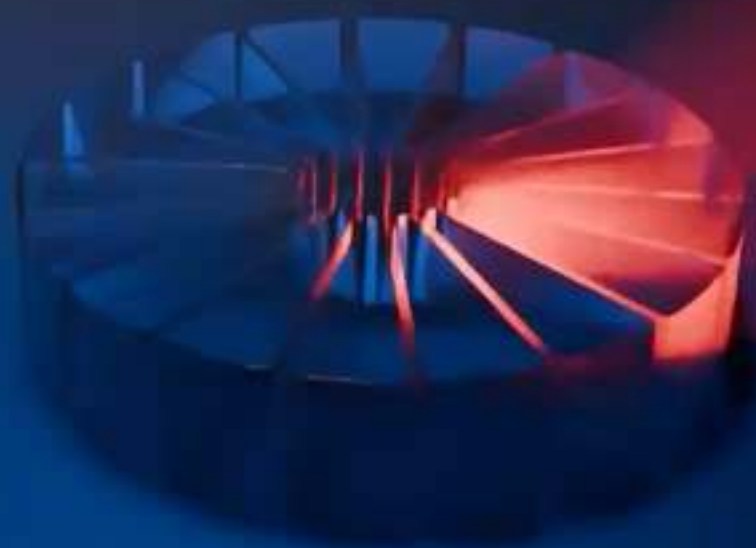




PhotonHub™

PhotonHub PHACTORY

Access to Europe's leading photonics
experts and facilities



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

PHOTONICS²¹



Funded by
the European Union

PHOTONICS IN MANUFACTURING

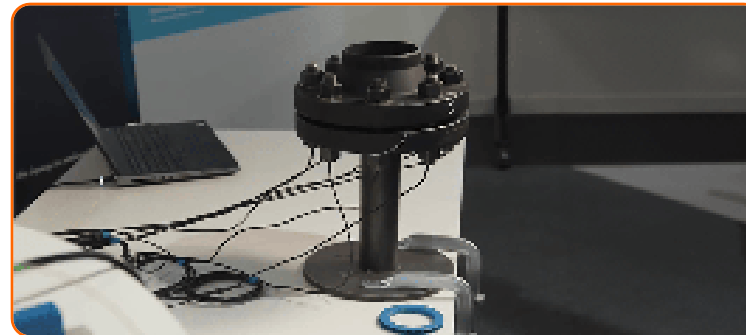
DISCOVER HOW YOU CAN

- ✓ Optimise fabrication yields
- ✓ Increase product quality
- ✓ Reduce overall costs

5 June 2025

EXAMPLES OF SUPPORTED PROJECTS

Lens array for
imaging
systems to
automate
production lines



Measurements
with fibre
sensors for the
petrochemical
sector

Reducing
waste through
cutting -edge
photonics
technologies



PHOTONICS IN HEALTH

DISCOVER HOW YOU CAN

- ✓ Boost prevention
- ✓ Diagnose diseases
- ✓ Manage chronic conditions
- ✓ Advance therapy options

