

You are a *European company* with
the *ambition to innovate* ?

Together we give birth to your photonics innovation.



Where your ideas see the light.



Accelerating Photonics innovation
for SME's:
a one stop-shop-incubator

“PHOTONICS” is the science and technology that innovates with the unique properties of light





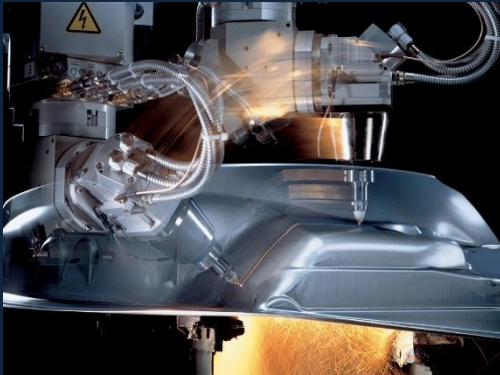
Optical Telecom



Photovoltaics



LED Lighting



Lasers in Manufacturing

PHOTONICS



Displays



Machine Vision

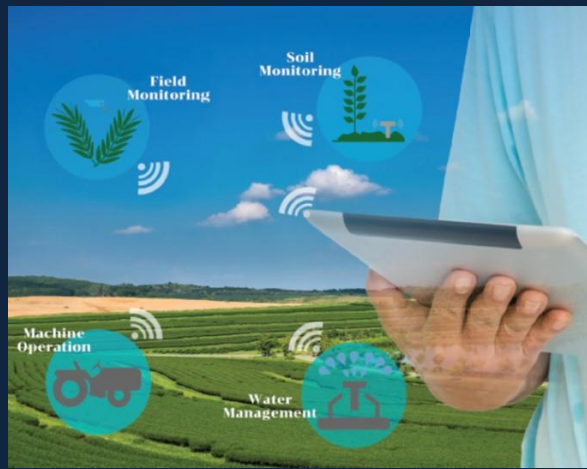


Medical Optics



Optical Components

7 application domains where **photonics** plays an important role to **innovation**



