

PRESS RELEASE

STMicroelectronics collaborates with EVEON for the new generation of medical devices

- *EVEON designs a new generation medical device that allows for simple, automated and safe preparation of treatments for health professionals and the patients.*
- *The electronic system is developed by EVEON using key components supplied by ST.*

Grenoble (France), 17th June 2016 – STMicroelectronics Grenoble, a world leader whose customers cover the full range of electronic applications and EVEON, designer and manufacturer of smart medical devices for the preparation and administration of biologic drugs, have signed a partnership agreement aimed at supplying components to be used in new generation medical devices developed by EVEON that will respond to the growing demand for injectable biological treatments¹.

EVEON offers innovative medical devices for the **automated and safe preparation and administration** of new fluidic therapies and biologic drugs. Using its unique technological platform Intuity®, the preparation of biologics, often unstable, is facilitated by allowing the reconstitution of a drug between a powder vial and a solvent in a way that guarantees the homogeneity of the solution without handling or direct contact with the product. The liquid preparation is then administered with a ready-to-use syringe, vial/cartridge or auto-injector.

The electronics of the technological platform Intuity® is mainly based on ST components, including in particular:

- advanced ultra-low-power microcontrollers that control the process reconstitution of the drug based on parameters identified by the practitioner, thanks to the computing power of the STM32F4 series based on the ARM® Cortex®-M4 ;
- a L6482 motor control to drive mixing of the fluid;
- a fully-integrated low-power wireless Bluetooth communication module SPBTLE_RF to transmit data and ensure the patient and treatment are monitored.

By reducing the number of components and steps for the patient, the drug can be injected by the healthcare professionals in medical or hospital environments, or even at home by the patient himself. This dual approach has a number of benefits, including the opportunity for the patient to remain at home for better patient follow-up and compliance.

¹ *Due to stability issues, biological treatments are formulated in the lyophilized form or dry powders. Unlike conventional drugs that are made by chemical processes, biologics are issued from living cells. These treatments, which are showing very strong growth, are being used to treat cancers, autoimmune and a number of other chronic diseases.*

Today, the drug market is experiencing strong growth in the field of biologics that require preparation prior to administration.

"EVEON is working closely with pharmaceutical laboratories on the medium and long-term development stages. To go along with our significant growth, we wanted to establish a partnership with ST as a supplier of electronic components to help us meet the market demand for medical devices. It is essential for us to work closely with a reliable partner with its own production facility, located close to us and who can guarantee quality products for the long-term." said Vincent Tempelaere, CEO, EVEON.

"The contribution by ST to the Intuity® platform shows the diversity of the solutions brought by ST for the new generation electronic devices that can improve the quality of medical assistance offered to both patients and healthcare professionals. This partnership highlights the ability of ST to become a global supplier of electronic systems for key applications in the medical sector, in particular for equipment available at the point of care." said Patrick Dureault, President and Director of the STMicroelectronics Grenoble's site.

About EVEON

Created in 2009, EVEON specializes in smart medical devices for the safe and automatic preparation and administration of new fluid therapies and biologic drugs. The medical devices developed ensure that the administered treatment is controlled, precise and constant, and are a guarantee of comfort and efficacy for patients and health professionals, at home or in medical and hospital environments.

Thanks to Intuity®, a unique technological platform, EVEON offers several types of medical device solutions, depending on their use. Protected by 13 groups of patents, EVEON's medical devices are tailor-made for its customers.

EVEON is ISO 13485 and ISO 9001-certified and has received multiple awards, including 1st prize at the RTS/France 3 "*Inventer Demain*" (Invent tomorrow) international competition obtained in December 2014, and 2nd prize from the "*Alliance pour le Génie Biologique et Médical*" (Alliance for Engineering in Biology and Medicine) in July 2015 and the Pharmapack Europe Best Innovation Exhibitor Award in the Convenience and Ease of Use category in February 2016.

Further information can be found at www.eveon.eu

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About STMicroelectronics

ST is a global semiconductor leader delivering intelligent and energy-efficient products and solutions that power the electronics at the heart of everyday life. ST's products are found everywhere today, and together with our customers, we are enabling smarter driving and smarter factories, cities and homes, along with the next generation of mobile and Internet of Things devices. By getting more from technology to get more from life, ST stands for life.augmented.

In 2015, the Company's net revenues were \$6.90 billion, serving more than 100,000 customers worldwide.

Further information can be found at www.st.com.

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