



Telemedical Systems

As a manufacturer of innovative telemedical sensors, the company CORSCIENCE offers research, development and production at the highest scientific and technical level. With us you can expect a complete telemedical system with the following components:

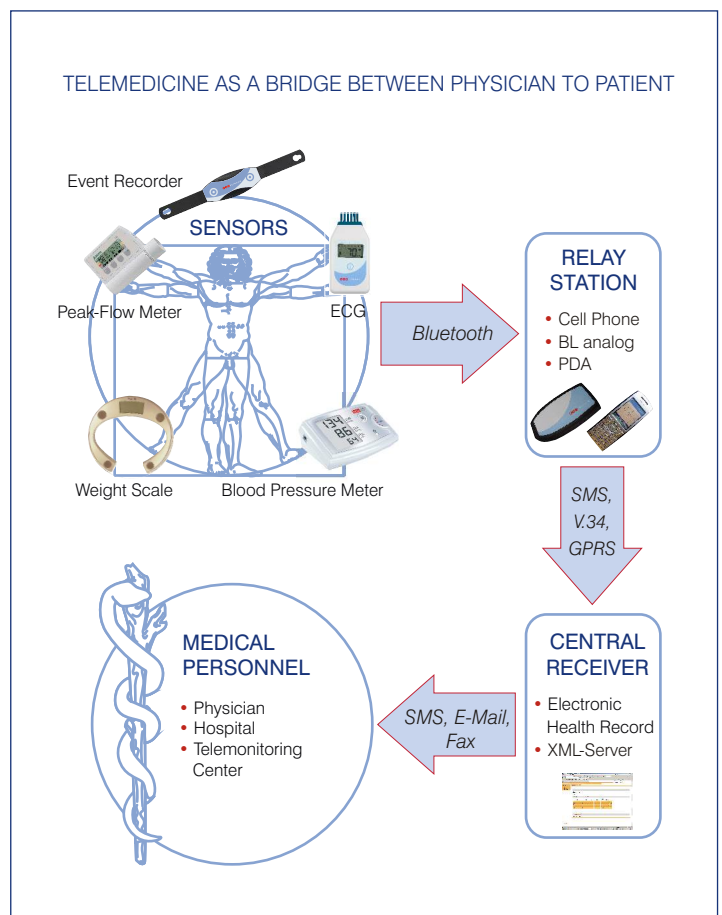
- Vital parameter sensors (blood pressure meter, weight scale, peak flow meter, event recorder, ECG device)
- Transmission devices (BL analog, mobile phone)
- Web-based health record

All sensors are equipped with a Bluetooth interface for wireless measurement transmission. As a full-service provider, it goes without saying that we can also take over the integration of the sensors into your system. We offer sensors for the following health problems:

- Chronic obstructive pulmonary disease (COPD)
- Bronchial asthma
- Cardiac insufficiency
- Cardiac dysthythmia

The telemedical system:

During the telemedical monitoring the different sensors measure the relevant vital parameters of the patient. The measured values are first transmitted to a base station, which acts as a relay station to make the won data available for further secure transmission. From the relay station, the collected vital data is transmitted to a central receiver and archived there. Then, a doctor, hospital or telemonitoring center, for example, can view the data and initiate the required measures.

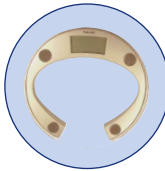


Corscience delivers the complete telemedicine system: The transmission of the measured vital parameter data goes from the sensor through the relay station to the electronic health record and finally to the medical personnel

TELEMEDICAL SENSORS



BLOOD PRESSURE METER MEDICUS PRESTIGE + BT
 The bosco-medicus prestige + BT from Boso is a high-quality measuring device, which measures the upper-arm blood pressure, and is equipped with an interface for wireless data transmission. This way, the measurements can be transmitted to an electronic health record for follow-up monitoring.



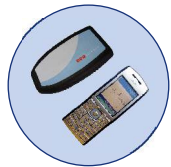
WEIGHT SCALE BS BT/GPRS
 Water retention in the body is a typical symptom of cardiac insufficiency, which also involves sudden weight gain. The weight scale BT/GPRS provides an easy way of wirelessly transmitting the daily measured weight to medical personnel.



PEAK FLOW METER AM1 + BT
 The Viasys AM1 + BT is a conventional peak flow meter, which has been equipped with an interface for wirelessly transmitting the measurements. Therefore it makes the telemonitoring of high-risk pulmonary patients possible.



CORBELT
 The Corbelt is a mobile event recorder with integrated automatic data transmission. If a cardiac event occurs, the Corbelt sends the ECG to a digital health record, fully automated without any user interaction.



BL ANALOG & BLUETOOTH MOBILE PHONE
 The BL analog is a modem with an integrated Bluetooth module which acts as a relay station and fits in any telephone jack. The cellular phone also makes it possible to transmit data over long distances with special software.



PC ECG BT12
 The BT12 is a network-independent PC ECG, which transmits measurements wirelessly to a mobile phone via Bluetooth. From there, the measurements can be sent to an electronic health record.

ELECTRONIC HEALTH RECORD

The Avetana GmbH electronic health record is a web-based telemedical portal into which all measurements of the telemedical sensors can be automatically transmitted and saved. The patient data is organized in clearly structured tables and graphics and can be evaluated and called up at any time. The electronic health record convinces with its user-optimized menu guidance and its clear structure.

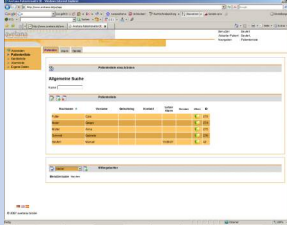


Image: patients list

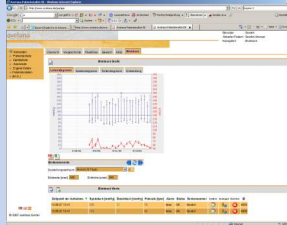


Image: line diagram blood pressure

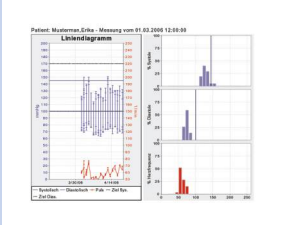


Image: measurement value progress blood pressure as pdf

About Corscience GmbH & Co. KG

Corscience has won the appreciation of their customers thanks to their reliability in development, continuously high quality standards, as well as by their cost-effective, innovative and on-time solutions.

We offer a full service comprising the development of hardware, software and housing. Furthermore, we produce and deliver your products all the way to the end customer, if need be. Therefore, with us you can expect the fully certified service chain in accordance with DIN EN ISO 9001 and DIN EN ISO 13485 from development all the way to logistical processes.

Corscience was founded in 2001 as a spin-off of the University of Karlsruhe in Germany and is currently made up of team of 50* highly qualified employees from a wide range of disciplines (engineers, computer scientists and physicists). Since our founding, we have realized over 100 successful projects. Our company headquarter is located in Erlangen, Germany, in the middle of the "Medical Valley", Germany's medical engineering center.

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