STMicroelectronics and Preventice Partner to Deliver Real-World Remote Monitoring that Brings Clinical Support to Patients at Home

Companies cooperate in development of BodyGuardian Remote Monitoring System

STMicroelectronics [1] (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, and Preventice [2]TM, a leading developer of mobile health solutions and remote monitoring systems, announced today that ST is providing wearable body sensor technologies to power the new BodyGuardian Remote Monitoring System (RMS)TM from Preventice. Preventice recently announced [3] its receipt of 510(k) clearance from the U.S. Food and Drug Administration (FDA) for the BodyGuardian RMS, allowing Preventice to market and sell BodyGuardian to hospitals and clinics for use in detecting and monitoring non-lethal cardiac arrhythmias [4] for ambulatory patients.

ST, one of the world's largest semiconductor companies serving all sectors of the electronics industry, has made a strong commitment to expanding its expertise and innovation in sensor technology to health care and other industries.

"A key goal for ST is to enable our customers to quickly develop solutions that contribute to people enjoying a better quality of life; ST makes that possible through our unique ability to provide the complete breadth of products and technologies required for their applications," said Benedetto Vigna, Executive Vice President and General Manager Analog, MEMS and Sensors Group, STMicroelectronics. "The clearance from the FDA of the Preventice BodyGuardian System clearly demonstrates our expertise in helping customers develop medical-grade electronics for demanding markets."

The BodyGuardian RMS uses clinical algorithms that were developed by doctors at Mayo Clinic to support remote monitoring of individuals with cardiac arrhythmias. The BodyGuardian System will allow physicians to monitor key biometrics outside of the clinical setting, while patients go about their daily lives, by providing a continuous connection between the patient and their physicians.

According to Preventice, this connection is made possible by a small body-worn sensor that is attached to the patient's chest. This sensor collects important data, including the patient's ECG, heart rate, respiration rate, and activity level and transmits that data to physicians via mobile-phone technology, enabling doctors to monitor patients from their iPad or desktop. The wearable body sensor in the BodyGuardian RMS is enabled by ST hardware and software technology that includes sophisticated MEMS, low-power STM32 microcontrollers, and analog components combined with advanced ST-proprietary algorithms.

"ST is a pioneer and leader in the sensor industry and working with them allows us

to bring the high-end, clinical monitoring technology developed by Mayo Clinic and Preventice to a broader base of patients," said Jon Otterstatter, co-founder, president and CEO of Preventice. "Our goal at Preventice is to bring sophisticated remote patient monitoring to patients where they live, work and play—creating an environment of continuous care for patients with cardiac arrhythmias and a variety of other chronic conditions."

The potential for remote patient monitoring to reduce patient costs and influence care delivery is contributing to rapid growth in the use of wireless monitoring, which is expected to continue in the coming years. In fact, recent research from Kalorama [5] shows that the U.S. market for advanced patient monitoring systems has grown from $3.9 billion in 2007, to $8.9 billion in 2011. The market is expected to reach $20.9 billion by 2016, according to this same study.

About STMicroelectronics

ST is a global leader in the semiconductor market serving customers across the spectrum of sense and power technologies and multimedia convergence applications. From energy management and savings to trust and data security, from healthcare and wellness to smart consumer devices, in the home, car and office, at work and at play, ST is found everywhere microelectronics make a positive and innovative contribution to people's life. By getting more from technology to get more from life, ST stands for life.augmented.

In 2011, the Company's net revenues were $9.73 billion. Further information on ST can be found at www.st.com [6].

About Preventice

Preventice, a leading developer of mobile health solutions and remote monitoring systems, aims to engage patients with their care plans and close the patient engagement gap--the half trillion dollar cost created by patients failing to follow individual care plans. Technology from Preventice creates a continuous connection and exchange of data between health care providers, life science companies and patients. Current applications from Preventice address high-cost and chronic conditions and health management opportunities, including prescription medication management, cardiac care, sleep apnea, diabetes management, and migraine headaches. Preventice is headquartered in Minneapolis, with offices in Rochester, Minn., and Fargo, N.D. For more information, visit www.preventice.com [7].

About BodyGuardian

The BodyGuardian Remote Monitoring System (RMS) is a cutting edge approach to remote patient monitoring that allows physicians to monitor important biometric data outside the clinical setting, while patients go about their daily lives. Preventice has licensed the remote monitoring algorithms for the BodyGuardian Remote Monitoring System from Mayo Clinic and leveraged STMicroelectronics strong IP portfolio for the sensor. The BodyGuardian System detects, records and wirelessly transmits physiological data to the Preventice Care Platform, a secure, cloud-based mHealth platform.

The BodyGuardian wearable sensor adheres to the patient's skin and is much

smaller than a cell phone, giving patients complete mobility and freedom go about their normal lives without restriction. Physicians and medical professionals can securely view the captured medical information anytime, any place on devices such as the iPad®, or online.

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Links:
[1] http://www.st.com/internet/com/home/home.jsp
[2] http://www.preventice.com/
[3] http://www.preventice.com/news/press-releases/bid/217929/Preventice-receives-FDA-clearance-to-market-BodyGuardian-Remote-Monitoring-System
[4] http://www.mayoclinic.com/health/heart-arrhythmias/DS00290
[5] http://www.informationweek.com/healthcare/mobile-wireless/remote-patient-monitoring-market-to-doub/240004291
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