



PhotonHub Europe[®]

PHOTONICS INNOVATION HUB FOR EUROPE



 **PHOTONICS²¹**

PHOTONICS PUBLIC PRIVATE PARTNERSHIP



PhotonHub
Europe®

PHOTONICS

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

Photonics A key digital technology



Optical Telecom



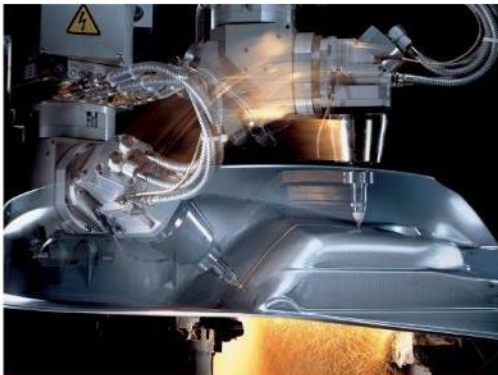
Photovoltaics



LED Lighting



Displays



Lasers in Manufacturing



Medical Optics



Machine Vision



Optical Components

ENERGY



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MOBILITY



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DIGITAL INFRA- STRUCTURE



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BIO- MEDICAL



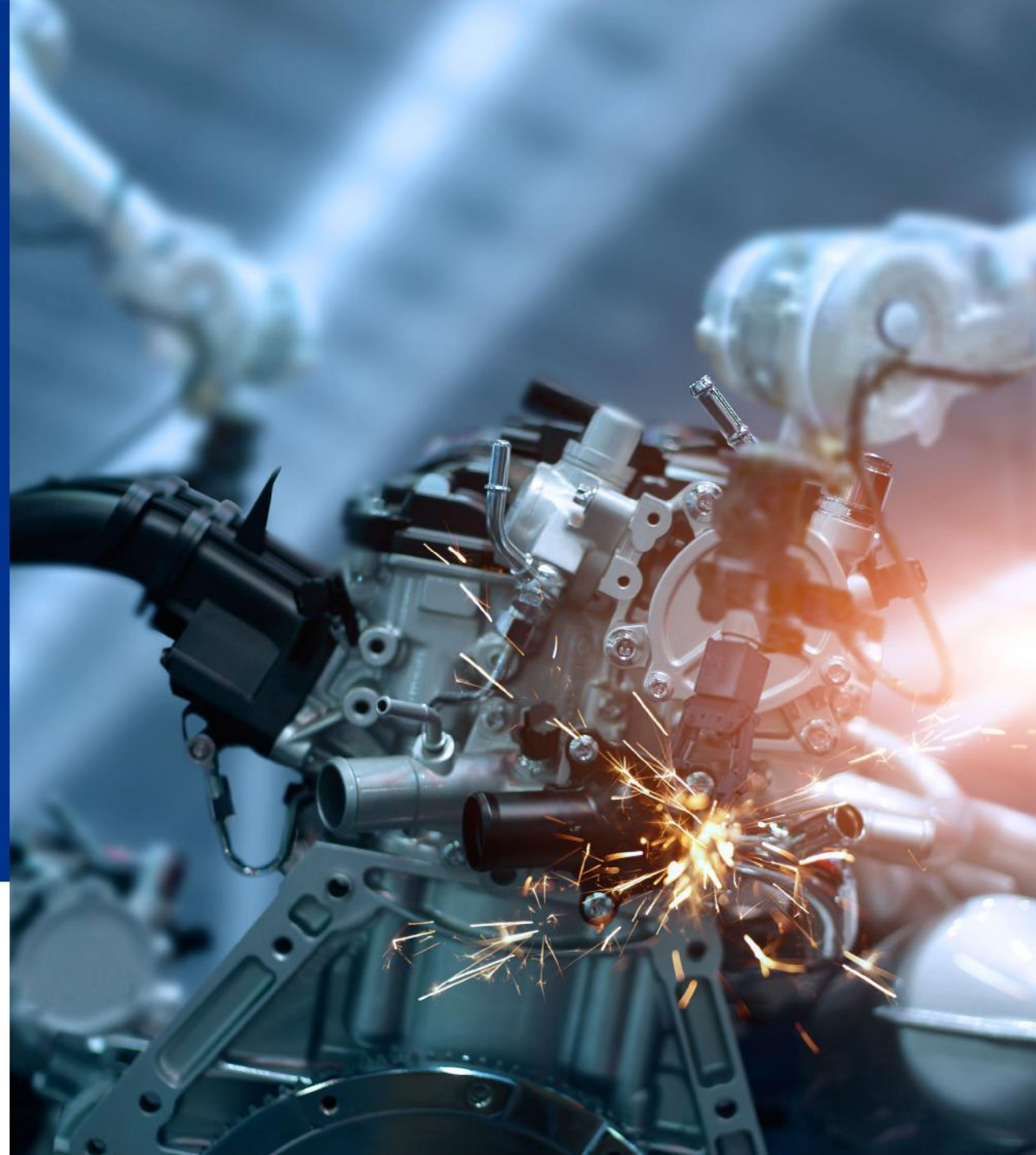
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MANU- FACTURING INDUSTRY 4.0



