

Home Care Solutions

13th to 14th February





Aerotel Medical Systems

Short Profile

Telemedicine and Remote Medical Monitoring Systems

Aerotel Medical Systems provides user-friendly medical diagnostic systems and devices for the home-care, eHealth, and telemedicine markets. The company provides a complete disease-management package, including transtelephonic devices designed for a variety of remote diagnostic, emergency services, rehabilitation, and monitoring applications, with end-to-end phone- and web-based hardware and software platforms. Aerotel's Heartline system enables patients to conduct normal, mobile lives knowing that a professional response to any change in their heart condition is only a phone call away. The company's e-CliniQ system eliminates potential problems caused by distance when monitoring medical parameters. With the MPM system, medical parameters, including information from compatible Heartline devices, are sent through telephone lines to the monitoring service center, which automatically enters the data into the patient's records. Aerotel Medical Systems was awarded the prestigious Frost & Sullivan 2016 European Telehealth and Telecare Solutions Market Leadership Award.



Biobeat

Short Profile

Wearable Vital Sign Monitor

Biobeat provides wearable remote patient monitoring solutions for the healthcare continuum. The company's AI-driven remote patient monitoring platform includes a disposable short-term chest monitor and a long-term wrist monitor. Both monitors utilize a PPG sensor to continuously provide accurate readings of 15 health parameters, including cuffless blood pressure, pulse rate, respiratory rate, blood oxygen saturation, temperature, stroke volume, cardiac output, one-lead ECG (chest monitor only), and more. Leveraging its automatic, continuous, and noninvasive RPM AI platform, Biobeat utilizes its vital sign database to identify early deterioration of patients via its proprietary big data and health-AI tools. Aggregated patient health data is viewed by medical staff via Biobeat's secure HIPAA and GDPR compliant cloud-based patient management platform. Biobeat's platform utilizes an automated real-time early warning score system that incorporates advanced AI-based algorithms to provide alerts on patient health status and potential deterioration. These capabilities allow Biobeat to support medical teams with tailored patient care, such as adjustment of therapeutics and early prevention of specific disease exacerbations. Biobeat's wearable devices are FDA cleared and CE marked.



CardiacSense

Short Profile

Medical Watch for Detecting and Monitoring Heart Arrhythmias

CardiacSense is a privately owned start-up specializing in biosensing technology. The company has developed a clinically proven medical wearable device for monitoring heart arrhythmias. Based on blood-flow technology, the CardiacSense watch enables continuous 24/7 monitoring and instantaneous electrocardiogram readings. CardiacSense is focused on the detection of atrial fibrillation and other arrhythmias, as well as continuous and comprehensive vital sign monitoring. The company's technology is based on a strong IP portfolio spanning the fields of optics, mechanics, and signal processing. The CardiacSense watch is currently in the advanced stages of FDA approval and has received the CE mark for marketing and sale of the device in the European Union. It has also received ISO 13485:2016 certification for its quality management system from BSI UK. CardiacSense received regulatory medical device approval from Israel's Ministry of Health in August 2020.



Cnoga

Short Profile

Telemedicine Solutions based on Noninvasive Medical Devices

Cnoga is a digital healthcare company that develops noninvasive medical devices to provide a complete end-to-end solution for remote patient monitoring. Cnoga provides full virtual care services. CnogaCare is combining its in-house noninvasive technology with digital healthcare platforms through partnerships. Cnoga's technology combines artificial intelligence and deep-learning methods with noninvasive devices and digital platforms. CnogaCare is pursuing a future in which people conduct simple, needle-free blood tests in the comfort of their own home or any other location, combined with a full digital healthcare platform to prevent chronic diseases and improve life quality. CnogaCare's platform has undergone extensive clinical trials; is registered to ISO13485:2016; is certified and commercialized in Europe, Asia, and South America; and is in the FDA submission process in the United States.



Datos Health

Short Profile

Remote Care Automation Platform

Datos Health's Remote Care Automation platform facilitates the increasing transition of care from the hospital to the home; offers agnostic care delivery across any device, data source, patient profile, and treatment protocol; enables healthcare organizations to rapidly and seamlessly design and deploy new remote-care programs and workflows; and helps realize the potential of patient-generated data through strong patient engagement. The Datos platform enables affordable automation driven by home-based medical sensors and electronic medical record data, as well as the digitalization of patient journeys. The platform additionally supports real-time remote assessment and validated clinical insights, allowing automated detection, prediction, management, and immediate response to any irregular symptom. Datos ultimately empowers pharmaceutical companies, clinical research organizations, providers, and academic medical centers to advance treatments, enable the safe transition of patient care from hospitals and clinics to the home, improve care team effectiveness, and maximize care pathway outcomes.