Photonics for safe, nutritious and affordable **food**



Photonics in life sciences and **healthcare**



Photonics for **sustainability** and a clean environment



Photonics for a secure and resilient **IT infrastructure**



Photonics in **manufacturing** and production



Photonics for connected **mobility**



Photonics for **smart homes** and liveable **cities**

Photonics innovation show-stoppers for companies

Access to photonics expertise and experts



in-house photonics experts and expertise are missing



supporting in-house photonics R&I is too expensive



identifying external experts is time-consuming and inefficient

Access to photonics technologies and platforms



in-house cutting-edge photonics technology is missing



investment risk is too high or financially irresponsible



multiple-stop technology shopping fails partial solutions are often incompatible



Dedicated task forces
with the best EU **experts**



Supported by key
photonics technology
platforms



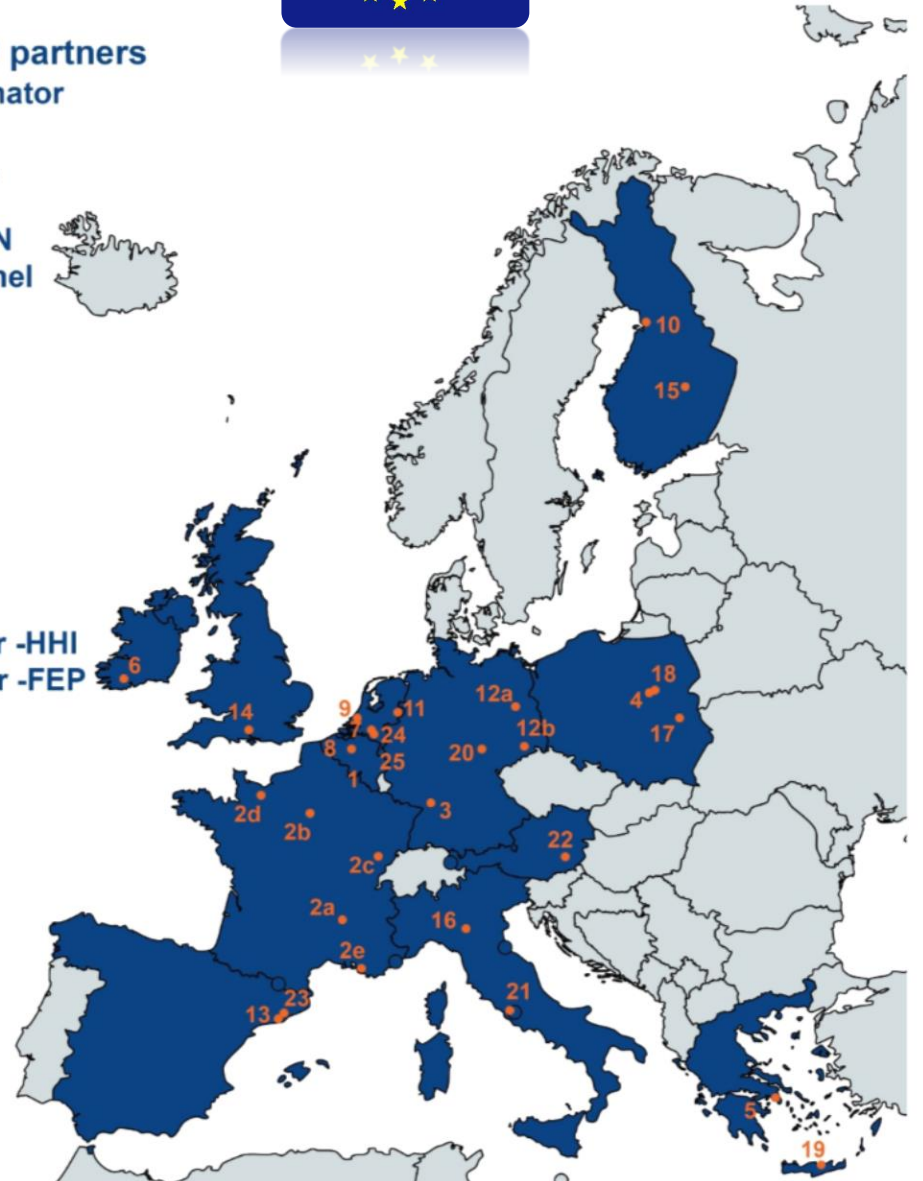
One-stop-shop incubator for photonics
innovation acceleration



A one-stop-shop
photonics innovation incubator
integrating more than
200 top-experts
from 25 institutes
to accelerate
the business
of European SMEs
to industry

● ACTPHAST 4.0 partners

1. VUB - coordinator
- 2 a. CNRS-UJM
- 2 b. CNRS-IOTA
- 2 c. CNRS-UFC
- 2 d. CNRS-CAEN
- 2 e. CNRS-Fresnel
3. KIT
4. WUT
5. ICCS
6. UCC
7. TU/e
8. IMEC
9. TNO
10. VTT
11. LIO
- 12 a. Fraunhofer -HHI
- 12 b. Fraunhofer -FEP
13. ICFO
14. ORC
15. EUF
16. CNIT
17. UMCS
18. ITME
19. FORTH
20. IPHT
21. CNR
22. JR
23. UPC
24. SPH
25. EUN



