Uhuru Places Exhibit at CES 2019 Personal alarm device with GPS using cellular LPWA technology and solar cells

Uhuru Corporation will be placing an exhibit at CES 2019, the world's largest tradeshow for consumer electronics to be held in Las Vegas, Nevada, U.S.

MINATO-KU, TOKYO, JAPAN, January 8, 2019 /EINPresswire.com/ -- Uhuru Corporation ("Uhuru", headquarters: Minato-ku, Tokyo, President & CEO: Takashi Sonoda) will be placing an exhibit at CES 2019, the world's largest tradeshow for consumer electronics to be held in Las Vegas, Nevada, U.S., from January 8 (Tue) to 11 (Fri), 2019.

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The development of industrial IoT*1 in recent years has led to the rapid increase in the demand for IoT devices to be used in all kinds of areas including factories, logistics and healthcare. The number of IoT devices is estimated to reach approximately 30 billion by 2020; a possible twofold increase compared to the current number*2. Power-saving communication methods such as LPWA*3 have become widespread. Smart cities*4 and the logistics industry are expecting IoT devices that continue to function for a long time without power supply in order to satisfy the need to sense all moving people and things such as pallets,

Solarmori: Personal alarm and monitoring device

Solamori

cargo, various kinds of vehicles and workers. Securing power supply for IoT sensors has been one of the biggest challenges for industrial IoT operators. The amount of cost for replacing the vast number of batteries to new ones and handling waste have also been standing in the way of the diffusion of IoT devices.

Uhuru's core business is IoT. Through provision of enebular, the IoT Orchestration Service*5 that allows unified development and management of edge devices and the cloud, we have accumulated a wide range of knowhow for IoT solution and business development. In preparation for the upcoming era of 5G, Uhuru has entered into capital and business partnership with SoftBank Corp. in July 2018 and quickly began working on research and development of cellular LPWA*6, a technology that enables wide-area coverage and is expected to make global implementation easier. As an outcome of the development effort, "Solarmori", a personal alarm device using cellular LPWA and solar cells for energy harvesting*7 will be on exhibit at the Consumer Electronics Show 2019 (CES®□2019), the world's largest tradeshow for consumer electronics to be held in Las Vegas, Nevada, U.S., from January 8 (Tue) to 11 (Fri), 2019.

<Main Exhibit>
Solarmori: Personal alarm and monitoring device
Image#1

Solarmori is a personal alarm device that relieves parents' worries about elementary school-age children's safety on their way home. Communication by sending stamps will not only allow each other to feel secure but to make more communication happen at home.
Image#2

Please see the product website for further details. https://solarmori.com

□CES 2019□
Period: January 8 (Tue) – 11 (Fri), 2019
Venue: Las Vegas Convention Center
Uhuru's booth: CES2019 SANDS EXPO 1F Eureka Park No. 51653
Uhuru unit at Japan Tech Project
Official website: http://www.ces.tech/

CES stands for "INTERNATIONAL Consumer Electronics Show". Owned and produced by the Consumer Technology Association (CTA), it is the world's largest international tradeshow for consumer electronics held in Las Vegas, Nevada in January every year. In 2018, 4,000 companies set up exhibits and 184,000 people participated. For more than 50 years since the first Show in 1967, it has attracted attention by serving as a ground where the world's business leaders and innovative technologies meet. The Show is solely for trade and is not open to the general public.

Concentrating the accumulated knowledge about IoT, Uhuru's team of experts in consulting, engineering and creatives will work on business development. Uhuru will carry on development of solutions taking advantage of enebular, which offers one-stop access to easier development of an otherwise complex IoT system, PoC*8 and actual business with scalability.

*1 Internet of Things (IoT) connects all kinds of things and processes and generates values. IoT applied to industrial fields such as manufacturing, logistics and energy is called Industrial IoT (IIoT) and is a focal technology of the Fourth Industrial Revolution.
*2 Source: WHITE PAPER Information and Communications in Japan, fiscal year 2017, Ministry of Internal Affairs and Communication
*3 Stands for Low Power Wide Area, which is a communication method that enables long distance communication with low electricity consumption. Services that use unlicensed bands (e.g. LoRaWAN, SIGFOX) and those using licensed bands (e.g. LTEC Cat.M1 and NB-IoT, which are called cellular LPWA) are both made available. The WHITE PAPER Information and Communications in Japan 2017 estimates that in 2020, 28% of the 31 billion M2M connected devices will be utilizing LPWA.
*4 Source: Interim Report by the City Bureau, Ministry of Land, Infrastructure, Transport and Tourism, on the realization of smart cities: "Sustainable cities or districts that could be organized in terms of planning, conditions, management and operation for total optimization through the utilization of new technologies including ICT, to solve various issues that cities face"
*5 A form of operating 'autonomous distributed IoT' in which edge devices and the cloud collaborate by transparent deployment and operation management of the three tiers: cloud, gateways and devices.
*6 A standard made by modifying LTE features to suit IoT usage. Low power wide area (LPWA) technology that can be used at almost any site. Devices can be connected to legacy mobile networks in simple ways and more efficiently. Data processing in extremely low frequency and volume can be done in a safe and secure manner.
*7 Energy harvesting is a technology for gathering and utilizing tiny bits of environmental energy such as light, vibration and heat that surround us and are being wasted. Energy harvesting relieves us of worrying about battery life and replacing batteries with new ones, making it easier to remotely keep track of the status of things by using numerous wireless sensors.
*8 Stands for Proof of Concept. To practice (or do an overview of) a new concept or idea in a simple and imperfect way to see its feasibility, or to prove that a concept or theory is up for practical use by demonstrating its principle.

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