Elfi-Tech

Short Profile

Noninvasive Remote Monitoring of Physiological Parameters

Elfi-Tech develops remote noninvasive medical-device technology including a proprietary laser-based sensing platform that enables users to "see" blood as it flows in the body. The company has developed a remote monitoring health station device that is small, easy to use, and multi-parametric. The device can be used in home and isolation situations, providing accurate cardiovascular parameters to patients, healthcare providers, and organizations. The device records absolute blood pressure at the finger root, heart rate, oxygen saturation, electrocardiogram measurements, heart rate variability, and blood-flow-related parameters. The health device can effectively prevent virus exposure to medical staff by reducing the need for proximity to contaminated (or suspected) patients. It can deliver screening capabilities and a disease management tool that can be particularly important for high-risk populations such as patients with hypertension, cardiovascular disease, and chronic obstructive pulmonary disease. The company's technology combines accessible, easy-to-use sensors with actionable medical-grade data to support medical, digital health, and IoT applications. It is currently focusing on several platform expansions including cloud analytics and digital health.



Inovytec

Short Profile

Emergency Critical Care Devices

Inovytec Medical Solutions develops innovative products designed to dramatically increase survivability in out-of-hospital medical emergencies. The company's solutions include the SALI, an automated oxy-defibrillator that combines oxygen therapy, airway management, and defibrillation along with real-time telemonitoring and emergency notification; the LUBO, an upper-airway opening device combined with a cervical collar for noninvasive airway management in cases that require cervical fixation or immediate airway management; and the VENTWAY, a multifunction, ultralight ventilator designed for critical care and oxygen therapy under field conditions.



Koalys

Short Profile

Web and Cloud-based Platform for Audiology

Koalys is a comprehensive SaaS platform for hearing care that is backed and financed by the Israel Innovation Authority. Koalys provides professionals with the means to perform hearing tests for screening, diagnostics, and hearing-aid fitting. Its turnkey solutions are designed for medical practitioners, retailers, digital health providers, and audiology professionals. Koalys's solutions are cloud based, digital, and mobile. The company uses artificial intelligence, machine learning, and big data to provide accurate, cost-effective hearing care to anyone, anywhere. Koalys is CE marked, FDA registered, ISO compliant, and GDPR and HIPAA compliant..

Short Profile

Noninvasive Thermometry

Medisim develops medical devices designed to enhance patient health while easing caregivers' workload. The company's primary focus is on platforms and therapies that address unmet needs in order to provide substantial medical impact. Medisim's solutions are based on technology and expertise in the areas of home thermometry, core temperature monitoring, and amblyopia therapy.

Short Profile

Noninvasive Bioimpedance-based Cardiac System

NI Medical has developed the Non Invasive Cardiac System (NICaS), a whole-body bioimpedance system for the noninvasive assessment and monitoring of cardiovascular, respiratory, and fluid parameters, offering accuracy and agreement with thermodilution estimates of cardiac output. The NICaS device is designed for hospitals, outpatient facilities, and home healthcare programs. The company's next product is a smartphone application designed to be used at home by the patient as a telemedicine device to transmit physiological data to the physician for evaluation. NI Medical's products have been certified worldwide with U.S. FDA 510(k), European CE mark, Canadian MDL, Japanese PMDA (Shonin), and Israeli AMAR approvals. NI Medical products also maintain the standard of ISO 13485:2003.



NuvoGroup

Short Profile

Remote Prenatal Monitoring Platform

Nuvo Group is commercializing INVU, a prescription-initiated remote pregnancy-monitoring platform. INVU combines proprietary hardware for high-fidelity data collection and innovative software solutions powered by AI tools in order to optimize the pregnancy care experience on a global scale. INVU received 510(k) clearance from the U.S. FDA in March 2020 for maternal and fetal heart rate monitoring. Nuvo recently completed enrollment in pivotal trials to support an additional application for clearance for remote monitoring of uterine activity.



OutSense Diagnostics

Short Profile

Toilet-based IoT Sensor for Detecting GI Conditions

OutSense Diagnostics is developing an IoT sensor for wellness monitoring and early detection of illness. The sensor uses imaging technologies to monitor essential health and wellness parameters and communicates them to the user with a mobile app. The company's primary goal is to prevent colorectal cancer by identifying hidden blood in stool. The OutSense clip-on toilet sensor is designed to be user friendly and includes a proprietary optical setup, data acquisition board, connectivity, and a mobile phone app. The hands-free sensor automatically scans every elimination and is capable of identifying minute traces of blood in stool. The OutSense sensor can perform hundreds of measurements per year, improving accuracy and compliance. The OutSense platform is also useful for other GI conditions, such as irritable bowel syndrome, Crohn's disease, and colitis, as well as for lifestyle and personalized nutrition applications.



