



To Photonics21 Secretariat  
via eMail: [secretariat@photonics21.org](mailto:secretariat@photonics21.org)

Dear Photonics21 Secretariat,

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate  
Officina Stellare SpA / Dr. Federico Pettazzi.

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

## Photonics21 Board of Stakeholders - Letter of Nomination

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

Officina Stellare SpA

### 2. Full contact details of the affiliation (street, postal code, country) nominated as BoS Member and invoice address *(In accordance with the Terms of Reference §5, which the Affiliation acknowledges having received, an Annual Service fee will be invoiced every year during the first quarter to the BoS Member. By signing the present letter, the BoS candidate agrees to pay this Membership Fee. The Fee will be considered an asset of the Photonics 21 AISBL in accordance with its statutes (article 12b).)*

Via della Tecnica 87-89, Sarcedo, Vicenza 36030, Italia  
VAT IT03546780242 | phone +39 0445370540 | info@officinastellare.com

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

Dr. Federico Pettazzi

### 4. Information about the BoS candidate and the BoS representative

#### 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<sup>1</sup>

Officina Stellare S.p.A. is a global leader in the design, development, and supply of advanced optical systems and instrumentation for terrestrial, aerospace, and space applications, including photonics. Established in 2009, the company is headquartered in Sarcedo (VI) and has been listed on the Euronext Growth market of Borsa Italiana (OS.MI) since 2019.

As a vertically integrated company, Officina Stellare manages all critical stages of product development in-house, from design and production to integration and testing, ensuring complete control over the entire process. This capability positions the company as a standout in the global industrial sector, offering expertise in both commercial off-the-shelf (COTS) solutions, as well as custom-designed products tailored to specific customer needs, whether for limited production runs or bespoke units.

Officina Stellare is at the forefront of multiple projects with the European Space Agency, the Italian Space Agency, and commercial clients, delivering fully integrated Optical Ground Stations for both Classical Laser Communications and Quantum Communications, Astronomy, Research and Laser Ranging. Moreover Officina Stellare is leader in the design and production of Space Optomechanical Instruments for Earth Observation.

---

<sup>1</sup> The candidate is aware and accepts that according to the Photonics21 Terms of Reference (§ 5 (10) a membership fee - as determined by the General Assembly of the Association - needs to be paid to the Photonics21 association.

## Photonics21 Board of Stakeholders - Letter of Nomination

Officina Stellare is a prominent industrial player operating globally, with strong roots in the European Union market and ecosystem. The company stands out for its extensive and cross-cutting application of advanced optical and photonics technologies, utilizing them in new and underdeveloped applications. This ability to integrate innovative solutions allows Officina Stellare to significantly enrich the Photonics21 platform, providing substantial added value and contributing to its mission.

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

Dr. Federico Pettazzi currently serves as the Head of the LaserComm System Engineering Department at Officina Stellare, where he oversees all company activities within the LaserComm sector and contributes to shaping the company's strategic approach to the market. In addition, he serves as the technical lead on several Optical Communication projects with both institutional and commercial partners.

Prior to joining Officina Stellare, Dr. Pettazzi worked as an Optical System Engineer at TNO, where he contributed to various projects in the fields of lithography, Earth observation, and laser communication. During this time, he played a key role in advancing technologies in photonic integrated circuits, optics, and laser science.

Before his tenure at TNO, Dr. Pettazzi worked as an Optoelectronics Engineer at the European Space Agency (ESTEC), within the Optoelectronics Section. There, he supported one of the most challenging Earth observation missions to date—AEOLUS—focusing on performance verification, particularly in the areas of high-power laser systems and qualification testing.

Over the course of his career, Dr. Pettazzi has gained extensive experience in bulk optics, integrated photonics, and fiber optics. He brings this expertise to the Photonics21 Board of Stakeholders, where he actively contributes to shaping the future of the technology sector. Additionally, he provides the unique perspective of Officina Stellare S.p.A., a rapidly growing small-to-medium enterprise operating at the forefront of Earth observation, laser communication, and quantum key distribution.

Thanks to his extensive expertise and his passion for education, research and development and product development, we reckon Dr. Pettazzi would provide a concrete added value to the Photonics21 Platform and its mission and objectives.

Best regards,  
Gino Bucciol, VP Business Development, Officina Stellare SpA.