E-Health

Your partner to explore innovative medical applications

:: csem

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CSEM'S TECHNOLOGY PORTFOLIO FOR MEDICAL APPLICATIONS

CSEM's pioneering work in wearable technologies is a driving force of the Digital Health transformation process. ISO-13485 certified, our medical device technology bricks support patient empowerment, enable disease self-management and improve the lives of patients and caregivers.

DIGITAL HARDWARE

Sensor technologies
- Photoplethysmography
- Biopotential (ECG, EMG, EEG)
- Bioimpedance
- Electrochemical sensors
- Gas sensors
- Motion unit (3-, 6-, 9-axis)
- Temperature
- Digital stethoscope

Ultra-low power integration
- Ultra-low power ASIC
- Sub-threshold CMOS

DATA SCIENCE

Advanced Analytics
- AI & signal processing
- Diagnosis and prediction
- Decision support systems
- Behavioral trends

Internet of Medical Things
- Private cloud service
- End-to-end encryption
- Dedicated gateway
- Web front-end
- Smartphone app

CLINICAL ASSESSMENTS

Medical Development
- Certified ISO 13485
- Smart medical integration

Clinical Trials
- > 10 Medical partners (clinics and university hospitals)
- > 15 clinical trials (registered on clinicaltrials.gov)

ISO 13485 MEDICAL

CSEM supports companies and SMEs worldwide active in the Digital Health domain with innovations in human vital signs sensing, biosignal processing, cloud computing, big data analytics, and machine learning.

Get in touch with us now www.csem.ch/eHealth