Oxitone

Short Profile

Wearable Wrist Monitor for Patients with Severe Chronic Disease

Oxitone Medical is the developer of the Oxitone 1000M pulse oximeter, an FDA-cleared medical device designed to continuously monitor and automatically flag critical medical issues in patients with severe chronic diseases, enabling them to get immediate help in the easiest and most straightforward way. The devices sensors are placed around the patients ulnar bone at the wrist, where they deliver a reading every second to the cloud. The basic measurements include SpO2, pulse rate, HRV, motion, and skin temperature. The device also delivers actionable insights such as hypoxia index, apnea index, activity index, sleep efficiency, and physiological stress. Oxitone Medical focuses on patients with acute respiratory failure a common complication of COVID-19 as well as physiological stress and sleep disorders.



TytoCare

Short Profile

On-demand Remote Medical Exams

Tyto Care aims to transform primary care by putting health in the hands of consumers. The company seamlessly connects people to clinicians to provide optimal home examination and diagnosis solutions. Tyto Care offers a remote examination tool and telehealth platform that enables a complete examination of the heart, lungs, skin, throat, and ears, including temperature readings, anywhere and anytime. The company's mission is to provide easy, affordable, and high-quality telehealth visits, complete with medical exams, all from the comfort of the patient's home. Tyto Care has three telehealth products: TytoHome for consumers, TytoPro for professionals, and TytoClinic for remote point-of-care locations. All of the company's solutions are designed to replicate a face-to-face clinician visit and include a handheld modular examination tool for examining the heart, lungs, skin, throat, ears, and body temperature; a complete telehealth platform for sharing exam data, conducting live video exams, and scheduling visits; a cloud-based data repository with analytics; and built-in guidance technology and machine learning algorithms to ensure accuracy and ease of use. The Tyto platform also allows for simple integration with EHR systems and other telehealth platforms.



Vitalerter

Short Profile

Contact-less Patient-monitoring Platform

Vitalerter develops lightweight, contact-free, IoT biosensors for patient monitoring. The company's solution is designed for long-term care facilities, hospitals, and telehealth providers, with no IT integration needed. Its sensors attach under patient beds and send data via WiFi to a cloud-based machine-learning platform, providing continuous and contact-free monitoring of vital signs and body movements. Vitalerter's cloud-connected vital-sign-monitoring solutions are designed for vulnerable patients who require close monitoring without one-to-one nursing care. Its systems leverage available hospital infrastructure and remotely connect nurses and doctors to their patients through a smartphone app. The platform contacts the care staff on any mobile device and includes reports and graphical data analysis for the medical team. The Vitalerter platform detects early-stage vital-sign deterioration; warns of bed exits by at-risk patients; prevents falls and pressure ulcers through preventive alerts; and continuously displays bed occupancy, heart rate, respiratory rate, and stress level, enabling medical teams to improve the quality of patient care and protection.



Mobile ODT

Short Profile

AI-based Cervical Cancer Screening Solutions

MobileODT develops optical diagnostic devices and software services designed for early cancer detection and a range of other medical purposes. The company is creating advanced optical technology components to turn smartphones into easy-to-use mobile point-of-care tools to help detect cancer and capture a range of biomedical images for diagnostic and other analytical purposes. Mobile ODT also develops intuitive app-based programs to operate its devices and connect them to a cloud-based software platform. The platform will enable immediate remote consultation with experts for improved case management and easy integration with a range of emerging electronic health record programs. The company's EVA COLPO is an FDA-cleared, internet-connected portable colposcope that is as simple to use as a mobile phone. The device combines advanced hardware with integrated software to serve a variety of clinical needs. The EVA SANE is a secure and easy-to-use forensic documentation system for fast examinations. It combines the capabilities of a video colposcope and a digital camera to enable both full-body and external body cavity image and video capture. The EVA WELL is an FDA-cleared and HIPAA-compliant digital visualization tool for gynecologic exams.



BMT Diagnostics

Short Profile

Rapid diagnostics Tests-NO STEP-patent

Founded in 2004, BMT Diagnostics is an Israeli company focusing on bringing innovative products and developing customer-friendly rapid diagnostic tests. BMT has developed and pioneered a first of its kind Lab-On-Time™ worldwide patented platform of No-Step integrated Rapid-Diagnostic-Test devices that includes: COVID19 Ag, Strep A, and Influenza A+B tests. The platform reduces test performance complexity, making it simpler and more intuitive for the end-user. This improves the process of patient screening, shifting patient testing from centralized labs to point-of-care and self-use, thereby improving healthcare provision.