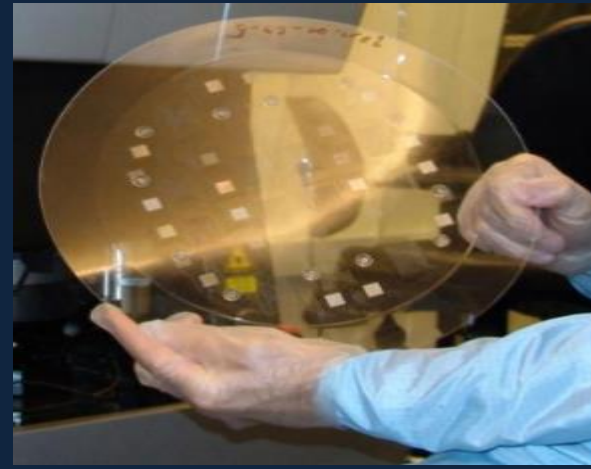
More than 200 photonics experts



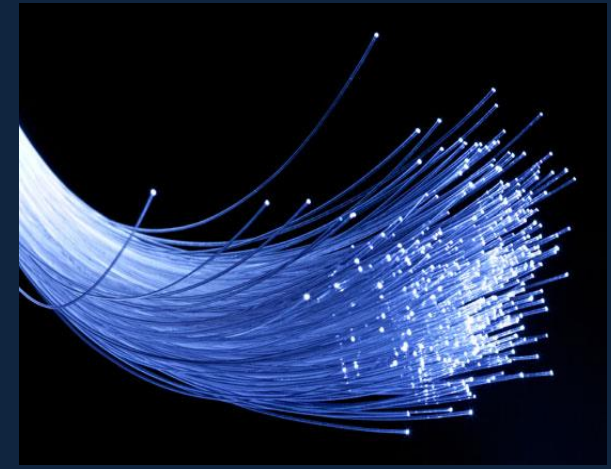
7 Technology Platforms



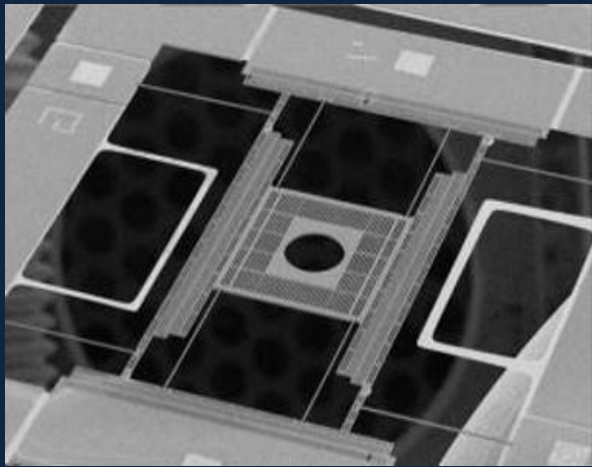
free-space optics



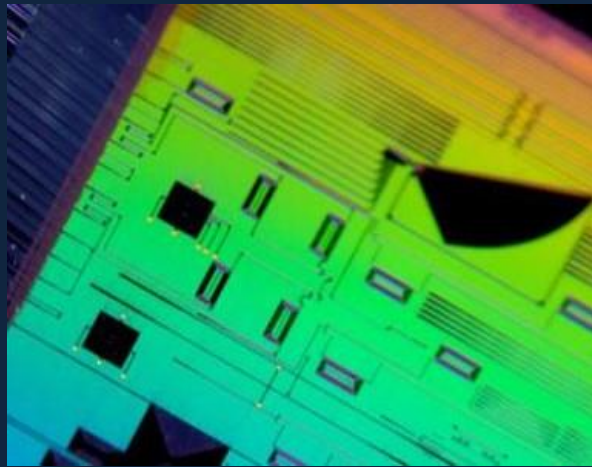
polymer-based optics



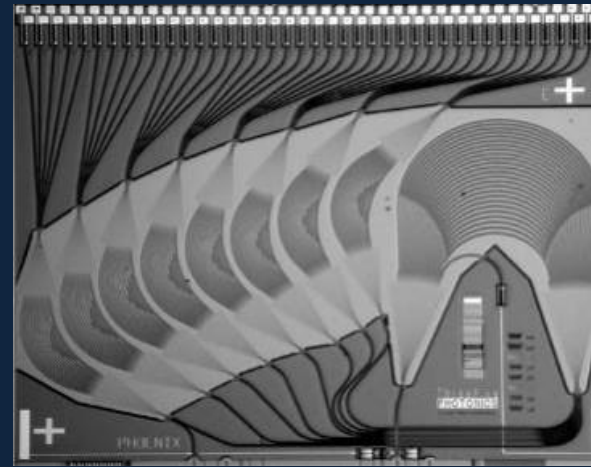
specialty fibers



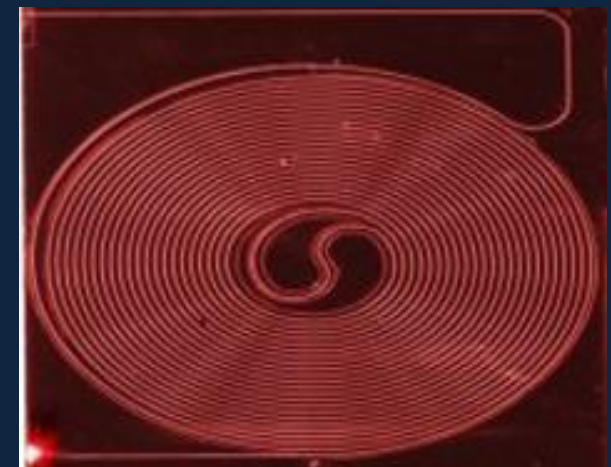
MOEMS



Si -PICs

