

## Wireless power and sensors for medical devices



Sensor integration and long-term operation are main aspects of E-Health solutions. We offer research and development on sensor and actuator solutions based on flexible biocompatible materials and high end electronics for contactless power supply. This covers miniaturized monitoring solutions for respiration, ECG, movement or contactless supply of implants or charging of medical devices. We will develop your custom wireless monitoring system from the electronics to the AI processing.

### Kontakt

ifak - Institut für Automation und Kommunikation  
Geschäftsfeld Messtechnik & Leistungselektronik

Sebastian Wöckel

Tel.: +49 391 9901430

✉ [sebastian.woeckel@ifak.eu](mailto:sebastian.woeckel@ifak.eu)

› <https://www.ifak.eu/de>

ifak e.V. Magdeburg e.V.

Prof. Ulrike Steinmann

Tel.: +49 (0) 3916758309

✉ [ulrike.steinmann@ovgu.de](mailto:ulrike.steinmann@ovgu.de)

› <https://www.ifak.eu>

### Vorteile / Advantages

- ▶ Easy power supply
- ▶ Flexible sensors
- ▶ Biocompatible solutions

### Anwendungsbereiche / range of application

- ▶ Wearable for health monitoring
- ▶ Power supply and charging

