



# Photonics and Quantum Technologies for Sustainable Industry

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Funded by  
the European Union





## Photonics and Quantum Technologies for Sustainable Industry



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**4Y** (11/2024 – 11/2028)

Total Budget ~**€5M**

Empower **SMEs** to achieve **sustainability, resilience and global competitiveness** through the uptake of **Quantum and Photonics** technologies.





## Photonics and Quantum Technologies for Sustainable Industry



Let's Make Optics for the Future  
Together.



**Photonics and Quantum Clusters**  
**Research and Technology Organisations**  
**Specialised Consultancies**

**9 EU Member States**

## Opportunities for SMEs

**VISION:** building a **sustainable and interconnected** European innovation ecosystem where **photonics and quantum technologies** are fully integrated into industrial value chains, **driving green transition, technological sovereignty, and economic growth.**

- **Advisory Services** in Innovation, Technology and Sustainability
- **Financial Support** of €3M, distributed via 4 Open Calls
- **Matchmaking and Ecosystem Building** via 7 Matching Missions

## ADVISORY SERVICES



**Innovation Support**



**Technology Support**



**Sustainability Transition Support**

[photonqboost.eu/services/](https://photonqboost.eu/services/)



**OPEN CALLS**

**€3M+ in FSTP**

**Matching  
Missions**

**Solutions**

**Pilots**

**Trainings &  
Services**



## OPEN CALL

For Solutions, Missions, Trainings and Services

- **Opening:** NOV 17.2025
- **Deadline:** JAN 19.2026
- **Total Budget:** €728,800
- **Max FSTP per SME:** €50,000
- **Target:** SMEs **operating** in the Photonics or Quantum sectors **or integrating** these technologies into their business activities.



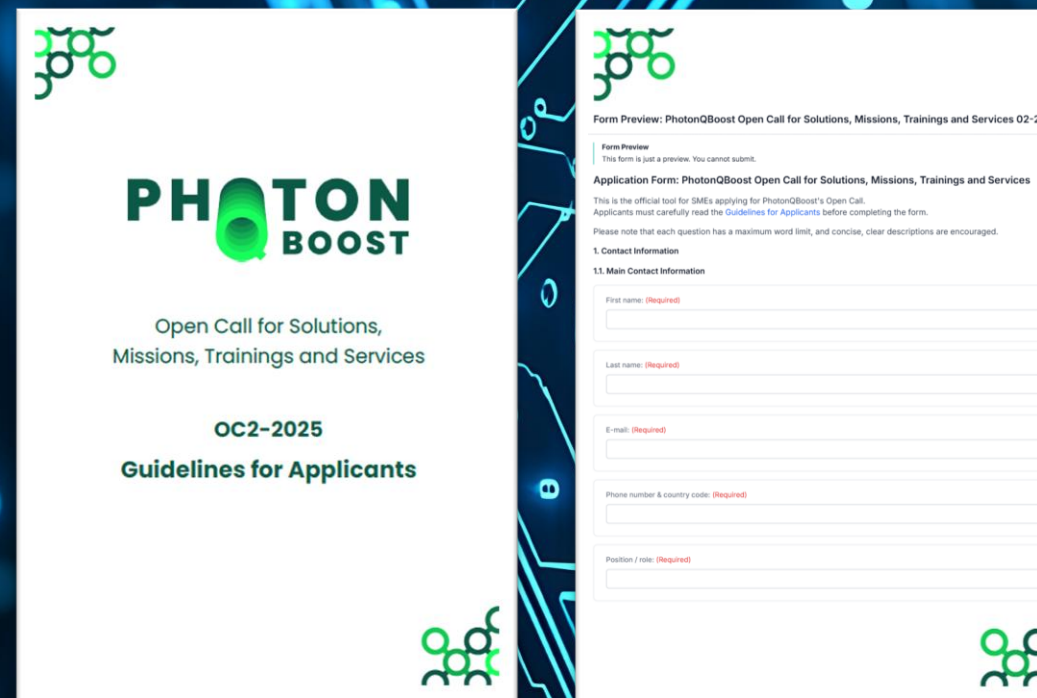
## OPEN CALL

### For Solutions, Missions, Trainings and Services

✓ **Guidelines for Applicants**

✓ **Application Form**

[photonqboost.eu/open-call-ii/](https://photonqboost.eu/open-call-ii/)

