



# PhotonHub Europe®

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## PHOTONICS INNOVATION HUB FOR EUROPE

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PHOTONICS<sup>21</sup>

PHOTONICS PUBLIC PRIVATE PARTNERSHIP

# PHOTONICS

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The science and technology that innovates  
with the unique properties of light.



# Photonics A key digital technology



Optical Telecom



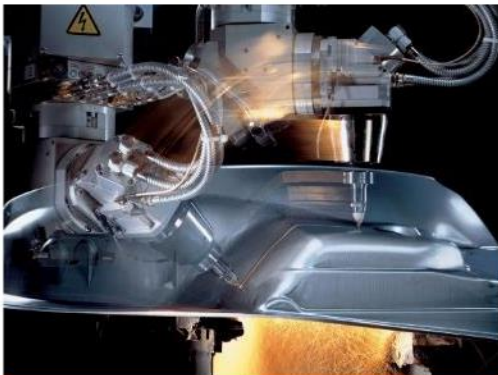
Photovoltaics



LED Lighting



Displays



Lasers in Manufacturing



Medical Optics



Machine Vision



Optical Components



# Photonics Application domains



Energy



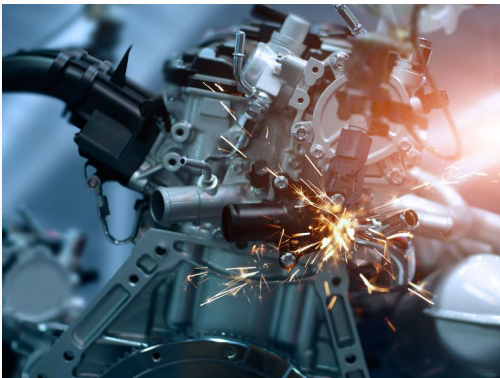
Mobility



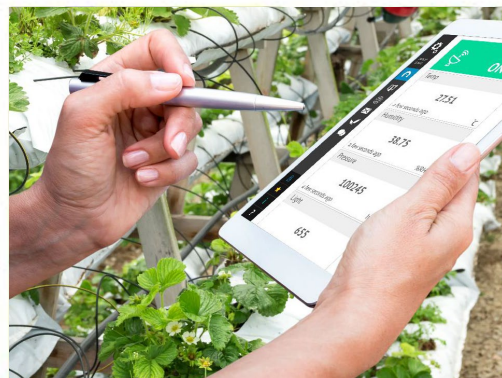
Digital Infrastructure



Biomedical



Industry 4.0



Agro-food



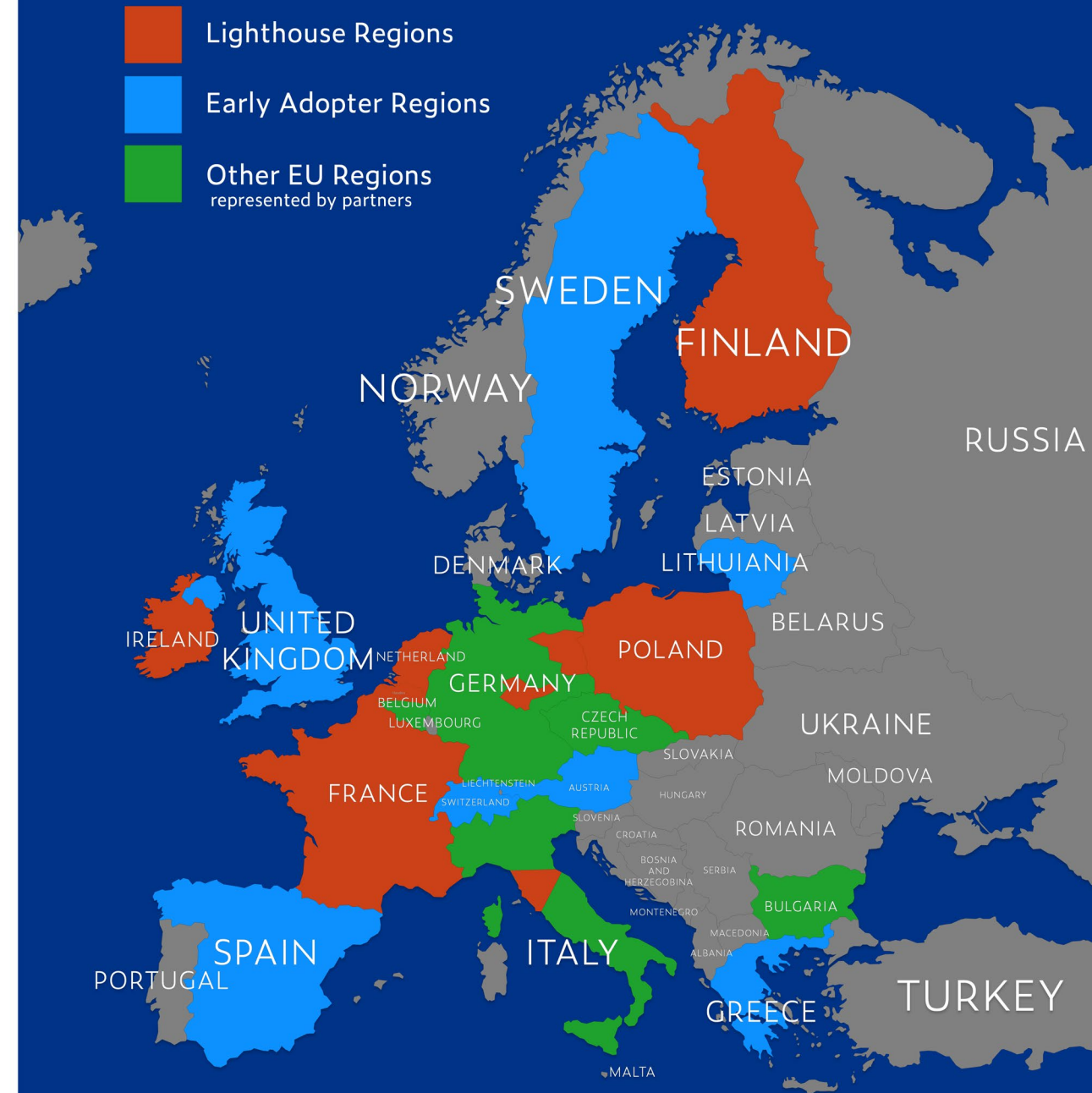
Safety, Security, Space  
and Defence



**PhotonHub  
Europe®**

**500+ EXPERTS**  
**15 MEMBER STATES**

**36 Technology Support Partners**  
**20 Local Photonics Hub Partners**  
**+6 Business Support Partners**







**PhotonHub  
Europe®**

**Spain**

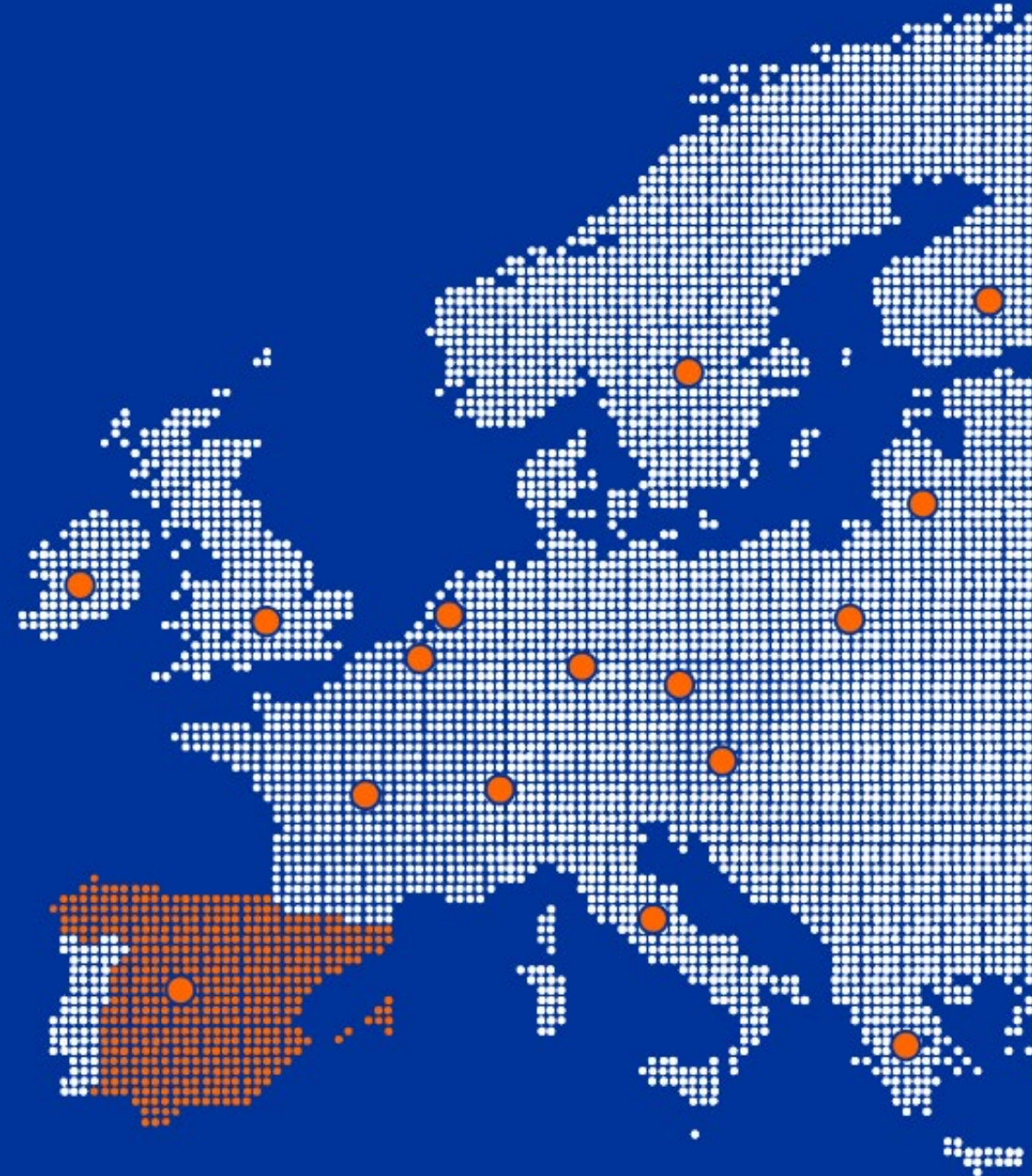
**5 Technology Support Partners**



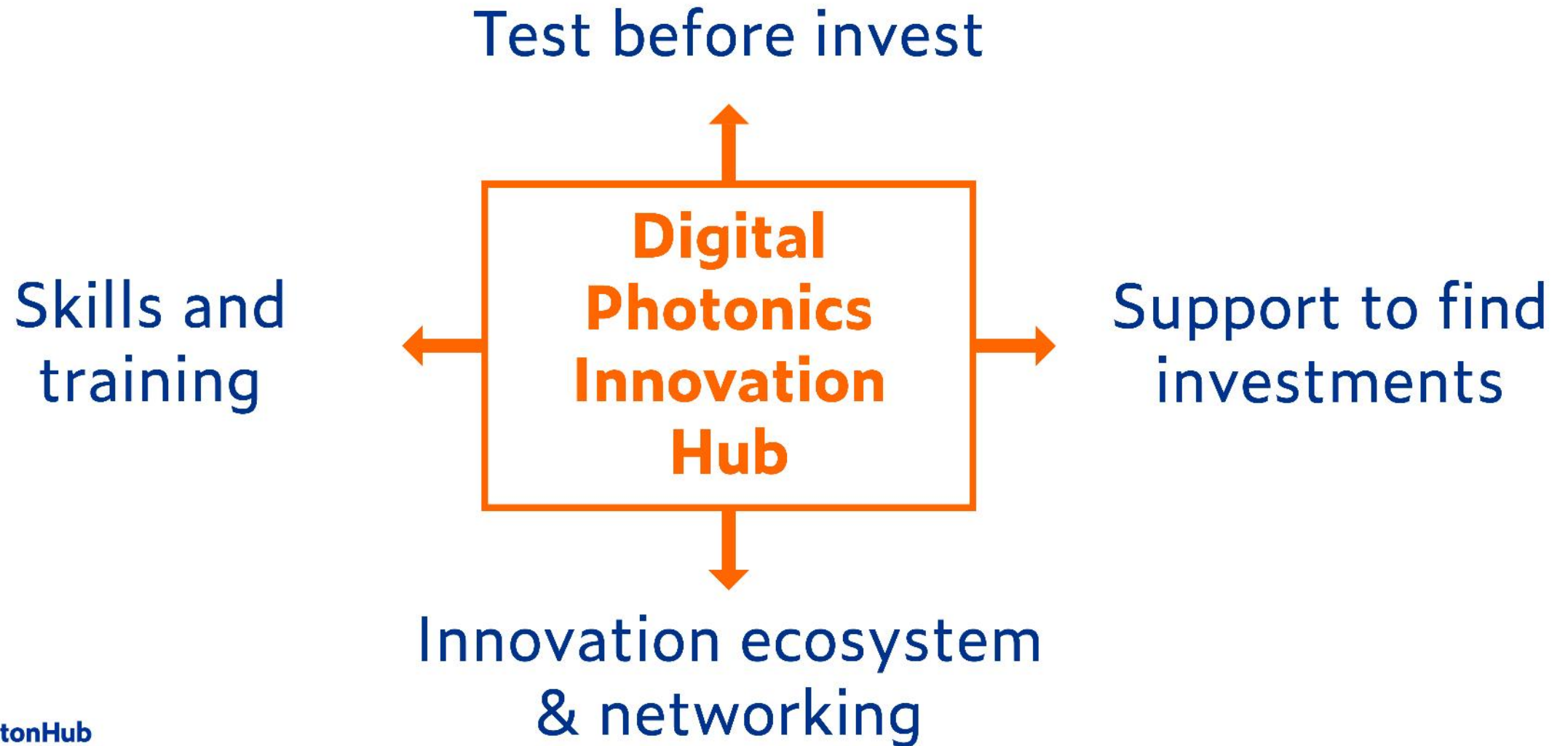
UNIVERSITAT  
POLITÈCNICA  
DE VALÈNCIA



**2 Local Photonics Hub Partners**



# Single One-Stop-Shop



# A Pan-European One-Stop-Shop Photonics Innovation Hub

**PhotonHub Support Activities**



Orienteering



