



To Photonics21Secretariat  
via eMail: [secretariat@photonics21.org](mailto:secretariat@photonics21.org)

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

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate:  
**STARTOVA Sp. z. o. o.** represented by **Piotr Kolenderski**.

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

Sincerely,

Alina Jaworska  
CEO  
STARTOVA Sp. z. o. o.

## Photonics21 Board of Stakeholders - Letter of Nomination

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

STARTOVA Sp. z o.o

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

ul. Jurija Gagarina 7  
87-100 Toruń, Poland

VAT ID: PL9562306571

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

Piotr Kolenderski

**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**

The main mission of Startova.pl sp. z o.o. is to commercialize knowledge and develop forms of cooperation between science and business. Cooperation between scientists and entrepreneurs not only promotes the development and innovation of companies, but also leads to the creation of new scientific solutions. Startova.pl sp. z o.o. facilitates the dialog between scientists and companies, as well as between different scientific units of the University of Nicolaus Copernicus. The aim is to increase the number of interdisciplinary projects between scientists and companies. We also help to assess the commercial potential of research projects carried out by scientists from Toruń and Bydgoszcz.

STARTOVA.PL Sp. z o.o., as a Special Purpose Vehicle of the Nicolaus Copernicus University in Toruń (NCU), has the possibility to use its resources, both human and infrastructural. The framework agreement for the lease of laboratory space and research infrastructure signed between STARTOVA.PL and the Faculty of Physics, Astronomy and Informatics of NCU enables the use of all necessary laboratory resources, including the resources of the National Laboratory of Atomic, Molecular and Optical Physics (KLFAMO). The NCU in Toruń has local access to high-performance computers, which may be needed for testing the demonstrator.

The STARTOVA.PL team has extensive expertise in quantum optics and quantum technology, with leading researchers and engineers on board. Their deep knowledge and experience in these fields make them a valuable asset to Working Group 5: Security, Space & Defence, Working Group 7: Core Photonics, and Working Group 1: Digital Infrastructure. With a proven track record in cutting-edge projects, STARTOVA.PL is well positioned to make a significant contribution to the advancement of these strategic areas.

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

Piotr Kolenderski, the candidate for the role of BoS Representative, will bring a wealth of experience and expertise in quantum technology, particularly in the areas of entanglement generation and satellite quantum communications. With a proven track record in numerous high-profile research and R&D projects, they have demonstrated leadership in cutting-edge initiatives.

These include the development of single-photon technologies, supported by the First Team program of the Foundation for Polish Science, focused on satellite and fiber-based quantum communications and quantum information processing. Other notable projects under her leadership include the development of time-resolved single-photon detection systems, the establishment of the National Center for Satellite Quantum Communication in cooperation with NCAC Warsaw, and the leading of initiatives within the National Laboratory of Quantum Technologies.

In addition, the candidate has led several ESA projects, including the development of optical setups for communication terminals and detectors for high-rate quantum key distribution. His expertise also extends to theoretical research, such as quantum optical coherence tomography using AI within the HORIZON program.

Given his extensive experience, the candidate is well positioned to make invaluable contributions to the BoS, particularly in advancing quantum technologies, enhancing R&D capabilities, and fostering innovation in space and defence communications.