The image shows a preview of the PhotonBoost Open Call application form. The left side is a white document with the PhotonBoost logo at the top, followed by the text "Open Call for Solutions, Missions, Trainings and Services" and "OC2-2025 Guidelines for Applicants". The right side is a screenshot of the online form interface, which includes a "Form Preview" header, a disclaimer, and a section for "1. Contact Information" with fields for first name, last name, email, phone number, and position, all marked as required.



## **SOLUTIONS**

**Up to €40k**

**To develop Photonics and/or Quantum challenge – oriented solutions.**

- **Advanced Manufacturing**
- **Agrifood**
- **Life Science and Health**
- **Mobility**
- **Digital Technologies**

**21**  
**Challenges**



**TRL: 4 to 8**

## **SOLUTIONS**

**Up to €40k**

- **15 SMEs**
- **Up to 2 SMEs can require funding**  
Up to 40k each  
Each one should submit their own application
- **Other partners**  
Letter of Commitment

**Supported by Project Partners**

**Lump Sum**

**Payments associated to KPIs on  
M1, M3, M6**

## MISSIONS

**Up to €1440**



### **Czech Republic – Prague**

**24/03 to 26/03 – 610€**  
**Manufacturing and Industrial Optics**



### **Germany – Stuttgart**

**08/10 to 09/10 – 830€**  
**Mobility**



# MISSIONS

**Up to €1440**

- **STRATEGIC EXPOSURE**



**Gain direct access to key players in the innovation ecosystem**

**20 SMEs for  
each Mission**

- **NETWORKING AND VISIBILITY**



**Present your organisation and discover collaboration opportunities**

**2 Persons  
per SME**

- **EXPERT GUIDANCE**



**Grow your business with tailored support services**

**Slots available  
for  
Non-SME or  
Non-funded  
participants**

- **ACCESS TO FUNDING**



**Access to future financial support**

## TRAININGS AND SERVICES

**Up to €10k**

**For training and services that enhance SMEs resilience and/or sustainability.**

✓ PhotonQBoost's Service Portfolio

**Examples of eligible activities include:**

- Software development
- Standards and certifications
- Sustainability audits
- Specialised consultancy or coaching
- Etc.



**15 SMEs**

## ELIGIBILITY CRITERIA

- a)** The SME exists as a legal entity.
- b)** The SME meets the European Union's definition of a Small and Medium-Sized Enterprise.
- c)** The SME was established before July 17th, 2025.
- d)** The SME is registered in a European Union Member State, or Horizon Europe Associated Countries.
- e)** All the required fields in the application form are completed in English, and all documentation required in the application form is provided.
- f)** The SME and its representatives have no conflict of interest with PhotonQBoost consortium partners.
- g)** For the Solutions Grant: the solution must be between TRL 4 to 8.
- h)** For the Missions Grant: the SME must not be legally established in the host country of the respective mission.
- i)** The proposal has not already been partially or fully funded by another open call.
- j)** The proposals do not exceed the funding request upper limit of € 50,000 per SME.



