EFFECT PHOTONICS AT A GLANCE

InP Group Eindhoven

10 December 2025

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EFFECT PHOTONICS

MONOLITHIC INP INTEGRATION FOR PHOTONIC SOLUTIONS

Company profile EFFECT PHOTONICS

Key facts

Name	EFFECT Photonics
Headquarters	Eindhoven, The Netherlands
Foundation	2010
Activities	Tunable laser assemblies
Ownership	Privately owned

PIC & assembly Design

Laser commercialization

Key activities – place in the supply chain

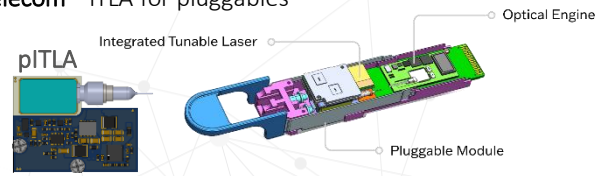
- Designing fully integrated photonic solutions based on monolithic InP integration, and manufacturing those through manufacturing partners.
- Sales of the laser assemblies to the market
- EP owns the InP PDK at WIN Semi!

DESIGN → WAFER FABRICATION → PACKAGING, TESTING & CALIBRATION

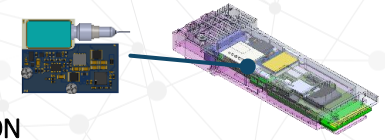
EFFECT PHOTONICS | win SEMICONDUCTORS | fabrinet

Product focus: Integrated Tunable Laser Assembly

Telecom – ITLA for pluggables



Datacom – Tunable Laser for Coherent Lite and ELSFP



Locations

Eindhoven: Headquarter Taiwan: Local representative

Roadmap to Revenue Growth in 2030

- Significant share in **Datacom & Telecom**
- Revenue: >$300M
- Highly Profitable

EP's MISSION

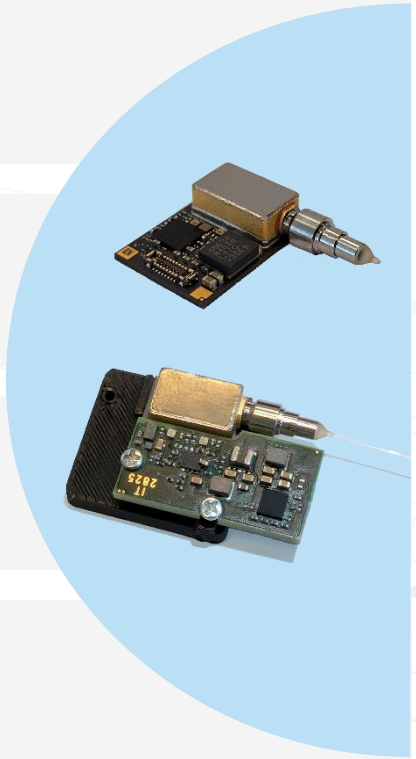
Interconnect an ever-changing world by making light and digitally powered solutions sustainable, affordable, and scalable

EFFECT PHOTONICS

EP TECHNOLOGY WELL-POSITIONED TO SEIZE OPPORTUNITIES

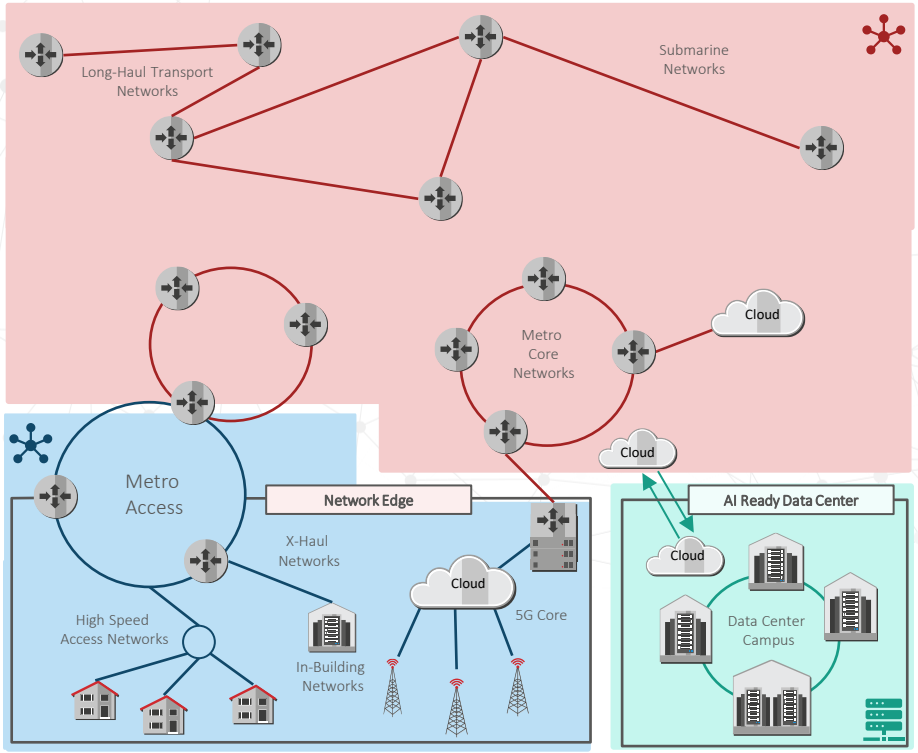
EFFECT Photonics key differentiators

Size	Our pITLA is the smallest publicly announced tunable ITLA in the world, enabling coherent technology in a standard QSFP28 pluggable
Power consumption	1.8W (I-temp) and 1.6W (C-temp) for a 14dBm laser are unprecedented in the industry
Scalable assembly	Our pITLA is purposefully designed with high integration and few components for high volume production
Scalable production	The outsourced model with high-capacity contract manufacturers enables possibility to scale fast with high quality



OUR PRODUCTS EXPAND FROM CORE TO EDGE & DATA CENTERS

Addressed network space & portfolio



Core & metro networks

First wave coherent technology

- Coherent optical transmission as de-facto standard today in core network & increasingly in metro networks
- Nearly 100% penetration of coherent transceivers for new deployments and upgrades

Network edge & access networks

Second wave coherent technology

- Access and edge layers starting transition to coherent technologies
- Penetration driven by adoption of 100G-400G ZR/ZR+ & pluggable coherent modules

AI Ready Data Centers

Third wave coherent technology & CPO/ELSFP

- Short-reach IM-DD optics still dominant, but coherent adoption growing fast in inter-DC or campus-scale AI
- Increasing penetration driven by demand for ever-increasing data transfer rates over longer distances

Current telecom portfolio

Opportunity to expand to fast growing datacom market

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THANK YOU