

World's First Medical Grade Wristband powered by CALERA® Core Body Temperature Sensor for continuous monitoring of cardio-respiratory function

June 07, 2022 Source: Corsano Health BV; greenTEG AG

ZURICH, Switzerland, June 07, 2022 - greenTEG (Zurich, Switzerland) today announced its partnership with Corsano Health (The Hague, The Netherlands) to integrate greenTEG's proprietary [CALERA® core body temperature sensor solution](#) for continuous and non-invasive core body temperature measurement into Corsano's [Cardiowatch 287 Bracelet](#) for continuous in-hospital and remote patient monitoring of cardio-respiratory function.

Through this partnership, the Cardiowatch 287 Bracelet will be the world's first multi-sensor medically certified wristband to measure and assess core body temperature alongside with a continuous cardiac monitoring from the surface of the wrist.

Why Core Body Temperature?

Core body temperature refers to the temperature of the body's organs. It fluctuates with physiological processes, such as illness or physical activity, and is a key parameter for determining an individual's health status. The body often tries to fight off infection by raising its core body temperature and, therefore, can provide insight into health-related problems prior to or alongside the appearance of other symptoms. Accurately monitoring the core body temperature of patients in combination with pulse rate and photoplethysmography (PPG), is critical to identify health issues in patients at an early stage for simpler and timely interventions, monitor ill patients in hospitals or freely at home.

Currently, other wearable devices in the market try to infer core body temperature via skin surface temperature measurements; however, due to the complexity of thermoregulation and environmental conditions, the estimates are inaccurate compared to what can be achieved through the integration of the CALERA® solution in Corsano's wristband with its proprietary solution for continuous patient and In-Hospital monitoring.

"Our deep and friendly collaboration realized Cardiowatch 287, a validated medical grade, multi-sensor, convenient bracelet for continuous monitoring of cardio-respiratory function, an important and revolutionary solution that will help save lives!" said Corsano's CEO, Peter Stas.

"We are proud to partner with Corsano to develop the next generation of remote and non-invasive patient monitoring wearables. This is truly an innovative product which sets new standards not only in terms of measuring Core Body Temperature, but also regarding the suite of other vital parameters the bracelet can track" concludes Dr. Holger Hendrichs, VP Sales at greenTEG.

This ground-breaking partnership between Corsano and greenTEG will enable medical professionals to gain earlier and deeper insights into cardio-respiratory health conditions. It will provide clinicians with a direct access to accurate and reliable vital signs data they need during telehealth appointments and while providing a seamless transition from hospital to home with a continuous data acquisition to the treating physician. The device is currently going through the CE-MDR certification process and is planned to be released to the EU market towards the end of 2022. FDA 510K is expected early 2023.



About Corsano:

Corsano Health, based in The Netherlands with offices in Switzerland, is a leading wearable MedTech company developing, producing and marketing medical smart monitoring devices designed to measure vital parameters 24/7 using wireless, non-invasive, and medical-grade technology. Corsano Health is medically certified complying with Annex IX (MDR) and EN-ISO 13485 standards. The Corsano brand name is derived from *in corpore sano* (in a healthy body). Corsano's Cardiowatch 287 is a cardiac arrhythmia screening system that provides a simple and effective method for continuous monitoring of up to 19 vital parameter measurements (i.e., Heart Rate, RR Intervals, Respiration Rate, Sleep, Activity, Core Body Temperature).

More information at <http://www.corsano.com>



About greenTEG AG / CALERA®:

greenTEG AG was founded in 2009 as a spin-off of the Swiss Federal Institute of Technology (ETH). The company develops, manufactures, and markets thermal sensors for heat flux measurements in various applications and provides consulting on the thermal integration of its products. Today, greenTEG supplies OEMs as well as scientists in corporate and university labs around the world with its unique products. greenTEG has won a CES® 2022 Innovation Awards for the CALERA® - Core Body Temperature Monitoring Technology - in the Health & Wellness category.

For more information about greenTEG, please visit: www.greenteg.com

For any questions, please contact:

Dr. Leslie Labarre | leslie.labarre@greenteg.com