

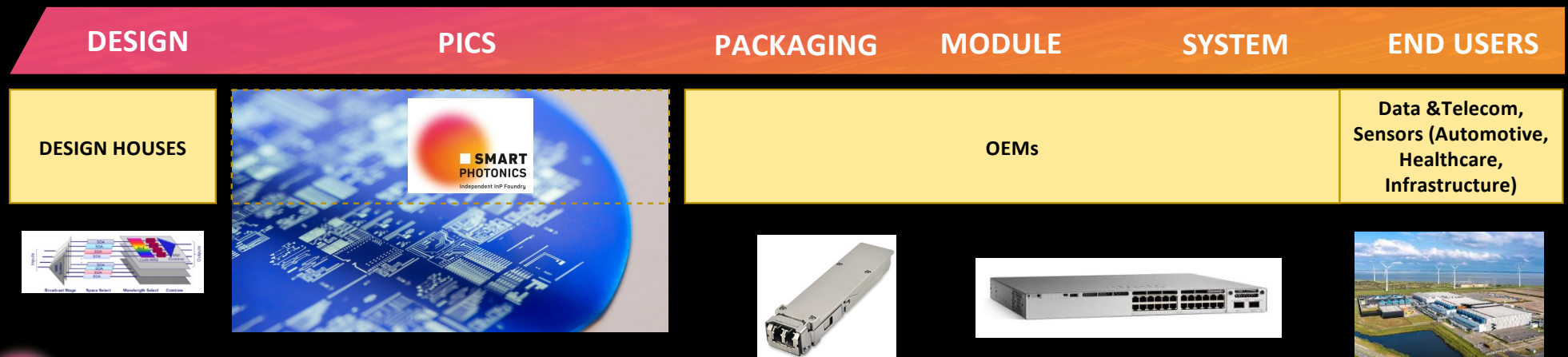


SMART Photonics Brabant Innovation Day

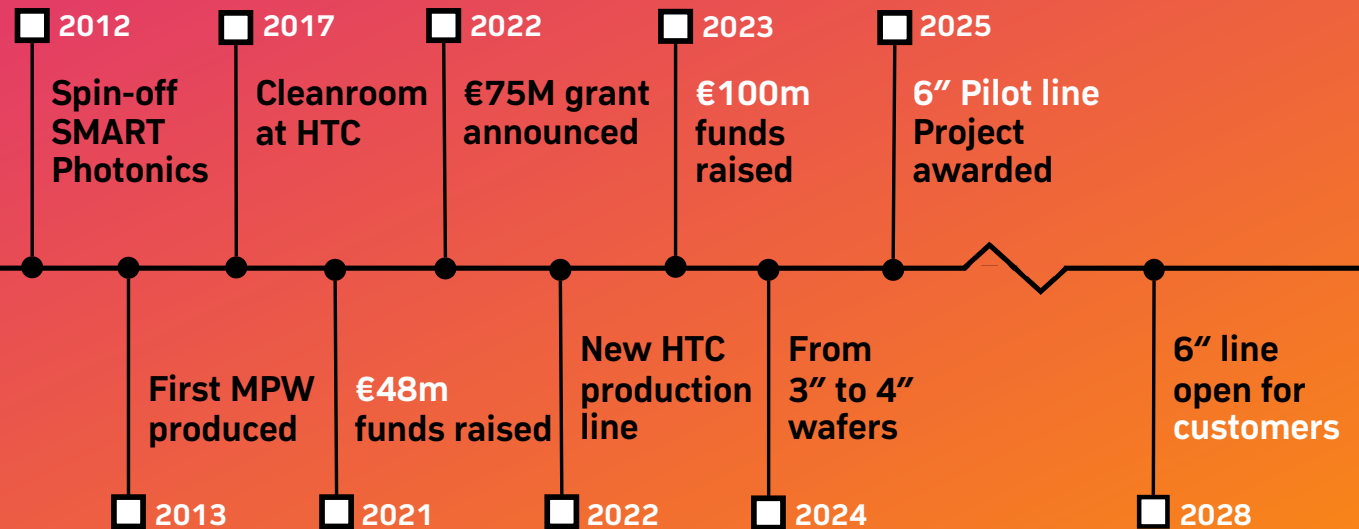
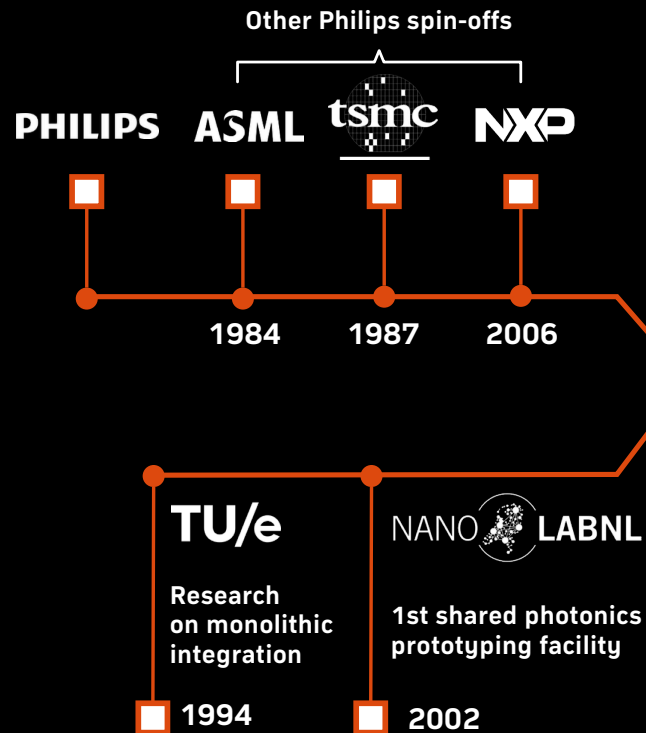
Jun 9th, 2026