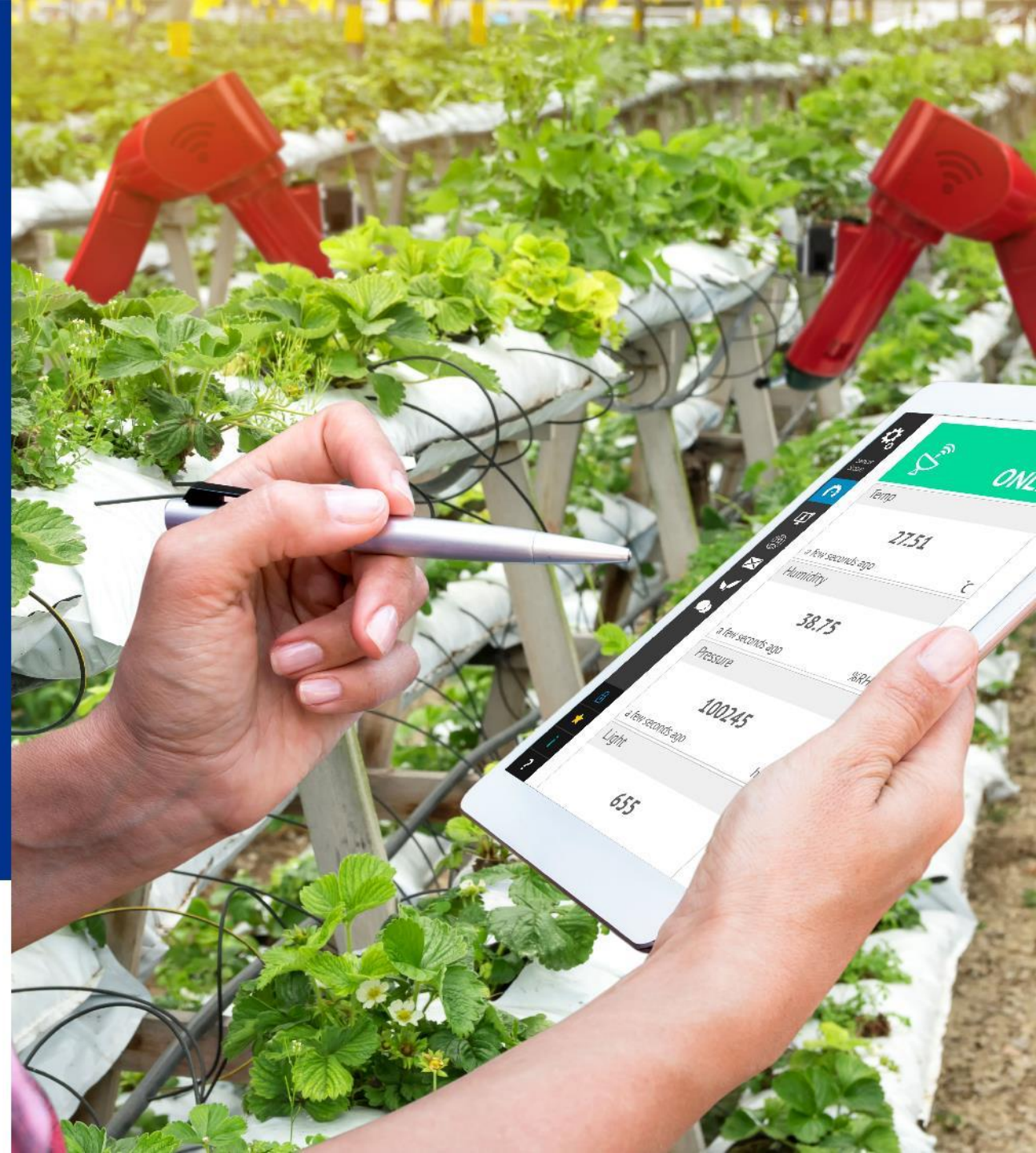
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AGRO- FOOD