5 June 2025

EXAMPLES OF SUPPORTED PROJECTS

Reducing diagnostic times through optical sensors



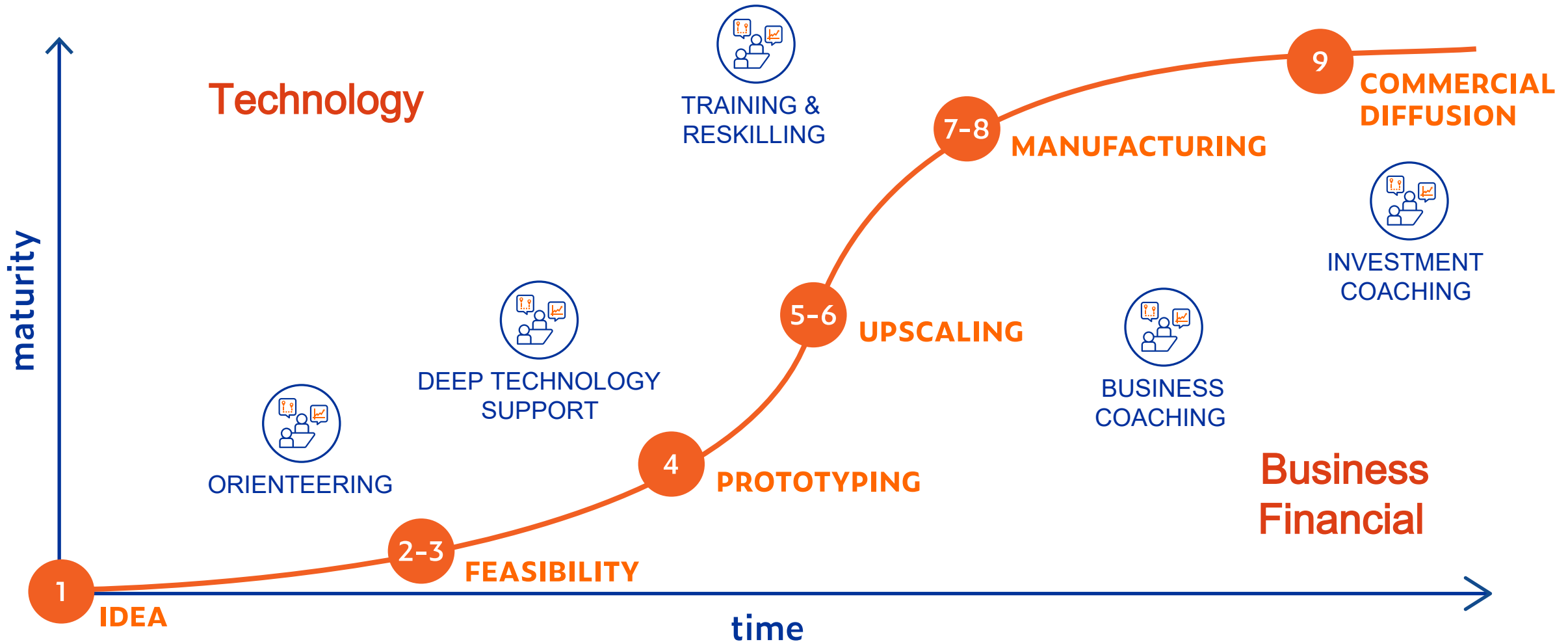
Improving procedure accuracy through high - quality illumination and high - resolution imagery

