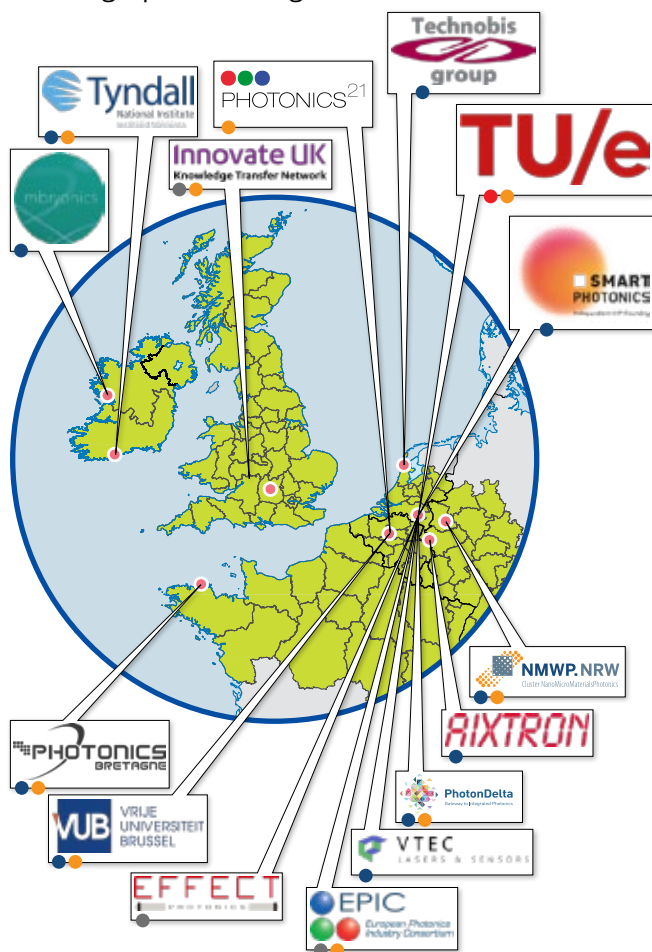


The OIP4NWE ecosystem

OIP4NWE unites seven enterprises, three research institutes and five innovation clusters. It includes innovation leaders (Netherlands, Belgium, Germany), strong innovators (Ireland, United Kingdom) and a high-potential region in France.



The function of the companies and institutes within the project is indicated by the coloured dots:

- Lead Partner
- Project Partners
- Transnational Network
- Associated Partners

Your Contact to OIP4NWE

General information:

✉ contact@oip4nwe.eu

TransNational Network:

✉ tnn@oip4nwe.eu

Voucher applicants:

✉ voucher@oip4nwe.eu

🌐 www.nweurope.eu/oip4nwe

Interreg 
EUROPEAN UNION
North-West Europe
OIP4NWE
European Regional Development Fund

THEMATIC PRIORITY:

 INNOVATION



**Open-Innovation
Photonics pilot for
North West Europe**

About the project

The North West Europe region contains 75% of the European activities in Photonic Integrated Circuits (PICs). SMEs play a pivotal role, but most SMEs cannot afford capital-intensive PIC manufacturing facilities. Open-access facilities for generic PICs are of a laboratory nature (TRL4) and inadequate for manufacturing PICs with cost-efficiency, speed and reliable quality (TRL7). OIP4NWE establishes a PIC pilot production line to gap these barriers and to foster intense collaboration between innovation stakeholders. The pilot line will be established within the community in four phases:

Set-up

Create an open-access pilot line for generic PICs through open innovation. The pilot line will comprise 3 consecutive manufacturing stages for creating the raw PICs (TUE, NL), integration of optics (VUB, BE) and integral packaging (TNI, IE).

Validation

The pilot line will be evaluated and validated by the participating SMEs Technobis Fibre Technologies, mBryonics Limited, VTEC Lasers & Sensors and EFFECT Photonics BV.

Voucher

As first stimulation of uptake in SMEs, a voucher scheme for 7 external SMEs will be set up, lifting the TRL of their products from 4 to 7. Using these showcases, they will be leveraged in the dissemination activities during and after the project.

Long-term

A TransNational Network (TNN) will be set up including business clusters to reach out to SMEs in all relevant sectors. The current partners TNI (PIXAPP), TUE (JePPIX, InPULSE), VUB (ACTPHAST), Photonics Bretagne, Photon Delta Cooperatie and Cluster NMWP.NRW form a solid basis for this TNN.

Tasks of the TransNational Network

- Building a TransNational Network (TNN) to facilitate the rapidly growing uptake of PICs among SMEs and the sustainability of the pilot line.
- Central contact point for (potential) applicants, specially SMEs.
- The TNN will focus at the identification of and outreach to new areas/markets where PICs can be implemented.
- Broad objective to reach hundreds of SMEs.



How can you be involved?

Voucher Scheme

Be one of the first companies to test the PIC pilot line. After the pilot line has been set up and validated, a voucher scheme for 7 small and medium-sized enterprises will be set up to lift the technology readiness level (TRL) of their products from 4 to 7.

The TransNational Network

Become a part of the Transnational Technology Network to collaborate in PICs outreach and receive information first.

Stay informed

Find more information on your participation and details of the Interreg NWE project online at www.nweurope.eu/oip4nwe