SMART PHOTONICS INTRODUCTION

- Independent foundry for Indium Phosphide (InP) PICs
- Standardized processes based on validated Process Design Kit (PDK)
- Support from development to large scale production
- Crucial position in PhotonDelta and Global PIC Supply Chain



ABOUT US | OUR ORIGIN



6" INP facility under construction

- ✓ Integrated Photonics is a **strategic EU technology**
- ✓ R&D and Industry **under one roof** to accelerate adoption
- ✓ **± 220M Euro** investment
- ✓ PIXEurope led by TNO, **SMART to extend**
- ✓ **20k 6" wafers** capacity

2028 | 6" WAFER PILOT LINE



■ SMART
PHOTONICS



PIXEurope

■ Global challenges require new technologies



Massive power consumption in AI, data- and telecommunications



Need for fast and safe sensors for assisted and autonomous MOBILITY



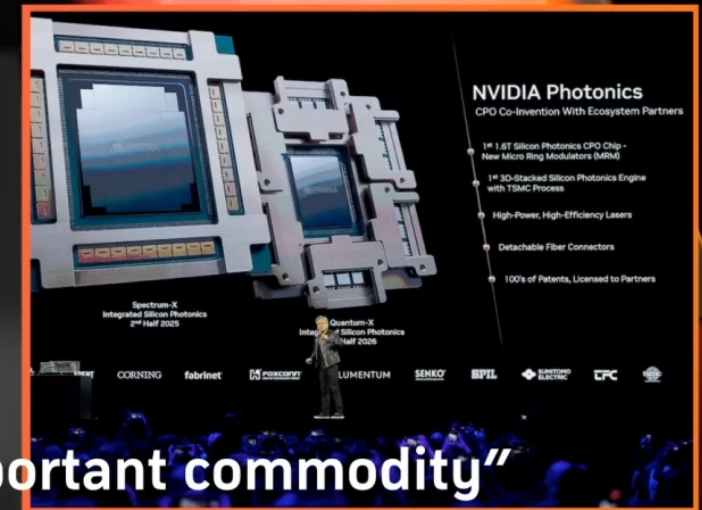
Rapidly rising COST OF HEALTHCARE

■ Nvidia announced wide-scale use of photonics



Jensen Huang - CEO Nvidia

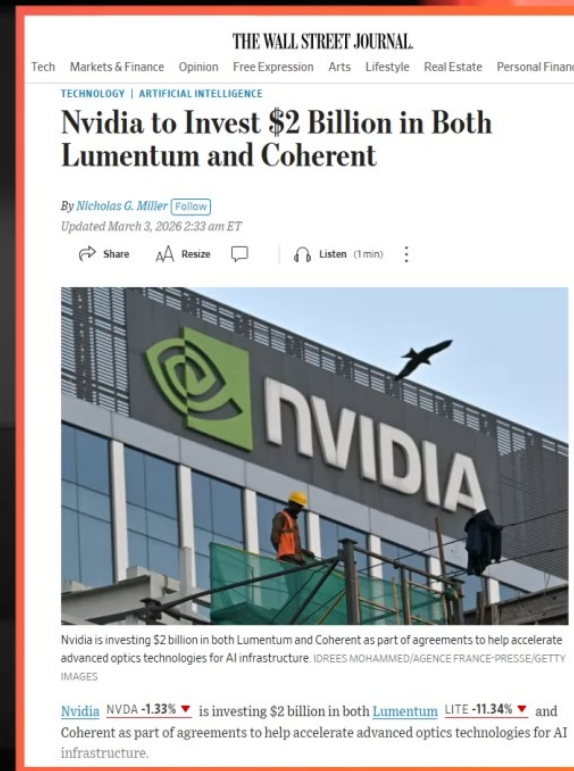
“Energy is our most important commodity”



■ Nvidia announced wide-scale use of photonics

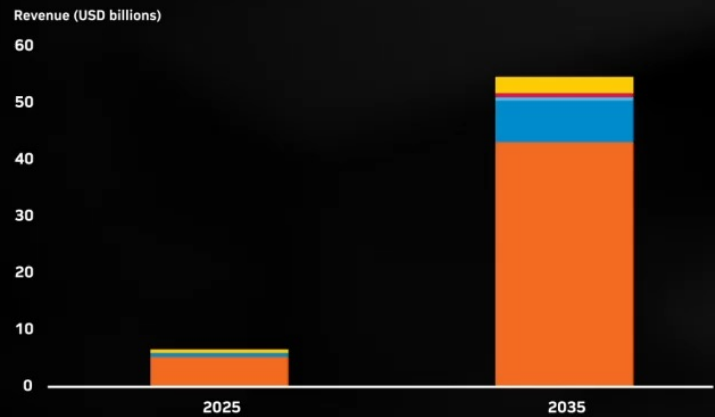


Jensen Huang - CEO Nvidia



■ AI drives huge market increase

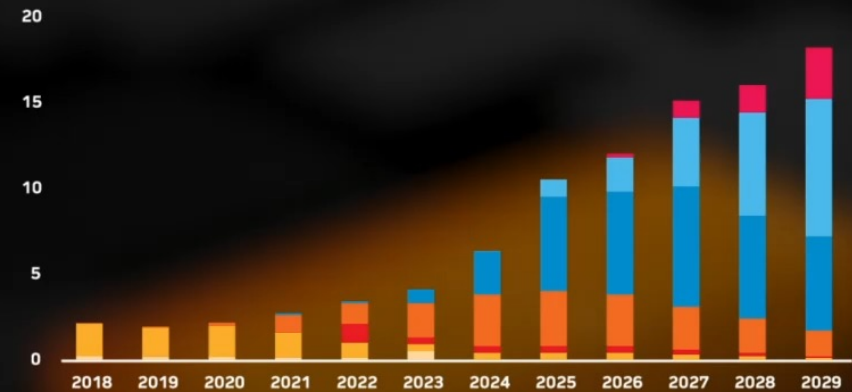
Photonic Integrated Circuit Market grows massively over the next decade



