


Metirionic engineering team works to fulfil particular IoT/RTLS needs for several components of the FW stack, from specification, development and testing to product launch.



Email: sales@metirionic.com
Phone: +49 (0)351 873 2290
www.metirionic.com

Services
MIC221107

A group of four people are working in a modern office. They are seated at a long white desk, each with multiple computer monitors. The person on the far left is a woman with long brown hair, wearing a red top and large white headphones, looking at her monitor. Next to her is a man with a beard wearing a blue shirt, also looking at his monitor. In the foreground, a man with short brown hair wearing a black and white striped shirt is seen from behind, looking at his laptop. To his right, a man with a beard wearing a light grey shirt is looking at his laptop. On the far right, a man with a beard wearing a dark patterned shirt is standing and looking towards the others. The desk is cluttered with various items including cables, a small potted plant, and a white mug. The background shows a bright window with sheer curtains, and the overall lighting is soft and professional.

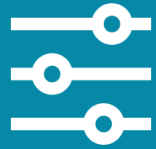
© iStockphoto.com/Alexandru Sava



metirionic
WIRELESS DISTANCE MEASUREMENT

The Metirionic engineering team works to fulfil particular IoT/RTLS needs for several components of the firmware stack, from specification, development and testing to product launch.

We have In-depth knowledge of radio-based distance measurements (IEEE, Bluetooth®, UWB, CWFM RADAR) integrated into communication stacks (Bluetooth®, Bluetooth® BLE, WirelessHART, IP500, ZigBee, 6lowPAN).



PROJECT SERVICES

- Embedded Systems Software Development.
- High-level PC applications (C, C#, Python, Rust, Linux).
- Bare metal firmware solutions.
- Real-time Operating System based firmware solutions.
- Multi-platform high level software solutions.
- Signal processing and multivariate data analysis algorithm development and implementation.
- Development of wireless and optical measurement technology.

Tailored SW project development to fit your requirements, boost your proof of concept and improve your application.

**POOL OF PATENTS
(2013-2022)**



ARCHITECTURE REVIEW

- Digital Signal Processing design review.
- Full characterization of the system architecture and the performance based on requirements and use case.
- Identification of strengths and weaknesses of current solution. Recommendations for optimization and improvement.
- High quality assessment and tailored SW development to achieve the restructuring/implementation of modules according to the specified requirements and acceptance criteria.

Expert set of high-level recommendations report to achieve an optimized and reliable radio-based architecture for your application.

**IOT/RTLS
WIRELESS EXPERTS**



TECHNICAL SUPPORT

- Software and system architecture consulting and definition.
- Development of platform independent extendible data and control interfaces.
- Virtualization with Docker.
- Continues Improvements.
- Licensing with update Services.

Support to maintain the performance of your application resolve issues and bottlenecks.

**EXISTING INDUSTRIAL
DEPLOYMENTS**