

## **Exhibitor Overview WT | Wearable Technologies Show MEDICA, 13th – 16th November 2017 in Düsseldorf | Hall 15 Booth A23**

### **Wearables for Chronic Diseases and Mobility Challenges: Patches, Wearable Robotics & Smart Implants**

**Bioservo** has developed a SEM glove to help patients with a weakened grip to get new strength in their hands. It can also be used for rehabilitation. <http://bioservo.com/>

**EGZOTech** presents Luna, a neurorehabilitation roboter that supports clinically weak patients with EMG controlled exercises, e.g. after a stroke. <https://egzotech.com>

**Empatica's** Embrace Watch monitors seizures, sleep and physical activity and helps to analyze and predict events of epilepsy patients. The E4 Wristband measures physiological signals in real-time. <https://www.empatica.com/>

**FreeBionics** shows an exoskeleton for people with limp, muscle weakness or paraplegia to get back mobility. It can be used for rehabilitation purposes. <http://www.freebionics.com.tw/>

Adamm by **Health Care Originals** is a smart patch for respiratory management that supports people suffering from asthma. It provides cough counting and monitors respiration, wheeze and heart rate. <http://healthcareoriginals.com/>

Mollii is a neurorehabilitation concept by **Inerventions** that provides individually adapted rehabilitation in the form of a garment with electrotherapy for people with spasticity or other forms of motor disability (cerebral palsy, acquired brain damage, spinal injury and stroke). <http://inerventions.se/en/>

**Terra Blue XT** introduces TJay, a smart glove capable of sensing electrical signals from your body. It can be used for diagnosis of epilepsy and help patients to analyze and predict seizures. <http://www.teblux.com/tjay.html>

**TracPatch** is a smart patch for patient recovery monitoring after an implant or surgery. It monitors wound healing through temperate measurement and keeps track of the patient's activity via smartphone. <http://www.tracpatch.com>

**YBrain** presents the MINDD wearable headband, a non-invasive neuromodulation system for depression treatment. It uses transcranial direct current stimulation to deliver a stream of electricity to the frontal lobe. The company does research on an application for Alzheimer's patients. <http://ybrain.com>

## VR / AR in Healthcare

**Evena Medical**'s Eyes-On-Glasses, the first wearable point-of-care ultrasonic system for vascular viewing. It helps first aiders to find the right blood vessel within seconds.

[www.evenamed.com](http://www.evenamed.com)

**MEDISANA** ensures the perfect wellness experience with a VR / AR headset and massage chair. <http://www.medisana.de/index.php>

## Vital Sign Monitoring

**Accurate Meditech** shows wearable devices for telemonitoring. <https://accurate-meditech.com/>

**Alive Sciences** has developed the „Rothman Index“, a patented, first-of-its kind early-warning system that uses unique healthcare measures including vital signs and questions about any symptoms you may have to form a composite health score. <http://www.alivesci.com>

**Biovotion**'s multi-sensor platform measures various vital signs on your upper arm (e.g. heart rate, stress, respiration). <http://www.biovotion.com/>

The research and technology organization **CSEM** shows high-end solutions for capturing and analyzing vital signs that can be integrated in any wearable device. <http://www.csem.ch/site/>

The **Fraunhofer Institute for Integrated Circuits** is one of the world's leading application-oriented research institutions for microelectronic and IT system solutions and services. It presents smart sensors, integrated circuits and software solutions focusing on wearable technologies in the healthcare segment. <https://www.iis.fraunhofer.de/de/ff/sse.html>

**Ming Young Biomedical** has launched a series of avant-garde wearable textile sensors used for measuring vital signs such as ECG, respiratory ratio, body temperature, sweatiness, gait, heart sound etc. <http://www.my-cares.com>

**Rooti Labs** offers different products for a healthy and balanced life: The W/Me2 wristband not only tracks activity but also provides a relaxation program with breathing exercises. The SleepRX monitors the quality of your sleep and CardioPad is a portable blood pressure monitor, able to detect cardiac fibrillation. <https://www.rootilabs.com/>

The leading research and technology company **VTT** will show the latest solutions and ideas of the healthcare market – focused on mobile applications. <http://www.vttresearch.com>

**XYZLife** provides around-the-clock healthcare solutions for the aging population, e.g. smart clothing for vital sign monitoring. [http://www.xyz-life.com/eu\\_en/home](http://www.xyz-life.com/eu_en/home)

## Wearable Technologies for Women and Newborns, Family Planning and Pregnancy

**Chiaro / Elvie** introduces a smart kegel trainer to strengthen your pelvic floor and control bladder issues. <https://www.elvie.com/de/>