Training  
& Reskilling



Deep  
Innovation  
Support

TRL3-8



Business  
Coaching



Investment  
Coaching



Regional  
Support



- You can meet us
  - At Industry Exhibitions
  - At Industry Brokerage events
- You can contact our one-stop-shop Front Office Gateway in Brussels

PhotonHub Support Activities

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# ORIENTEERING



- We offer General Introduction to Photonics for SMEs, First users and Early Adopters
- We provide an online Catalogue of Existing Training Offerings
- We welcome you at our Demo Centres and Experience Centres
- We offer Train-the Trainers Programmes for Professional and Vocational Training Centres

PhotonHub Support Activities

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# TRAINING & RESKILLING





**We provide Accelerating Technology Innovation Support  
for companies from Prototyping to Upscaling and Manufacturing**

- **Prototyping through Innovation Projects TRL3-4**
- **Upscaling involving EU Pilot-Line Facilities TRL5-6**
- **Manufacturing in Europe TRL7-8 through Brokerage**

PhotonHub Support Activities

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**DEEP INNOVATION  
SUPPORT**



- **First-Level Investment-Readiness Coaching for Companies Deploying Photonics Technologies**
- **Intensive Investor Pitching and Matchmaking Support for High-Potential Start-Ups and Scale Ups**
- **“European Photonics Venture Forum” for photonics start-ups and scale-ups**
- **“Investor Days” for photonics-enabled start-ups and scale-ups**

PhotonHub Support Activities

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# **INVESTMENT & BUSINESS COACHING**





- We Create New Local Photonics Innovation Hubs Covering Most Regions of Europe
- We Connect the PhotonHub Network with complementary DIHs



PhotonHub Support Activities

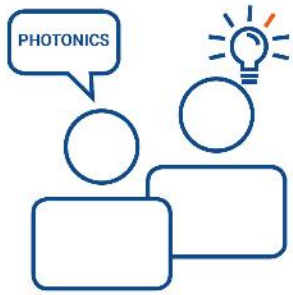
# REGIONAL SUPPORT



# PhotonHub Europe Key Principles

- Support European SMEs with photonics innovation **driven by their business needs**
- Local support where possible, **local innovation projects funded by local means**
- Cross-border support where needed, **cross-border projects funded by PhotonHub**
- Access to pilot-line facilities for first-time users funded through **cascading funds**
- Team up and co-fund as much as possible with existing programs: **EEN brokerage events, Innovation Days, Trainings, Venture Capital Forums**





**100,000+ European companies**  
with raised awareness of  
photonics innovation potential



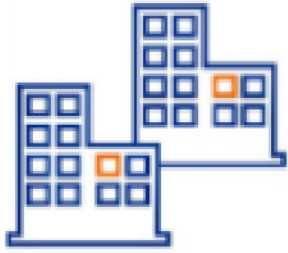
**5,800 companies visiting**  
the Demo and Experience  
Centres



**€ 742 M new company  
revenues** directly linked  
to innovation support



**€ 92 M new venture capital**  
raised by EU start-ups directly  
linked to photonics prototyping  
and investor matchmaking support



**90% of companies** benefiting from expert personalised orienteering are **SMEs**



**€ 100 M new business** for EU photonics manufacturers directly linked to innovation support



**1,080 new high-tech EU jobs** directly linked to innovation support



**€ 36 M new growth capital** raised by EU scale-ups directly linked to photonics upscaling/manufacturing



**170 new photonics-enhanced products** developed and manufactured in the EU directly linked to innovation support





**€ 75 M allocated in regional grants** for local photonics innovation support to 100 companies directly linked to PhotonHub coaching and scouting support



**5 new local photonics innovation hubs** created across the European regions by 2025



**7 EU regions each commit € 500 K** annually from 2025 onwards for the financial support of cross-border photonics innovation projects



**40 founding partners** establish the PhotonHub Europe Association by 2024 that seamlessly and durably continues the photonics innovation support offerings of PhotonHub



Business plan that underpins the long-term sustainability of PhotonHub Europe with **break-even status already in YEAR 1.**



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MORE INFO

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**PHOTONHUB.EU**





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