Assessing post - operative recovery using remote optical monitoring



Empowering companies to innovate with photonics

support across the entire innovation valley of death

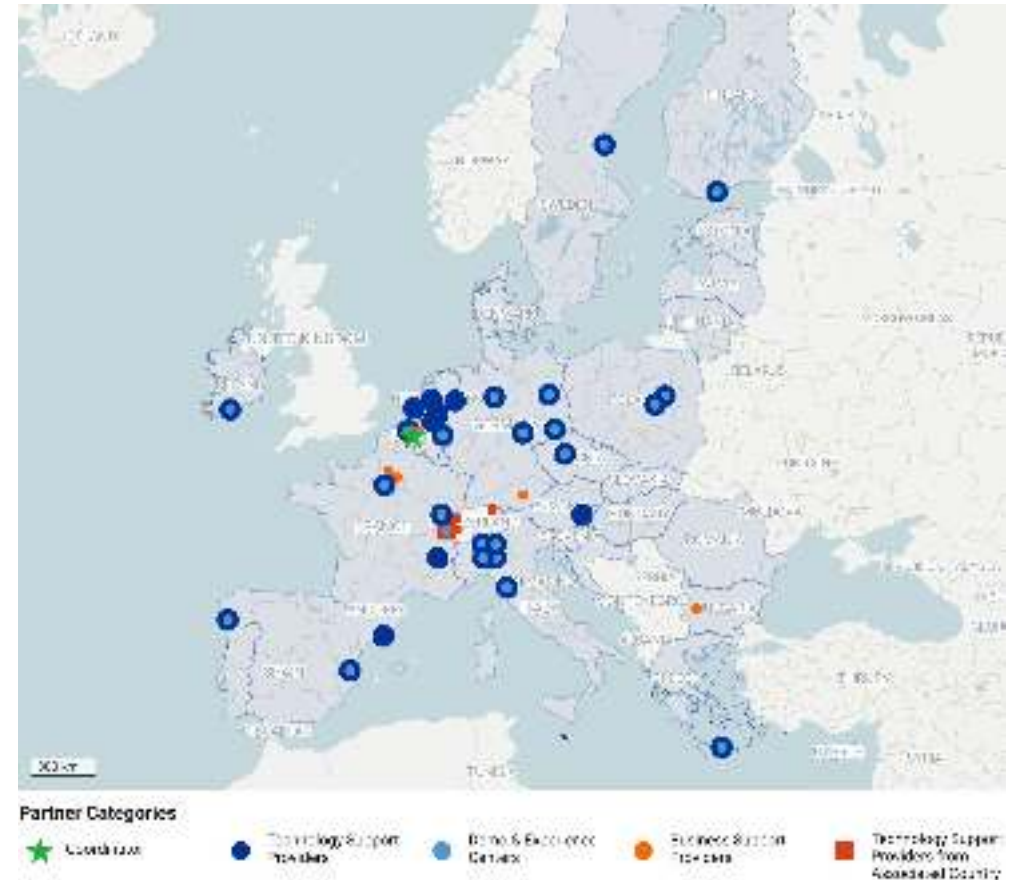


Introducing the project's partners

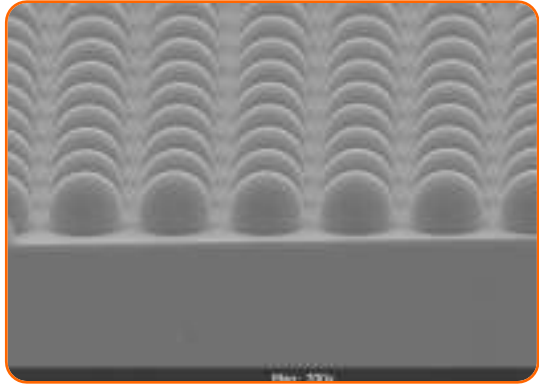
30 Technology support partners

3 Business support partners

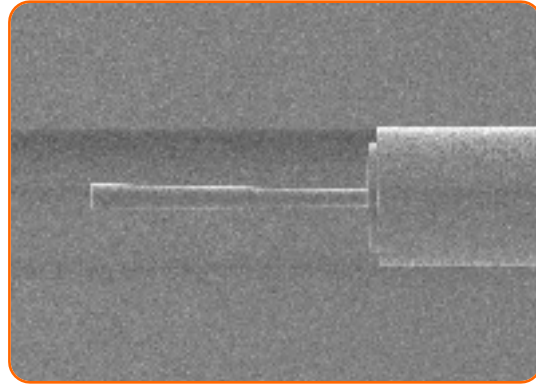
4 Swiss technology support partners



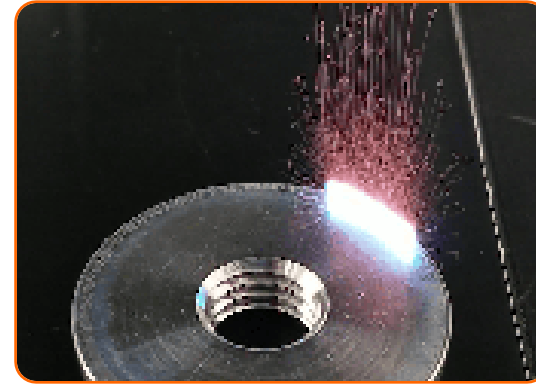
8 technology platforms providing innovation support for prototyping, pilot -line and foundry services



