



www.photonicsnl.com



**We stimulate Photonics and Optics
innovation, research & education and economic activity**

- Enabling collaborations and cross-fertilization in the photonics value chain
- Propagating the importance of photonics for our economy and in all levels of education
- Promoting the national photonics community in the Netherlands and abroad



The Dutch Photonics landscape

PhotonicsNL



 PhotonDelta

Facilitate the growth of the infrastructure in the value chain of Integrated Photonics (PICs)

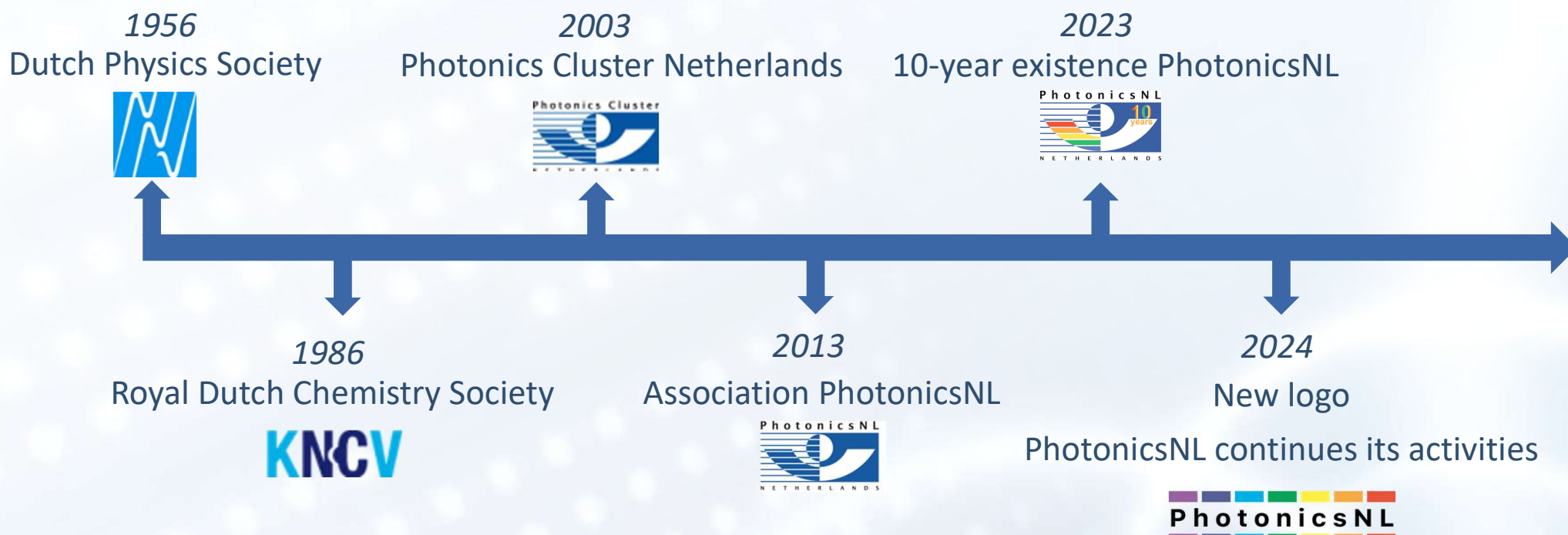


Strive for innovation, research, and education in the optical field to inspire each other)





PhotonicsNL – a long history



PhotonicsNL – our members



Key segments of photonics companies in NL



Where to meet the Dutch Photonics ecosystem



- DutchPhotonicsEvent
- *'another Day of Photonics'*
- *Smaller, dedicated events*



Holland High Tech
Global Challenges, Smart Solutions

- Photonics West
- OFC
- Laser World of Photonics
- ECOC



Photonics in the Netherlands - a long history

From 17th century...



Christiaan Huygens - Telescope



Antoni van Leeuwenhoek - Microscope

Photonics in the Netherlands - a long history

... to 21st century

ASML



ASML's Next-generation High NA (high numerical aperture) EUV lithography systems

PHILIPS

Dutch Photonics ecosystem





Diversified Dutch photonics sector

- Relatively large photonics sector:
 - Nearly **300 companies** active in photonics
 - Another **200 - 300 companies** related to photonics
- Strong **collaboration** between:
 - Academia
 - Research institutes
 - SMEs
 - Large multinationals
 - Government programs
- Broad spectrum of company types:
 - Broad range of **applications**
 - Specialized in **core photonics technologies/components**



Kinds of Dutch photonics companies

- Large multinationals / global leaders
- Mid-size specialised firms / SMEs
- Startups / spin-offs/ deep-tech ventures
- Foundries / PIC-chip manufacturers
- Application-oriented firms
- Research institutes & R&D organisations



Photonics 4... in The Netherlands

- Photonics-for-Industry / Manufacturing & Machine Vision / Metrology
- Photonics in Healthcare / Medical Devices / Biotech
- Photonics for Telecom & Data / Fibre-optics & Communication
- Photonics for Agriculture, Food & Environment
- Research-intensive, R&D & Deep-Tech Spin-offs / Startups / SMEs
- Laser, light-source, and photonic-components companies
- Integrated-photonics / Photonic-chip companies



Interest of Dutch photonics

- Market expansion / customers
- Technology & component sourcing
- Partnerships / collaboration opportunities
- Talent acquisition & knowledge exchange
- Investment and funding opportunities



Thank you!

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