

QUALCOMM TRICORDER XPRIZE

TEAM SHEET



"The Qualcomm Tricorder XPRIZE will ignite a wave of innovation around the concept of remote diagnostics, but the technology developed also needs to be accepted by physicians. The winning team will have to demonstrate that the data they generate can be trusted - then the benefits of this digital revolution will truly give the consumer a role in their own healthcare."

- Team CLOUD DX



CLOUD DX

HEADQUARTERS: Toronto, Ontario, Canada

TEAM WEBSITE: www.CloudDX.com

TEAM LEADER: Dr. Sonny Kohli

TECHNICAL INNOVATION

Our patent-pending Vitaliti™ necklace & cuff are capable of recording four channels of data: pulse wave (sphygmogram), 2-lead ECG, pulse oxygen (PPG) and temperature. From these data streams, using proprietary cloud-based algorithms we can measure eleven physiological parameters: blood pressure, pulse pressure variation, pulse rate, pulse rate variability, respiration rate, heart arrhythmia detection and characterization, cardiac de-coupling, blood oxygen saturation, body temperature and augmentation index. All our results are available instantly on any tablet, and are securely stored in the cloud for later retrieval, charting, trending and data mining. Along with San Diego-based Esterline-LRE and Toronto-based Cortex Design Inc. we are developing a portable, desk-top in-vitro diagnostic platform (IVDP) capable of running advanced assays on blood, urine and saliva samples. Our finalist Vitaliti™ Platform

combines our FDA-cleared Pulsewave® technology, Cloud Diagnostics® architecture, Vitaliti™ portable chromatography and our proprietary user interface.

ABOUT OUR TEAM

Team CLOUD DX consists of a tight-knit group of programmers, software architects and bio-medical engineers, led by some highly experienced entrepreneurs. As part of Biosign Technologies this team achieved FDA clearance for their latest product after only 97 days of review (the average is 137 days!). We are a private company,



owned by the team that recently acquired all the medical device assets of Biosign Technologies Inc including Pulsewave® and the Vitaliti™ XPRIZE entry. We are ISO 9001 / ISO 13485 certified, licensed as a medical device manufacturer by Health Canada and FDA 510(k) cleared to sell our products in the United States.

ABOUT OUR TEAM LEADER

Dr. Sandeep (Sonny) Kohli is a practicing Physician at Oakville Trafalgar Memorial Hospital and Assistant Clinical Professor (Adjunct) of Medicine at McMaster University in Toronto. From 2008 to 2009, Dr. Kohli was an Astronaut Candidate at the Canadian Space Agency (CSA). He is an alumnus of the International Space University, a trained flight surgeon with the Canadian Forces, and was awarded a CSA scholarship to Johnson Space Center & Wyle Labs. While studying at ISU, he helped deploy the Image Reversal In Space (IRIS) experiment on the International Space Station.

ABOUT THE PRIZE

The Qualcomm Tricorder XPRIZE is a \$10 million global competition to stimulate innovation and integration of precision diagnostic technologies, helping consumers make their own reliable health diagnoses anywhere, anytime. Putting healthcare in the palm of your hand.

qualcommtricorderxprize.org