

#### Checkpointcardio Ltd:

Checkpointcardio has developed one of the first systems for real time online patient telemonitoring with fully operating cardiological medical center for continuous 24/7 observation, diagnostics, patient health management and emergency reaction services. Through smart wearable devices, the system collects 1, 3-12 lead ECG, SpO2, pulse, respiration rate, non-invasive blood pressure trend, activity and location of the patient. The first of its kind telemedical center has served more than 15 000 patients across 4 continents. There are thousands of patients cases, where severe health conditions have been detected and the condition of the patient immediately managed, while at the same time her/his safe transfer to a hospital was conducted. Thus the system and the service have been proven to be life saving.

With the participation in Nightingale solution, Checkpointcardio will be able to widen the pathologies detected and medical services offered, through the system, such as model-based intelligent detection and prediction of deterioration in general patient condition both inside and outside the hospital, the adding of more medical specialists in the telemonitoring medical center, such as General Practitioners, emergency specialists, psychiatrists, etc., and to bring the remote medical professional help to a level of indispensable part of the healthcare system of the future, where the medical help can be delivered instantly to the patient, and where the patient will be the central point of care.

#### Emfit Ltd:

Emfit is a world-leading manufacturer of non-contact vital signs, sleep, sleep-disorder and seizure movement sensors and electronics. Emfit has developed a low cost contact-free sleep sensor system now in use for elder care, hospitals and consumers. Emfit's sensors suitability for measuring heart rate, heart rate variability, breathing rate, and diagnosing obstructive sleep apnea and increased respiratory resistance are supported with tens of non-biased scientific publications. Also its usability even for heart arrhythmias detection is supported.

For the Nightingale Challenge Emfit is offering a solution that would utilize the underlying existing real-time over the Internet operating sensor technology. In the project Emfit with its development partners is developing a innovative multi sensor system to be used across the health care continuum and especially for detecting patient deterioration using artificial intelligence and machine learning in the software.

#### Sentinel Biosensor Ltd:

Sentinel Patient Monitoring System (SPMS) delivers a highly advanced level of patient monitoring both in hospital and post discharge in the home. A small, elegantly designed state-of-the-art biosensor on the upper arm monitors patient deterioration or improvement 24x7. Sentinel detects trends, alerting medical staff before conditions become critical. Harnessing A.I.

and supervised machine learning, Sentinel 'learns' and improves reducing nursing workload and helping deliver better patient outcomes. Sentinel is the next generation of patient monitoring.

Welch Allyn B.V.:

Welch Allyn and Mortara are wholly owned subsidiaries of Hill-Rom Holdings, Inc. We provide industry-leading technology for measurement of patient vital signs, analysis algorithms, management of data artefacts, and connectivity to hospital electronic medical record systems. Our unique focus on patient monitoring in the low to medium acuity hospital wards, technology platforms, and demonstrated ability to integrate data within the electronic medical record allow us to deliver a fully integrated, seamless solution that meets the Nightingale challenge to wirelessly monitor patients' vital signs, identify high-risk individuals, and detect patient deterioration early so that treatment can prevent death and disability in the hospital and at home.

Hill-Rom is a leading global medical technology company with more than 10,000 employees worldwide. We partner with health care providers in more than 100 countries, across all care settings, by focusing on patient care solutions that improve clinical and economic outcomes. Hill-Rom's people, products, and programs work towards one mission: Every day, around the world, we enhance outcomes for patients and their caregivers.