

A Maltese company specializing in electronics hardware design and development is seeking international subcontracting partnerships with businesses and research institutions looking to enhance their hardware solutions.

Summary

Profile type	Company's country	POD reference
Business Offer	Malta	BOMT20241216003
Profile status	Type of partnership	Targeted countries
PUBLISHED	Outsourcing agreement	• World
Contact Person	Term of validity	Last update
Noriko MITA	16 Dec 2024 16 Dec 2025	16 Dec 2024

General Information

Short summary

A Maltese company offers services in electronics hardware development, embedded systems and embedded Linux, and video and audio signal processing. The company seeks partnerships with academic institutions, start-ups, private entities, and research labs globally, addressing challenges in transforming prototypes into fully realized products. It drives innovation, growth, and process optimization through expert collaboration and subcontracting agreements.

Full description

This Maltese company comprises a team of highly qualified technical experts with extensive combined experience, offering advanced technical skills across multiple technological domains.

The services are designed to address the specific needs of businesses and institutions across three primary areas:

1. electronics hardware development - comprehensive support is offered at every stage of a project, from initial concept to completion. Services include:
 - o electronics design: creating detailed schematic diagrams.
 - o printed circuit board design: developing single to multi-layered boards.

- o prototyping: rapidly iterating and evolving designs to meet project goals.
- 2. embedded systems and embedded Linux - expertise spans a wide range of embedded systems, offering:
 - o embedded firmware development, supporting bare-metal and real-time operating system environments.
 - o embedded Linux applications and driver development, with customisations using Yocto and Buildroot.
 - o field programmable gate arrays (FPGA) solutions, utilizing very high speed hardware description language (VHDL) and Verilog for custom hardware designs.
 - o hardware and software integration, ensuring seamless coordination and optimized performance across the technology stack.
- 3. video and audio signal processing - advanced solutions are provided for diverse applications, including:
 - o computer vision - utilizing sophisticated algorithms to interpret visual data for automation and decision-making.
 - o radar and lidar signal analysis - supporting applications like object tracking and environmental sensing
 - o audio data processing - covering ultrasonic and audible ranges for precise measurement and actionable insights.

Advantages and innovations

The company's expertise enables seamless integration with diverse technological domains. Solutions incorporate advanced techniques such as algorithms for computer vision and detailed signal analysis, ensuring flexibility, compatibility, and continuous optimization. By leveraging cutting-edge technologies and tailored hardware development solutions, the company empowers businesses and institutions to enhance operational efficiency, automate complex processes and achieve technological objectives. These solutions provide a unique combination of precision, innovation, and reliability, delivering a distinct competitive edge and fostering opportunities for growth and success. The company provides support at all stages of the product life cycle, from idea analysis to full-scale development and a seamless integration within technical departments or acting as an extension of a partner's team. It guarantees expert guidance to ensure projects are optimized for success, efficiency, and innovation.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

No IPR applied

Sustainable Development goals

- **Goal 8: Decent Work and Economic Growth**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Notes

Partner Sought

Expected role of the partner

Collaboration is sought with worldwide partners from the aerospace, automotive, consumer electronics, pharmaceuticals and telecommunications industries, as well as academic institutions and smart cities wishing to enter into a subcontracting agreement for the services offered.

Type of partnership

Outsourcing agreement

Type and size of the partner

- **Big company**
- **SME 11-49**
- **R&D Institution**

Dissemination

Technology keywords

• **01002001 - Micro and Nanotechnology related to Electronics and Microelectronics**

Market keywords

- **09001006 - Airfield and other transportation services**
- **05007002 - Pharmaceuticals/fine chemicals**
- **03008004 - Other electronics related (including alarm systems)**

Targeted countries

• **World**

Sector groups involved

• **Digital**