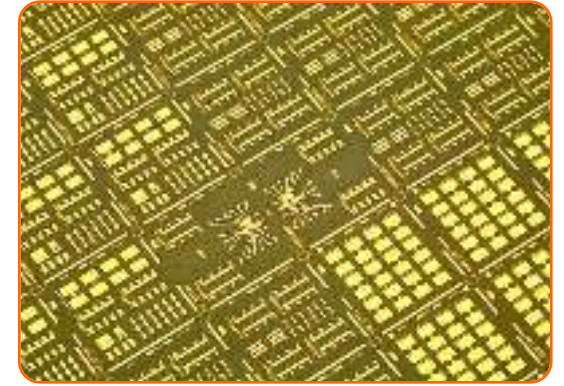
Free- space optics



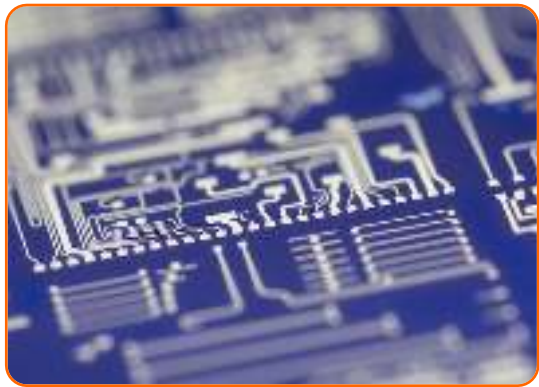
Specialty fibers



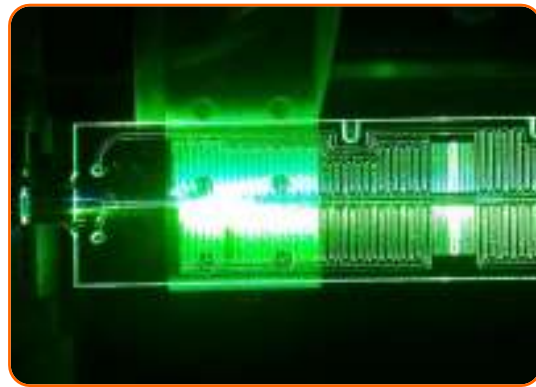
Laser- based manufacturing



Si/SiN PICs



InP PICs



LNOI PICs



MOEMS



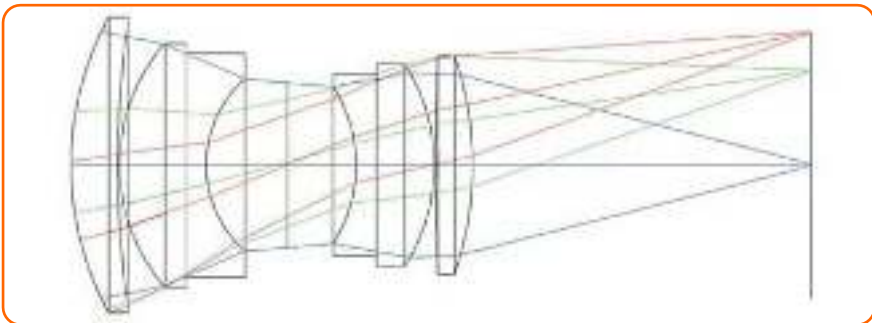
Packaging

From design and prototyping to upscaling

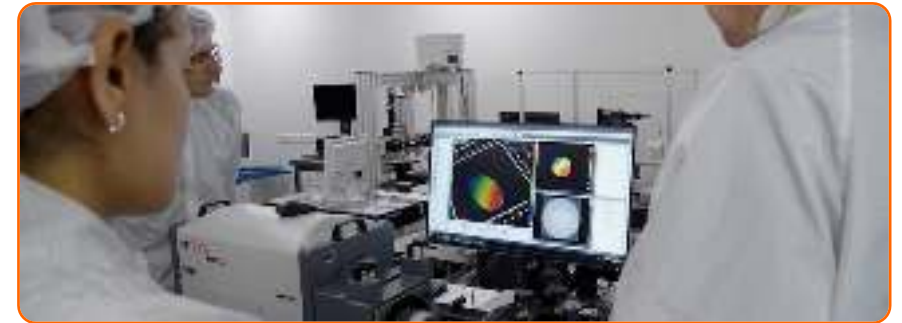
each tech. platform supports the full supply chain with EU manufacturing links



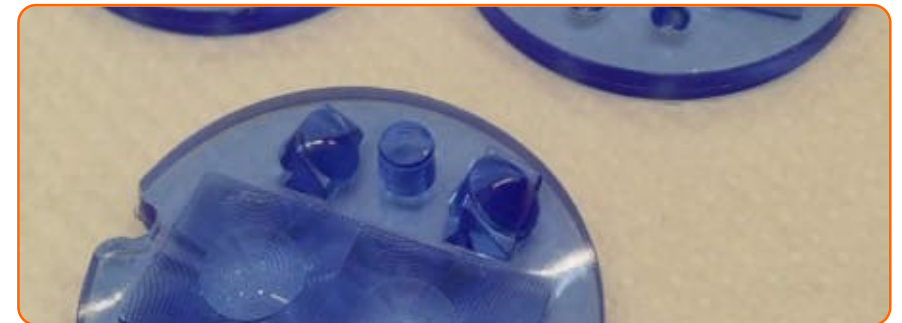
Platform 2
Prototyping and manufacturing