**Cosinuss** offers two wearable devices: The cosinuss° One is an In-Ear Wearable that monitors your heart rate precisely. The degree° thermometer informs parents about their child's core body temperature – non-invasive and painless. <https://www.cosinuss.com>

**LifeSense** presents Carin, a non-invasive pelvic floor exerciser integrated in your underwear. It tracks your training and ensures a stronger bladder after pregnancy. [www.carinwear.com](http://www.carinwear.com)

**Raiing Medical** shows a fertility tracker for predicting the ovulation and a wearable device for monitoring your body temperature 24/7, which is ideal for kids. <https://www.raiing.com/en>

## **Wearables for Sports and Motion Analysis**

**LifeVit** offers an all-in-one system for a healthy life, consisting of a blood pressure monitor, a fitness tracker and an app compatible to any device. Notifications can be send to a person of your choice. <http://lifelvit.es/ENG/index.php>

**Firstbeat** provides an algorithm for heart rate evaluation and activity tracking and gives individual insights in training, sleep and daily life. [www.firstbeat.com](http://www.firstbeat.com)

**FORCIOT**'s measurement system can be integrated into different sports wearables, for example sports shoes, insoles or gloves. It enables athletes, coaches and physiotherapists to measure performance data in every exercise, anywhere. [www.forciot.com](http://www.forciot.com)

**Gait Up** provides innovative wearable sensors and software for motion analysis in sports and clinics. With their Physilog® applications they are turning motion sensor signals into meaningful data related to performance or disability. <https://www.gaitup.com/>

**Myontec** presents smart clothing with integrated muscle activation technology, monitoring sports performance through direct measurement of muscle activity. <https://www.myontec.com/de/>

**OXY4** focuses on non-invasive performance monitoring in real-time. They support customers in the optimization of performance diagnostics and training monitoring by measuring and analyzing multiple parameters. <http://www.oxy4.com>

**PulseON** offers wearable wristbands for healthcare professionals to analyze and monitor atrial fibrillation and sleep apnea. <http://pulseon.com>

**TMG-BMC** focuses on tensiomyography and provides solutions for better treatments and enhanced recoveries, e.g. sensors detecting muscle damage. <http://www.tmg-bodyevolution.com/>

## **Smart Materials and Technologies, Connectivity and Standardization**

**Alpha-Fit** develops and produces functional intelligent textiles for pressure measurement. The filament itself measures the pressure. These innovative textiles can be used as an instrument for measuring or diagnosing in a number of different areas such as medicine, orthopaedics, sports and technology. <http://www.alpha-fit.de/home.html>

**Cicor** offers complete outsourcing services and a broad range of innovative technologies, electronic manufacturing services and a wide range of production options from PCB assembly, system assembly, box-building, toolmaking and plastic injection molding. <http://www.cicor.com>

**Covestro** is a world-leading manufacturer of high-tech polymer materials for key industries, e.g. adhesives and wound bandages for medical applications. <https://www.covestro.de/>

**Dow** offers a comprehensive portfolio of proven, biocompatible technologies such as silicone rubbers, elastomers and adhesives to enable a connected future in the healthcare market and to facilitate the internet of medical things. [www.dow.com](http://www.dow.com)

**EBV Elektronik** is one of the leading specialists in European semiconductor distribution. The company supports its customers from idea to product with 105 continuously trained application specialists, know-how and experience since 1969. <https://www.avnet.com/wps/portal/ebv/>

**HK Highpowertech** provides powerful batteries for wearable devices. <http://www.highpowertech.com/>

**Rowebots** offers enabling technology that supports the product lifecycle of wearable devices. <http://rowebots.com>

**Shimmer**'s award-winning and certified sensor technology supports customers from idea to product. <http://www.shimmersensing.com/>

**TTP Ventus** introduces the award-winning Disc Pump, a micropump platform for point-of-care diagnosis, based on ultrasonic resonance. <https://www.ttpventus.com/about-us>

**VARTA Microbattery** presents CoinPower – rechargeable Li-Ion button cells setting new standards in energy capacity and performance – and gas generating cells particularly suitable for dispensing solutions. <http://www.varta-microbattery.com>

**Personal Connected Health Alliance** is a non-profit organization offering a dynamic ecosystem of innovative tech companies. <http://www.pchalliance.org>

**Link to Product Pictures** (WT | Wearable Technologies reserves all rights): <http://bit.ly/2wPoHUZ>

**Link to Event Website:** [www.bit.ly/WTMED17](http://www.bit.ly/WTMED17) or <http://www.wearable-technologies.com/events/wt-wearable-technologies-show-2017-medica>

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