



CZECH  
OPTICAL  
CLUSTER

*Let's Make Optics for the Future.  
Together.*

# Action Plan of the Czech Optical Cluster 2026

Main theme: CZECH OPTICS FOR THE FUTURE

# 1

## Prestige and Competence

**Goal: develop the Czech optical community and strengthen the prestige of COC**

- We will make use of existing strategic connections (Photonics21, PhotonQboost, LASER-PRO, Confederation of Industry of the Czech Republic, Defence and Security Industry Association, etc.).
- We will promote the activities of the cluster through articles (website, LinkedIn, etc.) and by leveraging the potential of signed memoranda.
- We will popularize optics among students by developing offers of internships, practical placements and thesis topics from members on the COC website.
- We will further develop the EduTech concept supporting technical education and cooperation with schools.
- We will demonstrate that COC is the partner of first choice in the Czech Republic for foreign companies, R&D institutions and other clusters.
- We will obtain the Cluster Excellence Silver Label.

# 2

## Information and Opportunities

**Goal: know each other better and help members find new business opportunities and collaborations**

- Promotional materials about the cluster and its technological pillars – technological profiles of members and description of cluster pillars and membership.
- Presentation of individual members in the newsletter and on LinkedIn.
- Presentation of the potential and capabilities of cluster members to European partners in connection with Horizon projects PhotonQboost and LASER-PRO.
- Update and improvement of the cluster website.
  - Media section highlighting articles about members.
  - Platform for sharing internships, student theses and similar opportunities.
  - Shared calendar.
- Workshops and international networking:
  - Internal networking events – 02/2026, 05/2026, 10/2026
  - PhotonQboost and LASER-PRO matching mission – Manufacturing to the Czech Republic – 24–26 March 2026
  - Space technology workshop – 05/2026
  - Microscopy conference – Rožnov pod Radhoštěm – 1–3 June 2026 (COC partner, main organizer: Czechoslovak Microscopy Society)
  - Photonics21 meeting – 9–10 June 2026
  - LASER-PRO annual conference – 06/2026
  - Czech–Polish–Slovak Optical Conference – 09/2026
  - Military conference – Brno – 23–24 September 2026
  - PhotonQboost matching mission – Mobility to Germany – 8–9 October 2026
  - Correlative Material Characterization 2026 – Dresden – 10/2026
  - Robusta 2026 – 11–12 November 2026 – laser conference (COC partner, main organizer: HiLASE)
  - Laser 66 – 11/2026 (COC partner, main organizer: Institute of Scientific Instruments)
  - Members meeting and cluster workshop – 11/2026
- International exhibitions and events:
  - OPIE – 23–25 April 2026 – Yokohama, Japan

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## Trends

**Goal: support R&D cooperation among members and partners**

- Analysis of technological trends within the cluster's technology pillars.
- Joint coordination and cooperation in implementing the National Semiconductor Strategy.
- Joint coordination and cooperation in implementing the National Quantum Strategy.
- Encouraging stronger cooperation between members so that R&D institutions are aware of member capabilities and involve them in projects.
- Strengthening collaboration with European partners through Horizon projects PhotonQboost and LASER-PRO (matchmaking missions, etc.).

4

## Finance

**Goal: secure new funding sources**

- Use of national and regional grants.
- Mapping additional financial sources such as Horizon programmes.
- Services including conference fees and sponsorship.

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## Internationalization

**Goal: support international cooperation**

- International networking activities.
  - Japan – 04/2026
  - Germany – 10/2026
- Offering cluster members opportunities arising from Horizon projects PhotonQboost (missions, financial support) and LASER-PRO (staff exchanges and financial support).



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