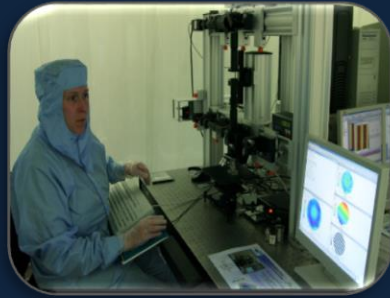


InP -PICs

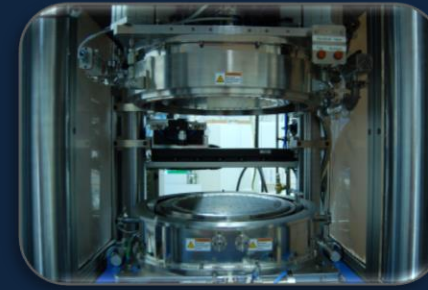


SiN-SiO PICs

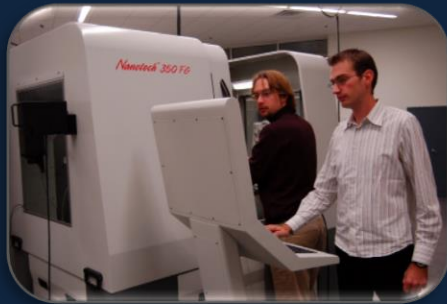
Each technology platform is capable of supporting a full supply-chain from design to demonstrator



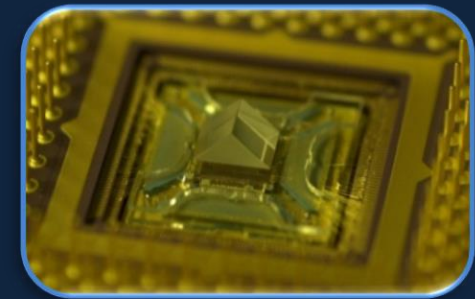
Optical Measurement and Characterization



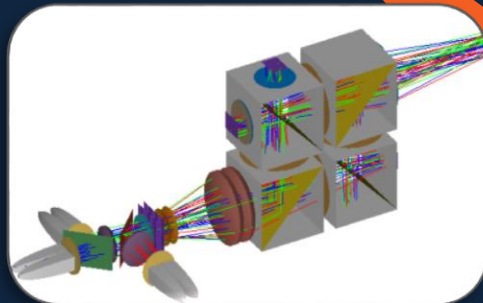
Prototyping with mass-manufacturing equipment



