

Bittium

ISO 13485 Certified
R&D Services
for Medical Grade
Devices and Solutions

Our vast project expertise allows you to establish secure and reliable connectivity solutions to any environment - hospital, ambulatory or home environments. Over 30 years of experience in wireless technologies and more than 300 R&D projects makes Bittium a world-class expert in IoT and wireless wearable technologies.

We work with leading healthcare and medical technology companies as a trusted partner for all stages of the care continuum. We deliver cutting-edge products, innovative design and advanced engineering services allowing critical technology transformation. Partner with us to accelerate your development of emerging business models, most vital medical devices and health solutions.

FOR MORE INFORMATION, PLEASE CONTACT:
EMEA.R&D@bittium.com



Quality

ISO 13485 certified system combined with transparent and agile way of working ensures design quality and customer satisfaction.



Services

Services range from small, proof-of-concept projects to full-blown product designs, covering the entire product life cycle



Cost-efficient

Cost efficient R&D services due to strong expertise of the latest technologies and state of the art processes and tools.



Secure

Highly secure and reliable connectivity from the device to the cloud keeps the critical clinical data safe.



Wireless

Wireless solutions improve productivity and efficiency by enabling mobility for both patients and caregivers.

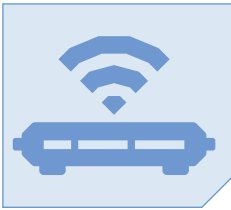
R&D Services from Technology Consultation to Commercial Wireless Product Designs

Comprehensive Expertise

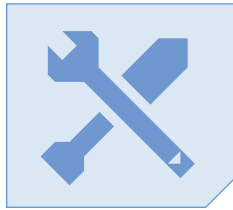
Bittium experts adapt to the specific needs of your solution, match the right expertise for your needs and together we will discover connected products and services that serve real-world users and environments. Our specialists bring you comprehensive experience from secure end-to-end solutions development, and can help at every stage, taking projects from an idea up to mass volume markets.

We use our strong global partner network for getting new solutions to market with optimized structure, cost and time. Standards based Quality Management Systems ensure a transparent, lean, and agile way of working. Bittium maintains certification by the following standards: ISO 9001, ISO 14001, AQAP 2110 ed.3, and ISO 13485.

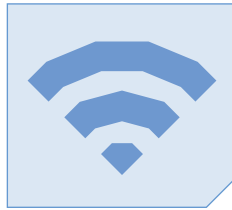
R&D Services



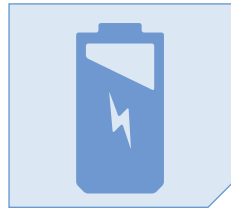
A 30+ year track record in wireless designs



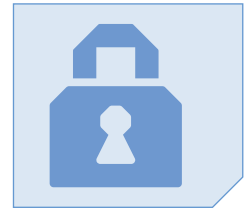
Strong expertise in system design and technology integration



Wireless radio and antenna technology expertise



Power optimized, small form-factor device development



In-house security and device management

Technical Design Capabilities

MECHANICS DESIGN

- › Concepting, minimum block, thermal design
- › Mechanical design for mass production
- › Mechanical structure reliability validation and testing

HARDWARE DESIGN

- › HW Architecture
- › Baseband, RF, Antenna, EMC/EMI, layout, audio
- › DSP
- › Power Management

SOFTWARE DESIGN

- › Low level (drivers)
- › Design on major mobile Operating Systems
- › Middleware
- › User Interface & Applications
- › Cellular Software

INTEGRATION

- › Full multi-radio device integration capability
- › Integration of wireless modems/modules into mobile connected devices
- › End-to-End Integration of Operating System & feature set

IN-HOUSE TEST LABORATORIES

- › Mechanical & environmental testing
- › EMC, audio & acoustic testing
- › Antenna measurements
- › RF & signaling / protocol pre-conformance
- › RF IOP and param & cpk measurements

CERTIFICATIONS AND APPROVALS

- › Consultancy, planning and project management for regulatory, conformance and operator approvals
- › Pre-certification & Certification
- › Operator approvals
- › Country specific certifications