



To Photonics21 Secretariat
via eMail: secretariat@photonics21.org

Dear Photonics21 Secretariat,

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

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2025**

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§ 5 BOARD OF STAKEHOLDERS (6) b....A candidate nomination will always contain the name of the candidate organisation together with its proposed BoS Representative and voting on a candidate implies voting on this combination.

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).)*

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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

Extract Photonics21 Terms of Reference¹: “§ 5 BOARD OF STAKEHOLDERS; ... (6) Election of BoS Members: “Description of the activities of, and information about the added value and contribution to the BoS by both the nominated BoS member 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 BoS²

[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

¹ Photonics21 Terms of reference are available at http://www.photonics21.org/download/general_inf/TermsofReference/ETPPhotonics21TermsofReference.pdf

² 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.

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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

- 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 acts as Head of the LaserCom System Engineering Department at Officina Stellare, where he oversees all company activities within the LaserCom sector and contributes to shaping the company's strategic approach to the market. In addition, he operates 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.]

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Final information from the Photonics21 secretariat:

- *We recommend limiting the BoS nomination letter to 3-4 pages max.*
- *Letters of nominations should be submitted electronically to secretariat@photonics21.org*
- *It is highly recommended to consult the [Photonics21 Terms of Reference](#) before submitting the nomination.*
- *Please note that the deadline for providing BoS nominations to the Photonics21 Secretariat is **21 September 2024**.*