Platform 1
Modelling and design



Platform 3
Metrology and quality control



Platform 4 Proof-of-concept
demonstrators and industrial prototypes

PhotonHub PHACTORY

Key Principles



Innovation driven by business need of companies



Innovation support for SMEs & entrepreneurial - minded researchers



Focus on early adopters targeting photonics - first companies



Companies receive innovation support instead of funding



Project funding only to cross-border innovation support



Impact and strategy improvement measured by quantitative KPIs

Strongly subsidised projects up to 85% of the project's budget

**Free initial
assessment
by top experts**

for European
companies

TRL 2-7: Innovation projects



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Subsidy Levels

First €40k of innovation
project budget fully subsidised;
85% of total budget subsidised
thereafter*

*(*Except for LSCs where it is 50%
of total budget subsidised.)*

Illustrative examples:

Total innovation project budget		Subsidised by PhotonHub		Cash contribution of company
€ 50 k	=	€ 48.5k	+	€ 1.5k
€ 100 k	=	€ 91k	+	€ 9k
€ 220 k	=	€ 193k	+	€ 27k

Strongly subsidised projects up to 85% of the project's budget

IRL 1-9: Business support

**Free initial
assessment
by top experts**

for European
companies

Available to EU -companies

- Entrepreneurially minded Researchers and Start -Ups
 - ✓ Launch Pad
- Fast Scaling Ventures
 - ✓ Scaling Club
- Photonics -Enabled SMEs and LSCs
 - ✓ Expert Mentoring



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Customised benefits to your company

ONE-STOP-SHOP

Full supply chain of cutting - edge photonics platforms

SEAMLESS SUPPORT

All the way from concept to manufacturing (TLR 3- 8) through multiple follow - on projects

SCALING FOCUS

Scaling Club dedicated to guidance on upscaling

CONCRETE RESULTS

TRL advancement of 1- 2 TRL levels

FASTER TIME TO MARKET

Projects typically take 6- 9 months

BUSINESS ACCELERATION

Customised business and IP coaching to support strategic development

TOP EXPERTS

We select the partners that can best serve your technology needs

6 Steps to launch your photonics innovation



1 **SELECT THE SERVICES OF INTEREST AND REGISTER ONLINE**



2 **TECHNOLOGY ORIENTEERING**
We will contact you under NDA to explore your photonics ambition and identify the right technology approach and partners.



3 **INITIAL EXPERT ASSESSMENT**
Face-to-face expert meeting covering technical and business aspects, followed by a report with next steps (within 2 weeks).



4 **PROJECT PROPOSAL**
Assignment of a project leader to help prepare and submit your tailored innovation proposal.



5 **PROJECT EVALUATION**
Reviewing and scoring your proposal, invites you to an online Q&A, and delivers a formal report within one week.



6 **CONTRACT SIGNING AND KICK -OFF**
Once granted, all partners sign the innovation project agreement and the project kicks off.

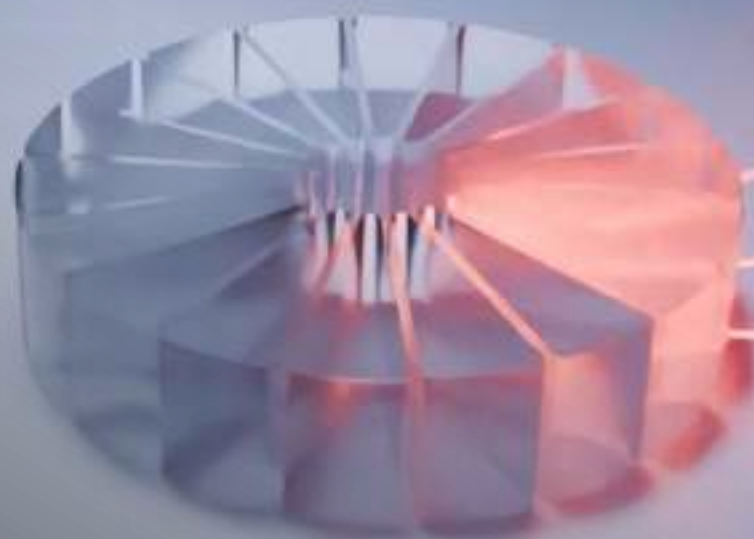


PhotonHub™



photonhub.eu

The start of your Supported
Photonics Innovation Journey



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