■ Datacoms (data centers + HPC) ■ Telecoms (5G) ■ Quantum ■ Sensors ■ LiDAR

Source: IDTechEx, PIC Market Research, 2025

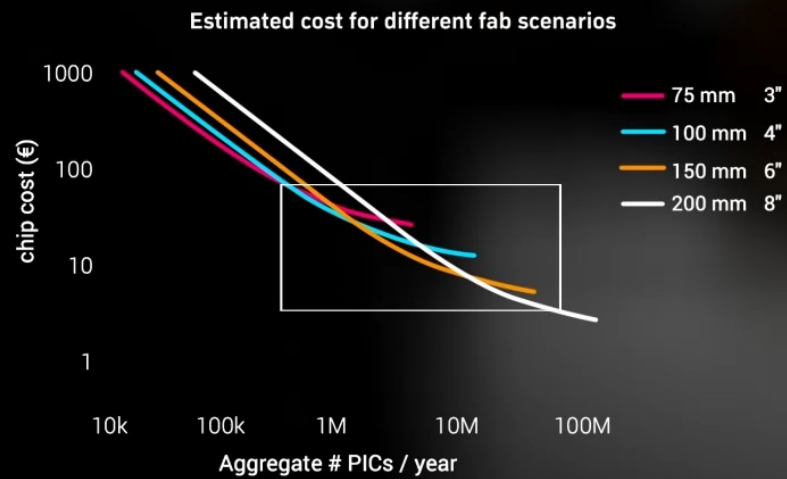
Need for faster data transmission drives this development



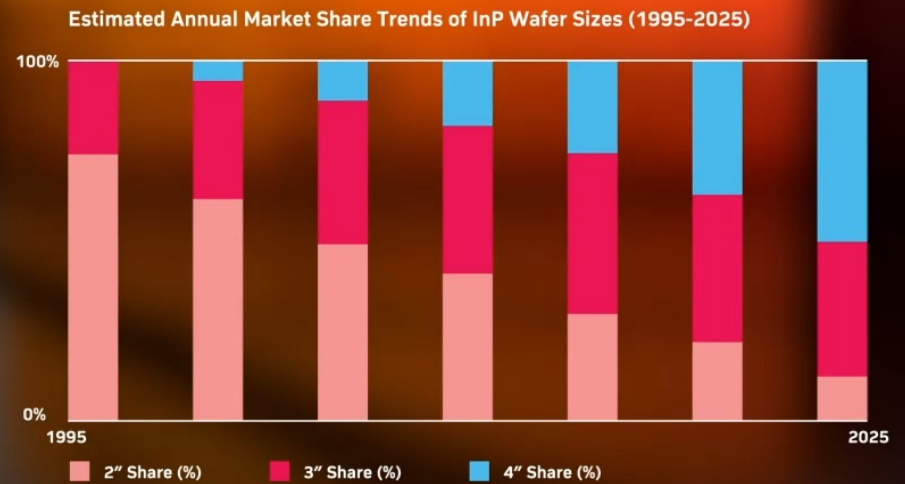
■ ≤50G ■ 100G ■ 200G ■ 400G ■ 800G ■ 1.6T ■ 3.2T

Source: Lightcounting, Market Forecast Report, 2024

■ Wafer size drives economy of scale



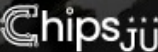
Source: M.Smit et al, Jeppix Roadmap 2015



■ Drive innovation through scaling: R&D and industry go hand in hand

**World's first 6" InP
Photonic Chip Pilot Line**

Construction start
9 March 2026

 Ministerie van Economische Zaken en Klimaat	 Ministerie van Defensie	
 Rijksdienst voor Ondernemend Nederland	 PIX Europe	
 TNO innovation for life	 HIGH TECH CAMPUS EINDHOVEN	
 TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY	 UNIVERSITY OF TWENTE.	 PITe
 Co-funded by the European Union	 Chipsjü	
 SMART PHOTONICS	 PhotonDelta	



Bringing your innovation to life

THANK YOU FOR YOUR ATTENTION

SMARTPHOTONICS.NL

