

Profile View

Details

Title: A Polish company from electronics sector is offering specialised design, manufacturing and engineering services under subcontracting and outsourcing agreements

POD Reference: BOPL20210628001

Summary: A Polish design and manufacturing company from electronics sector is offering a wide range of specialised, innovative services covering 3D design, prototyping, programming, manufacturing, testing and support of certification of electronic devices and industrial automation systems. The company would like to conclude subcontracting and outsourcing agreements.

Description: A Polish company from electronic sector is offering services related to design, prototyping and manufacturing of various devices as well as other, accompanying services, such as programming and testing.

Company's interdisciplinary team allows to offer wide-range of engineering services that include mainly:

- Product development – concept analysis; research and development; 3D CAD design; rapid prototyping and manufacturing optimisation,
- Mechanical design – 3D solid and surface modelling of complex mechanical parts for all manufacturing technologies – machining, additive manufacturing, composites, injection moulding, sheet metal welded assemblies; optimisation of the design to operate at specific, harsh environmental conditions; material selection; complete technical documentation; pneumatics; hydraulics,
- Simulation-driven design - Finite Element Analysis and Computational Fluid Dynamics,
- Electronics design – PCB layouts; electrical documentation; prototyping,
- Industrial automation systems – PLC programming; controlling circuits design; Human-Machine Interfaces and visualisations; integration of sensors and actuators,
- Embedded software programming – C, C++, C#, Python.
- Manufacturing – machining; painting and anodising; sheet metal

cutting, bending and welding; 3D printing; composites; electronics.

- Testing and support in certification processes.

The company has experience in variety of industries but is focused on high-technology sector: arms industry/military, oil&gas, marine industry and aerospace. The goal of the provided services is to support the business partners in development of innovative solutions and to optimise the costs of development and manufacturing.

The exemplary service offered by the company based on previous projects:

- 3D CAD design of machined aluminium radar enclosure with composite radome sandwich panel according to the defined criteria and requirements; complete manufacturing and assembly documentation; manufacturing of prototype and batch production; testing and certification,
- Complex machine design of robotic underwater application for non-destructive testing of subsea pipelines – integration of mechatronic system and components; mechanical and electrical design; complete technical documentation; rapid prototyping,
- Design, programming and integration of on-board automation systems installed on warships,
- Topology optimisation of lattice structured satellite components;
- Electrical design – PCB for Maxon BLDC motors-based control system with battery management and microcontroller for I/O signal processing,
- Finite Element Analysis of load-bearing carriages of the gate of water lock; report with results analysis.

The company is open for various form of cooperation with foreign partners:

- providing subcontracting services in the field of engineering which covers 3D design, prototyping, programming, manufacturing, testing and other accompanying services;
- providing outsourcing services in the format of body leasing – on demand human resources: highly skilled mechanical and electrical

engineers, embedded software programmers or long term cooperation in which partner focuses on one major part of the solution e.g. IT corporation on programming and defining the final application.

Therefore, the company's work scheme is to focus on the major part of a project e.g. design of electro-mechanical components and in the format of Research & Development services is willing to create a sort of consortium with a partner, to develop an innovative product utilising the combined knowledge and experience of both parties.

Advantages and Innovations:

The services provided are supported by the vast experience and know-how gathered throughout the many years of work in the industry. Moreover, interdisciplinary team is capable of developing complex mechatronic solutions and has rich scientific background, which allows tailoring the service to the exact clients' requirements – that saves time, effort and ultimately costs. All the designs are simulation driven which reduces the costs of prototyping. The agile and reliable project management processes support flawless communication and rapid product development.

Keywords

Market Keywords: 03001006 Controllers

03001007 Circuit boards

03001009 Other electronics related (including keyboards)

Partner Sought

Type and Role of Partner Sought:

Company is looking for foreign partners that are willing to contract 3D design, prototyping, development and testing services of various electronic devices under subcontracting services agreement.

The company is also looking for partners that are looking for high-class specialists, such as engineers and programmers to work under outsourcing agreement.

There are no specific requirements for the partners. The specialised know-how and proprietary technology are preferred but certainly not necessary. The better defined the demands of the service the better the results will be, however in many cases all is needed is the definition of the desired function, look or feature of the final product.

Type and Size of >500

Partner Sought: >500 MNE

251-500

SME <10

SME 11-50

SME 51-250

Type of

Partnership

Considered:

Outsourcing agreement

Subcontracting

Client

Type and Size of Client: Industry SME <= 10

Year Established: 2020

Turnover (euro): <1M

Already Engaged in Trans-National No

Cooperation:

Languages Spoken: English

Spoken: Polish

Client Country: Poland