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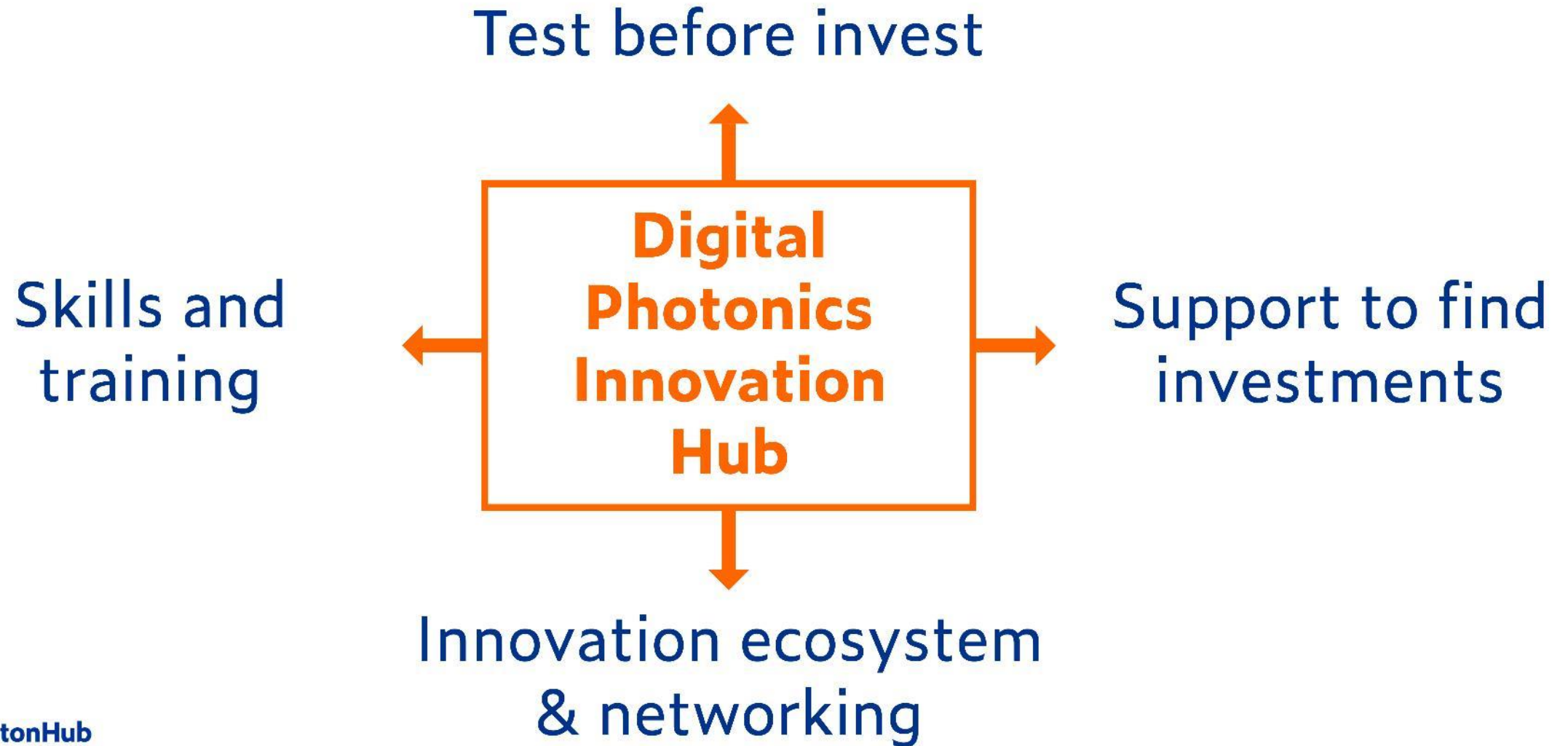
SAFETY SECURITY SPACE DEFENCE



