



To Photonics21Secretariat
via eMail: secretariat@photonics21.org

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2024**

Dear Photonics21 Secretariat

On behalf of Polish Technological Platform on Photonics we herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate: **Creotech Instruments S.A**, represented by **Paweł Zienkiewicz**.

Please find below detailed description of the candidate organisation and the candidate representative.

Sincerely,

Maciej J. Nowakowski
Director of Operations
Polish Technological Platform on Photonics



Photonics21 Board of Stakeholders - Letter of Nomination

1. Full legal name of the affiliation nominated as BoS Member (candidate's organisation):

Creotech Instruments Spółka Akcyjna

2. Full contact details of the affiliation (street, postal code, country) nominated as BoS Member and invoice address

Legal / invoicing address:

Creotech Instruments S.A.
Jana Pawła II 66, 05-500 Piaseczno, Poland
Tax ID PL9512244313

Correspondence address:

Creotech Instruments S.A.
Osmańska 14 (bud. Berlin), 02-823 Warszawa, Poland

3. Name of the suggested BoS Representative (the personal candidate)

Paweł Zienkiewicz

a) Description of the activities and information about the expected contribution and value added the nominated BoS member (candidate's organisation) will bring to the BoS

Creotech Instruments is Poland's leading manufacturer of satellite systems and components, as well as advanced electronics for quantum computer control systems and quantum communication and other applications including special cameras for astronomy and quantum. The company is also pursuing the development of unmanned aerial systems delivering hardware and software for, among others, unmanned systems operations management.

The Company operates its electronics manufacturing plants and small satellite integration facilities. Creotech Instruments boasts numerous completed projects for the space sector, including space missions with Creotech-made hardware, also conducted for the European Space Agency.

The Company delivers proprietary solutions to the world's leading research institutions as European Space Agency (ESA), European Organization for Nuclear Research (CERN) in Geneva, GSI Centre for Heavy Ion Research and the DESY Research Centre in Germany.

Creotech Instruments integrates numerous photonics and optical technologies within their space and ground systems – given their experience and expertise they will be a valuable contributor to Work Group 5: Safety, Security, Space & Defense.

Photonics21 Board of Stakeholders - Letter of Nomination

- b)** Description of the activities and information about expected contribution and value added the BoS Representative (candidate / person) will bring to the BoS.

Paweł Zienkiewicz is a Chief Technology Officer (CTO) at Creotech Instruments S.A. Paweł is an engineer with over 15 years of professional experience, working in Creotech Instruments S.A. since nine years. At the company, he is responsible for creating strategies for the development of technological competencies and indicating business directions in the area of new product development.

Before becoming a director, he held key positions in the departments responsible for Business Development of the quantum systems and scientific area, project management and engineering. In recent years, he has sourced and delivered numerous projects, in particular, related to:

- single-photon sensors for **QKD**
- advanced astronomical and scientific cameras for error correction in quantum computers
- other advanced solutions that are currently very fast-growing areas of business and technology.

It is also worth mentioning his participation in space projects, in particular the ESA **Juice mission**, which was launched this year towards Jupiter and represents one of the agency's most ambitious undertakings of recent years.

Before his work at Creotech Instruments S.A., he participated in many projects for high-energy physics requiring an interdisciplinary approach and openness to modern, advanced technological solutions. In particular, noteworthy projects include:

- construction of a plasma tomography system based on soft X-rays for diagnostics of the WEST fusion reactor within the Eurofusion organisation
- construction of a beam trajectory measurement system for the particle accelerator for the GSI Institute in Germany
- a medium voltage section monitoring system for the MAST fusion reactor located in the UK.

He has also participated in many other projects requiring an interdisciplinary approach and openness to modern, advanced technological solutions.