OnePass Medical

Short Profile

Single-use Needle for Ultrasound-guided Endoscopic Biopsies

OnePass Medical is a medical device company developing InstaFan, a single-use needle for ultrasound-guided endoscopic biopsies. The EUS-FNA needle contains two functional parts: a standard (straight) 22-gauge EUS-FNA needle that can be operated like an existing EUS-FNA needle and four additional 25-gauge pre-curved needle tips that can be used to obtain biopsies concurrent with or immediately after using the straight needle. InstaFan enables 3D spread of sampling sites at five different locations in order to reduce false negative results, reduce the time needed to obtain samples, and ultimately save lives. The EUS-FNA needle helps patients by increasing diagnostic accuracy, and its reduced complexity benefits physicians by enabling less-trained practitioners to perform the procedure. InstaFan also allows hospitals to treat more patients due to reduced procedure time. OnePass Medical is a portfolio company of Galil Ofek Innovations



Flight Medical

Short Profile

Portable Life-supporting Respiratory Ventilators

Flight Medical develops, manufactures, and markets life-supporting portable respiratory ventilators for home care, long-term care, emergencies, transport, hospitals, and subacute environments. The company's flagship products are the Flight 60, a feature-loaded portable ventilator, and the HT50* ventilator. Both products incorporate Flight Medical's technology for providing ventilation and mobility. Flight Medical is a subsidiary of Medtechnica, Israel's largest medical equipment distributor, and part of the Ilex Medical group.



Rimed

Short Profile

Noninvasive Transcranial Doppler System

Rimed is the developer of a transcranial doppler system, composed of a PC-based peripheral vascular doppler and a customizable summary screen, that has since been adopted by other companies. Rimed now offers a new line of digital transcranial dopplers with M-Mode as well as an integrated carotid imaging probe. Rimed's Digi-One system provides a complete diagnostic solution for neurosonology or neurovascular laboratories. Digi-One noninvasively measures the blood flow velocity in the main arteries of the brain, facilitating the detection of stenosis and emboli flowing in the bloodstream. The company's line of products carry all international certifications, including CE, ISO 13485:2003, FDA, and CFDA.

Salignostics

Salignostics

Short Profile

Saliva-based Rapid Diagnostic Tests

Salignostics is developing saliva-based rapid diagnostic tests (RDTs) utilizing a lateral flow immunoassay platform. The approach qualifies saliva for a variety of RDTs, including for pregnancy, ovulation, H. pylori, and malaria. The company's platform comprises a toolbox of technologies that amplify saliva as a detectable body fluid by overcoming different chemical and biological saliva-related obstacles. Implementation of these technologies transforms saliva from a nondetectable to a detectable body fluid. Salignostics is developing the Salistick, a rapid saliva-based pregnancy test; the MalKit, a saliva-based RDT for malaria; and the PyloriKit, a saliva-based RDT for Helicobacter pylori infection.



Sensible Medical

Short Profile

Noninvasive Lung Fluid Monitoring and Management

Sensible Medical Innovations has developed the ReDS medical radar technology, which originated from the defense industry's see through walls technology. ReDS is designed to monitor and manage patients with fluid management problems, including patients living with heart failure (HF), taking diuretic medication, or recovering from an event related to coronary artery disease. ReDS is intended for use by qualified healthcare practitioners and by patients under the direction of a physician in hospitals, hospital-type facilities, and the home environment. In a pilot study, ReDS-guided HF management reduced the number of HF-related rehospitalizations by approximately 80%. The company is headquartered in Israel with commercial offices in the United States. In August 2015, Sensible Medical's noninvasive thoracic fluid status monitor was cleared for market in the United States.



Taliaz

Short Profile

Predictive Technology for Personalized Medication

Taliaz is revolutionizing mental health treatment and management with PREDICTIX. Combining data science with AI, our proprietary technology, PREDICTIX, translates complex genetic, demographic and clinical patient data into a time-saving assessment, management and clinical prescribing support tool for healthcare providers. PREDICTIX addresses today's huge clinical challenge that physicians have limited tools and time during a patient visit yet growing numbers of patients. This leads to reduced quality of care and high costs. In fact, only 4 out of 10 patients receive the right treatment the first time, resulting in a painful 6-18 month trial and error period. PREDICTIX empowers health systems, providers and insurers to improve quality of care by increasing prescribing accuracy, saving a minimum of 12% in mental health costs. Furthermore, PREDICTIX optimizes the patient-physician visit and follow-up time, by digitizing and improving assessment, prescribing and ongoing management with AI health insights. PREDICTIX is currently available in Europe.

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