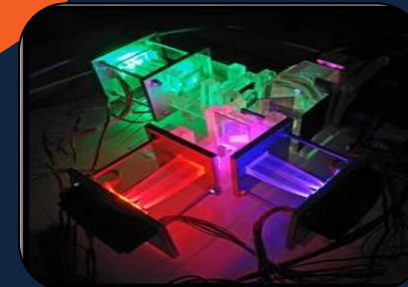
Mastering and Prototyping Technologies



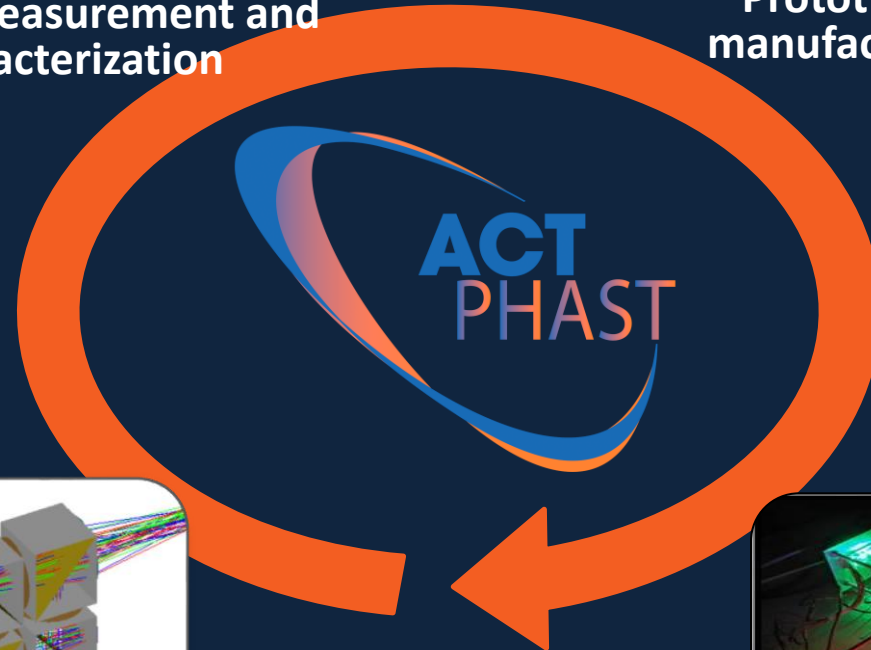
Packaging and Integration



Optical Modelling and Photonic Design



Demonstrators and Prototypes



ACTPHAST's general innovation support principles



mainly dedicated to SMEs



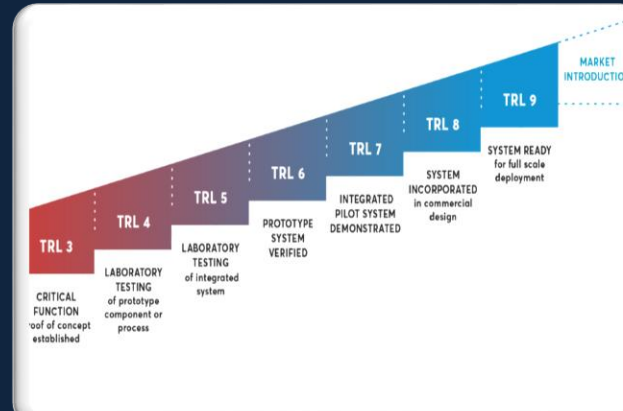
innovation support instead of funding



innovation driven by business needs



supporting a variety of industry sectors



targeting innovation close to the market



KPI's focus on on new jobs and growth

ACTPHAST KPI's

Quantitative Key Performance Indicators



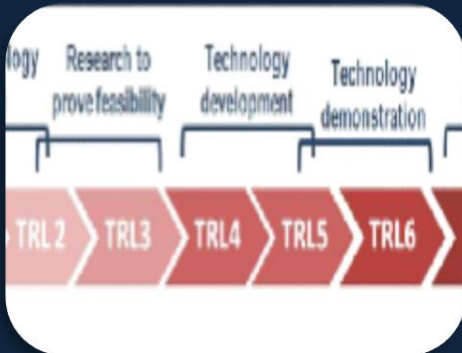
**leverage of
EC R&I funding**



**timeliness
of support**



**customer
satisfaction**



**advancement in
TRL**



**projected increase
in company's revenues**



**projected increase
In number of jobs**

Innovation support for SMEs is subsidized for strongly committed companies

Project budget	SME contribution
40k€	2,5k€
50k€	5k€
60k€	7,5k€
70k€	10k€
80k€	12,5k€
90k€	15k€
100k€	17,5k€
110k€	20k€
120k€	22,5k€

**For SME's
> 80%**

**For LSC's
50%
Subsidized**



Supported companies



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ACT PHAST

For researchers For companies Contact

What is ACTPHAST ↓ Who we are ↓ Who can apply Contact

Where your ideas see the light.

Together we give birth to your innovation with photonics.

WHO CAN APPLY

You are a company looking to leverage innovation through photonics? →

You are a researcher looking to advance your breakthrough with photonics? →