

Corporate structural Software
 Synopsis (NL)
 Cadence (US)
 Nazca design (NL)

Design & Test
 Bright Photonics (NL)
 VLC Photonics (ES)
 Synopsis (CA, NL)
 Siemens EDA (US)
 Scintil Photonics (FR)

LUCEDA Photonics (BE)
 VPI Photonics (DE)
 Compoundtek (SG)
 Optiwave
 Photon Design (CN)
 Quantopticon (UK)
 ETSC Europe (BE)
 EHVA Photonics (CA)
 VTEC (NL)
 Silvaco (UK, US, JP)
 Keysight (US)
 Photonpath (IT)

Public-private / Research institute
 CEA-Leti (FR)
 CMP (FR)
 IMEC (BE, NL)
 IMB-CNM (ES)

University
 IPL (US)
 MESA+ (NL)

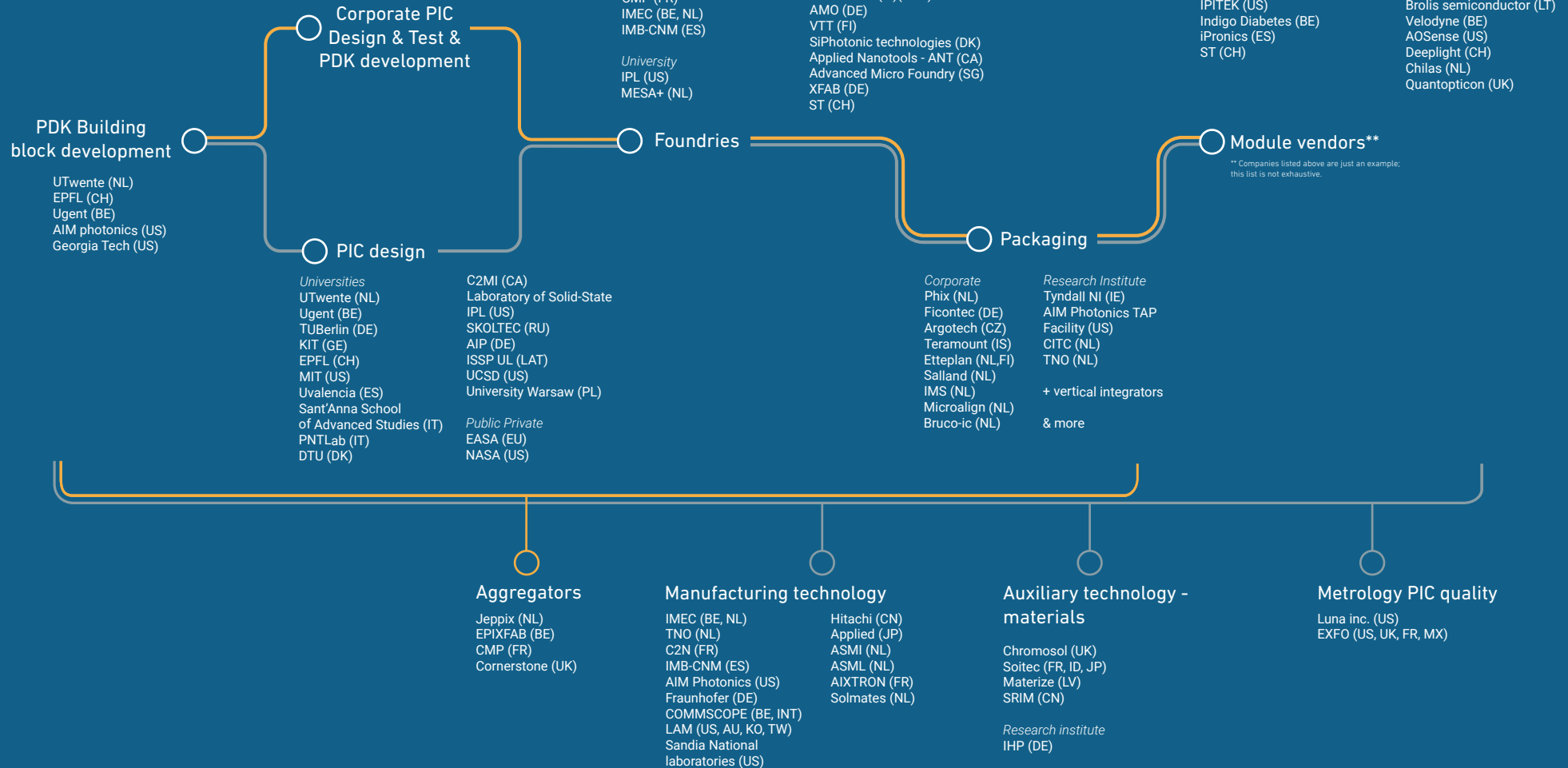
Corporate
 Lionix International (NL)
 Ligentec (CH)
 Towersemi (IL)(Intel)
 AMO (DE)
 VTT (FI)
 SiPhotonic technologies (DK)
 Applied Nanotools - ANT (CA)
 Advanced Micro Foundry (SG)
 XFAB (DE)
 ST (CH)

Corporate
 Lionix International (NL)
 IMEC IClink (BE)
 Lightwave logic (US)

Corporate
 Aeponyx (FR)
 Anellophotonics (US)
 IPITEK (US)
 Indigo Diabetes (BE)
 iPronics (ES)
 ST (CH)

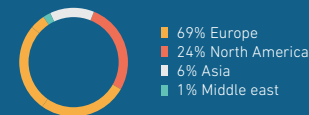
Surfix Diagnostics (NL)
 Phoenix Photonics (UK)
 Delta Diagnostics (NL)
 Deepsight (US)
 Finisar/II-VI (US)

Xrnanotech (CH)
 Brolis semiconductor (LT)
 Velodyne (BE)
 AOSense (US)
 Deeplight (CH)
 Chilas (NL)
 Quantopticon (UK)

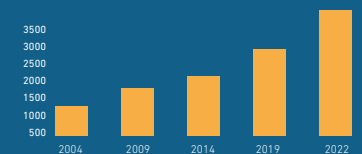


PhotonDelta Global SiN Map

Very low propagation loss, high power handling, a broad spectral coverage and CMOS compatibility. There are many reasons why Silicon Nitride (SiN) is the ideal platform for integrated photonics applications such as lidar, biosensing and quantum processors. The Global SiN value map presents the value chain for Silicon Nitride (SiN) photonic integrated circuits and affiliated applications.



Locations of SiN value chain companies (% per continent)



Published SiN Waveguide patents (on average per year)*

*Global analysis of Silicon nitride waveguide patents 1 January 2000 until the end of April 2022 (source: Lens.org – no subselection on companies)