



nanoPHAB

Participant Holland High Tech Japan trade mission



Holland High Tech
Global Challenges, Smart Solutions



The Holland High Tech Japan trade mission

12-16 February 2018

co-organised by [Innovatie Attaché Netwerk \(IA-netwerk\)- Tokio](#)



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nanoPHAB is the pure play nano-photonics foundry that provides micro- and nano-fabrication services for a wide range of photonic devices, materials, applications and customers. The ideal fabrication provider for Universities and SMEs that want to turn their ideas into real innovative prototypes and products.

nanoPHAB offers custom nano-photonics fabrication for research and industry. We are a pure-play foundry which means your IPs and ideas are protected.

Processing of many materials

SiO_x, SiN, AlO_x

E-beam resist (ZEP, PMMAs, HSQ)

Polymers (BCB, PDMS, Polyamide)

Photoresists (HPRs, AZs)

Metals (Cr, Ni, Zn, Ge, Ti, Pt, Au, Ag, Al, ...)

III-V (GaAs, AlGaAs, InAs, InGaAs, InP, ...)

Si

Multiple fabrication services for all your needs

Epitaxial Growth of III-V nano-Heterostructures and Nanowires (MBE,MOVPE) at 800-1650 nm wavelength.

Dielectrics thin-film deposition and processing for Coatings, Hard Mask, Insulation, Gratings, Metasurfaces,...

Electron Beam and Optical Lithography down to 5 nm Resolution for micro- and nano-patterns definition.

Isotropic selective dry and wet etching for suspended devices as Photonic Crystals and MEMS.

Anisotropic plasma etching (ICP,RIE) for high aspect ratio Photonic Crystals, Metasurfaces, Gratings, WGs, ...

Metals evaporation for Contacts, Plasmonics, RF and nW-mW electro-optical devices (LEDs, Lasers, SOAs, ...).

Contact

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