## EVALUATION

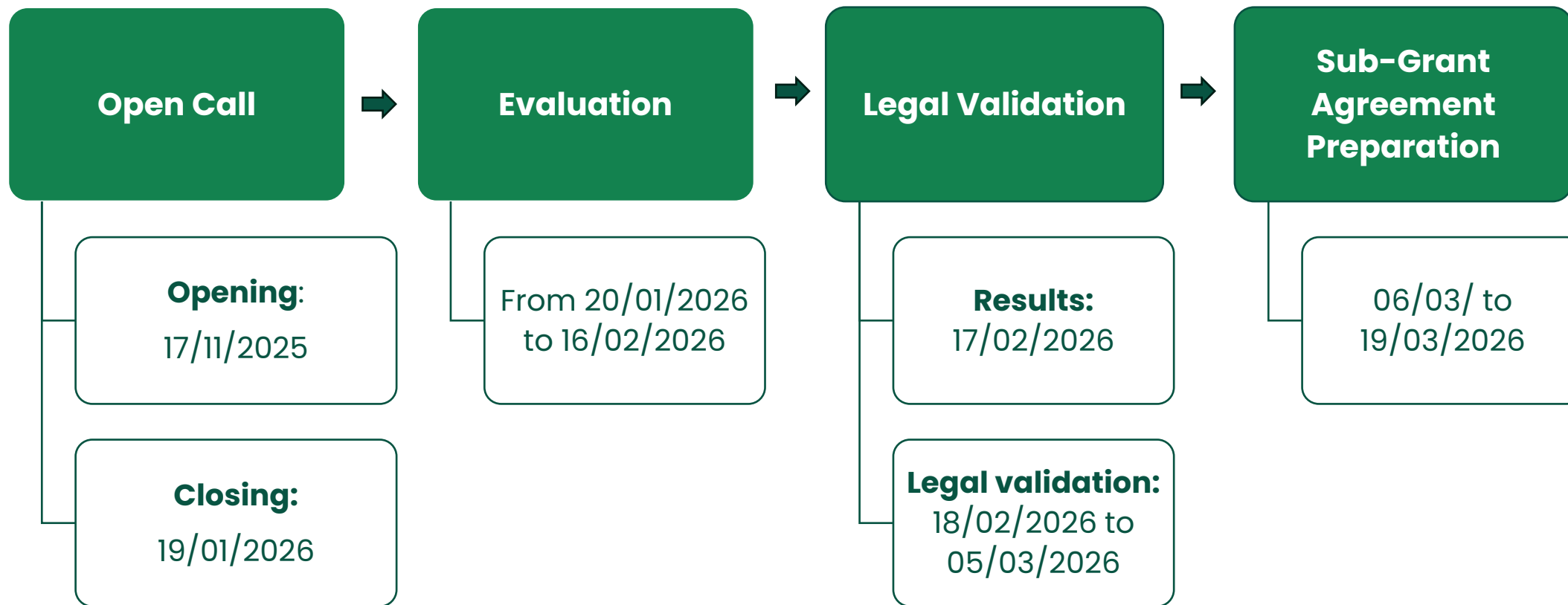
Criteria	Description	Weight
Impact	<ul style="list-style-type: none"> <li>• Qualitative and quantitative impact across the triple helix (economic, environmental, and social).</li> <li>• Reductions in energy consumption and greenhouse gas emissions.</li> <li>• Productivity and/or resilience gains.</li> <li>• Impact in the Photonics and Quantum industries.</li> </ul>	25%
Excellence	<ul style="list-style-type: none"> <li>• Technical quality of the presented solution including brief analysis of State of the Art and/or competitors in the market.</li> <li>• Soundness of objectives and need of the proposed project.</li> </ul>	35%
Implementation	<ul style="list-style-type: none"> <li>• Quality and feasibility of workplan presented.</li> <li>• Quality and capacity of the team in the proposal.</li> </ul>	40%

- Evaluation Criteria**

Score	Rating	Description
0	Not Addressed	The response does not address the criterion or is entirely inadequate.
1	Inadequately Addressed	The response is unclear or off topic; significant improvement is needed.
2	Partially Addressed	The response touches on the criterion but lacks detail or clarity.
3	Adequately Addressed	The response meets basic expectations but could be strengthened.
4	Well Addressed	The response is clear and relevant, with only minor improvements needed.
5	Exceptionally Addressed	The response fully meets or exceeds expectations; no improvements needed.

- Scoring System**

## TIMELINE





# Any questions?

**PhotonQBoost Helpdesk**

[photonqboost@eura-ag.de](mailto:photonqboost@eura-ag.de)



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## Application & Further Info

**SMEs** from EU & Horizon Europe Associated Countries  
Established before July 17th, 2025 (among other criteria)  
Can apply until **January 19<sup>th</sup> 17:00 CET**



- ✓ Guidelines for Applicants
- ✓ Application Form



[photonqboost.eu/open-call-ii/](https://photonqboost.eu/open-call-ii/)