low carbon society for the future is a critical issue on a global scale. In addition to Kyocera's **solar cells, storage batteries, fuel cells, and energy management solutions**, the booth will also present Kyocera's solutions for the future energy optimization through local power exchange.

### **Human Well-Being**

Advanced technologies play an important role in realizing a comfortable world for everyone. This section includes healthcare sensing devices that support preventive medicine for an aging society and devices that are useful for analysis at medical and manufacturing sites. A **carbohydrate monitoring system** using a sensor to measure pulse wave will be unveiled for the first time. In addition, a **portable type phase contrast digital microscope** that can observe hair (surface and internal structure) and a **fluid flow rate measuring module** will also be displayed.



For more information on Kyocera: [www.kyocera.co.uk](http://www.kyocera.co.uk)

## About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 286 subsidiaries (as of March 31, 2019), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the most experienced producers of solar energy systems worldwide, with more than 40 years of know-how in the industry.

The company is ranked #655 on Forbes magazine's 2019 "Global 2000" listing of the world's largest publicly traded companies. With a global workforce of over 77,000 employees, Kyocera posted net sales of approximately €12,99 million in fiscal year 2018/2019. The products marketed by the company in Europe include printers, digital copying systems, semiconductor-, fine ceramic-, automotive- and electronic components as well as printing devices and kitchen products. The Kyocera Group has two independent companies in the United Kingdom: Kyocera Fineceramics Ltd. and Kyocera Document Solutions.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at approximately €818,000 per prize category).

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