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Single One-Stop-Shop

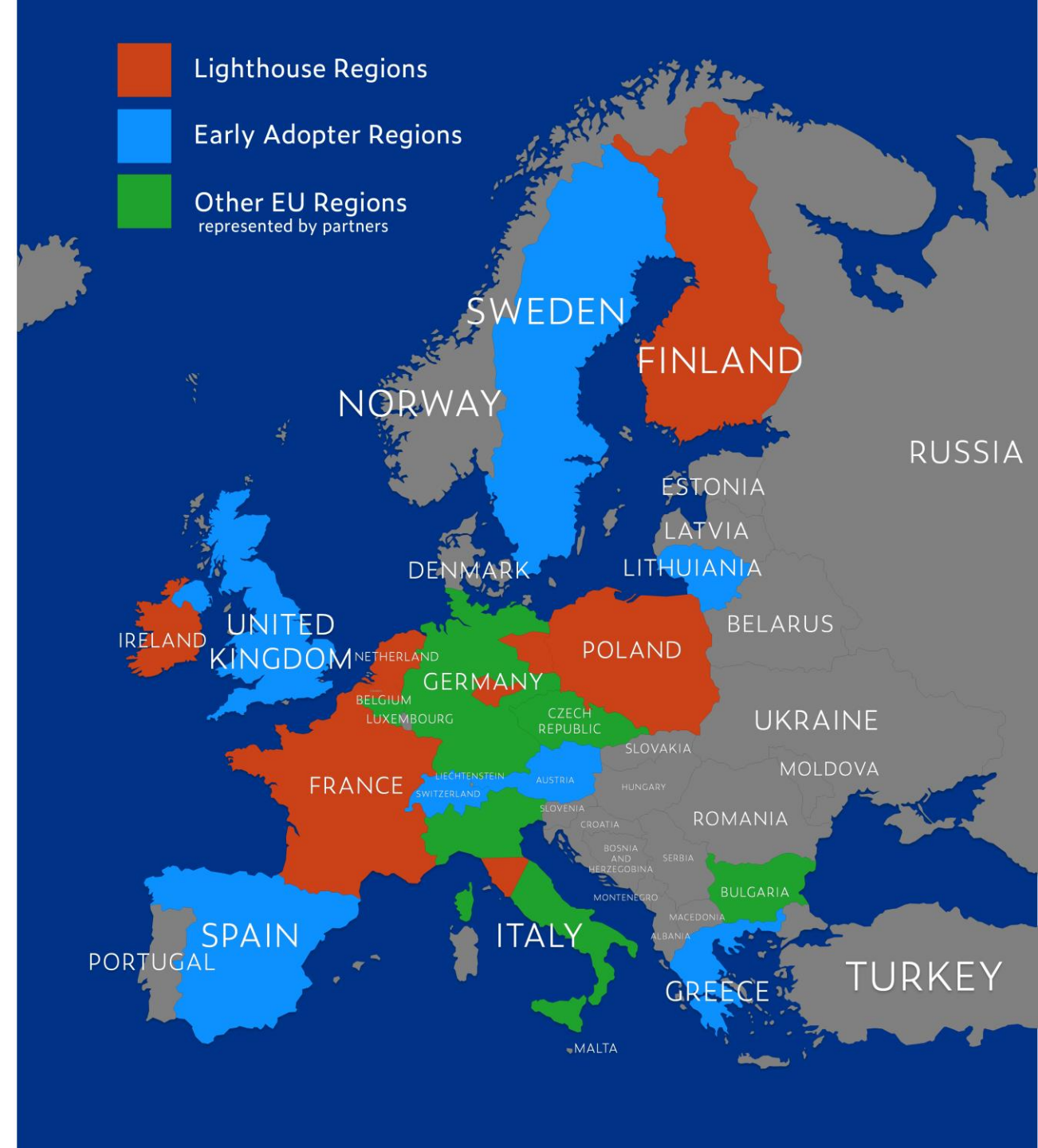




**PhotonHub
Europe®**

500+ EXPERTS
15 MEMBER STATES

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



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

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

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

**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

INVESTMENT & BUSINESS COACHING



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



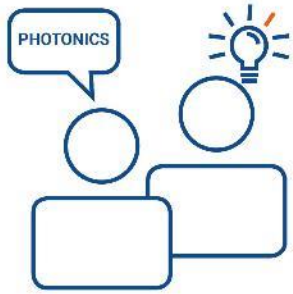
PhotonHub Support Activities

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



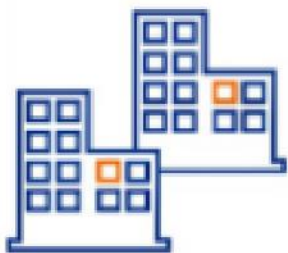
5,800 companies visiting
the Demo and Experience
Centres



**€ 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



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



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



€ 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.**



**PhotonHub
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Join the community



PHOTONICS²¹

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PHOTONHUB.EU



Entrepreneurship



Business Creativity



Technology, Innovation,
Entrepreneurship, Innovation



Business Creativity, Training & Skills

