

ItoM Press Release

ItoM launches new medical venture dedicated to the development of wearable biometric solutions

ItoM Medical is helping device manufacturers take advantage of electronic advances to bring wearable, medical grade, biometric diagnostic and monitoring solutions to market

Eindhoven, the Netherlands, March 6, 2018 - Semiconductor Ideas to the Market (ItoM) B.V. today announced the launch of a sister company, ItoM Medical. This new venture, dedicated to the development of wearable biometric solutions for medical technology companies, is a result of the last five years of effort in designing electronic systems and signal processing algorithms for electrophysiological diagnostic and monitoring systems (electrocardiography, electroencephalography, electromyography, respiratory, etc.) that deliver medical-grade accuracy.

“While we have seen a significant increase in sports wearables over the last few years, the gold standard from a clinician’s perspective has remained bulky trolley-based hospital equipment. By understanding the needs of clinicians and being able to translate those needs into system requirements and complete designs, we are helping our customers bring forward medical-grade wearables for a host of applications. Devices that provide the accuracy demanded by clinicians but also open up new diagnostic opportunities and make it less stressful on patients”, commented Jurryt Vellinga, CEO of ItoM Medical.



It is exactly this ability to open up new diagnostic opportunities that excites Jean Driessen, MD, PhD, Sports physician and asthma specialist at the Asthma Center of Excellence. Dr. Driessen has been involved in respiratory and asthma research in both athletes and infants. He stated, “Asthma monitoring in infants will be greatly improved when using diaphragmatic activity measurement in combination with a dry electrode solution”.

To help device manufacturers develop new wearable diagnostic and monitoring devices that comply with medical requirements, ItoM Medical has developed super small form factor electronics with ultra-low power consumption. At their core lies an extensive library of signal processing algorithms that can be implemented in medical devices. Along with hardware and software design and development services, ItoM Medical also has a proven, CE pre-certified, fully integrated embedded platform design for wearable ExG diagnostic and monitoring systems, as well as arrhythmia detection and respiratory effort.



According to Paul van Kampen, founder of a new startup in asthma monitoring, "The unique breakthrough technology of ItoM Medical lies at the core of our product – a wireless asthma monitoring device that enables children with asthma to take control of their condition and increase their quality of life. By combining demonstrated trustworthiness with their systems expertise and commitment, ItoM Medical is the perfect partner for us".

For more details, please visit <https://www.itom-medical.com>.

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About ItoM

ItoM is a privately-held, internationally recognized mixed-signal IC & system design company, with a unique track record of innovations and focus on RF transceivers and broadcast tuners. As well as proven design capabilities, ItoM has a valuable portfolio of verified system IP blocks currently in production with its customers. These include ground-breaking ultra-low-power IP blocks enabling the next generations of IoT RF transceivers, and are complemented by an extensive portfolio of adaptive signal processing technologies. Founded in 1998 ItoM has successfully grown to a world-class team of 30 FTEs and has offices in Eindhoven (headquarters) and Enschede, The Netherlands.

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About ItoM Medical

ItoM Medical is a medical device development company founded in 2018, as a sister company of Semiconductor Ideas to the Market (ItoM) B.V. Combining many years of experience in IC and embedded systems design with expertise in biometric sensing and data analysis and processing, ItoM Medical is the ideal partner of choice for medical device development. Along with offices in Eindhoven and Enschede, ItoM Medical has its headquarters in Roden, The Netherlands. The company is also partner of Health Hub Roden, which connects businesses, knowledge institutes and government bodies centred in the world of medical technology and healthy ageing.

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