



Medical ASIC development

What makes us stand out

- ISO 13485 certified for medical implants and wearables
- Excellent track record in innovative and high-complex medical applications
- Largest fab-independent European design group
- Ultra-low power in combination with high-voltage for long battery life
- Minimization of external components for minimal device size
- MRI / EMC / ESD compatibility
- Support for FDA Class I, II and III and Active Implantable Medical Devices (AIMD directive)
- Every ASIC is made for and sold to one single customer only
- First-time-right design methodology

Main expertise areas



Sensor / MEMS



High-Voltage



Power / Battery



Low-Power



Communication





40-channel Deep Brain Stimulation (DBS) and recording ASIC



Ultra-low-power sensor readout with NFC interface



Multi-channel diagnostic-quality ECG acquisition ASIC for AED applications



Medical implantable power management & battery charging ASIC



Electrode array drivers for nerve stimulation in cochlear implants



Impedance spectroscopy ASIC for cancer cell detection and characterization



High-efficiency power management ASIC for hearing aids



Low-noise portable X-ray imaging chipset



Multi-channel MUX chip-in-tip for Deep Brain Stimulation

Further details on medical ASIC developments

www.icsense.com/medical