



NL : INDUSTRIALISATION HUB FOR DEEP TECH

Diversification opportunities to secure NL's position in future value chains

Toine Cleophas - March 17 , 2026

Sr Project Manager International Business | Deep Tech

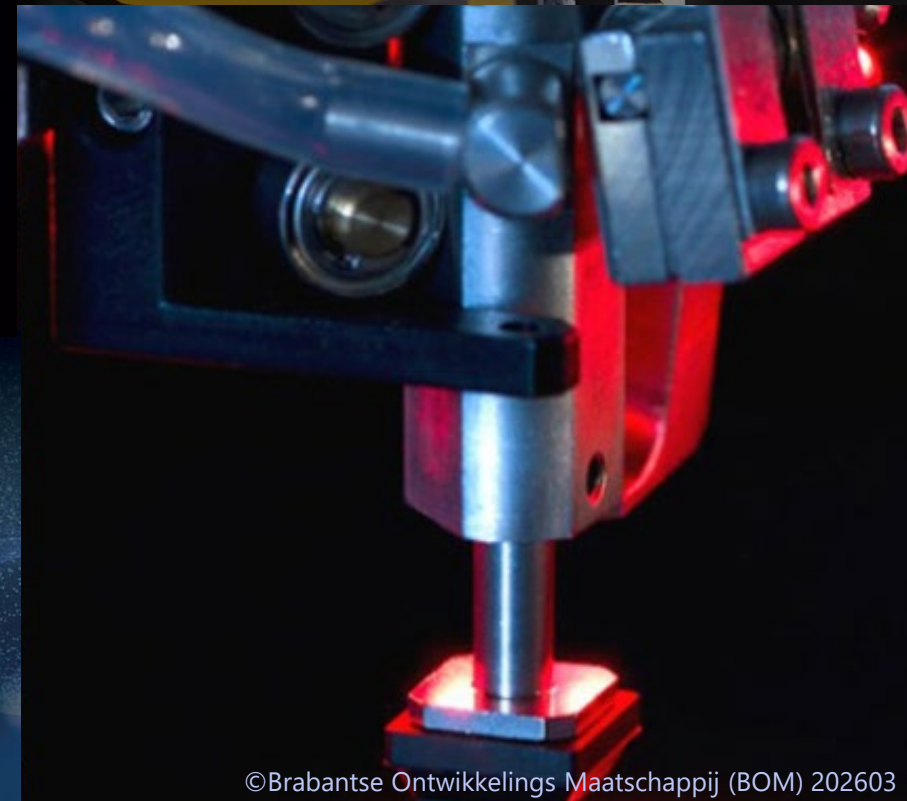
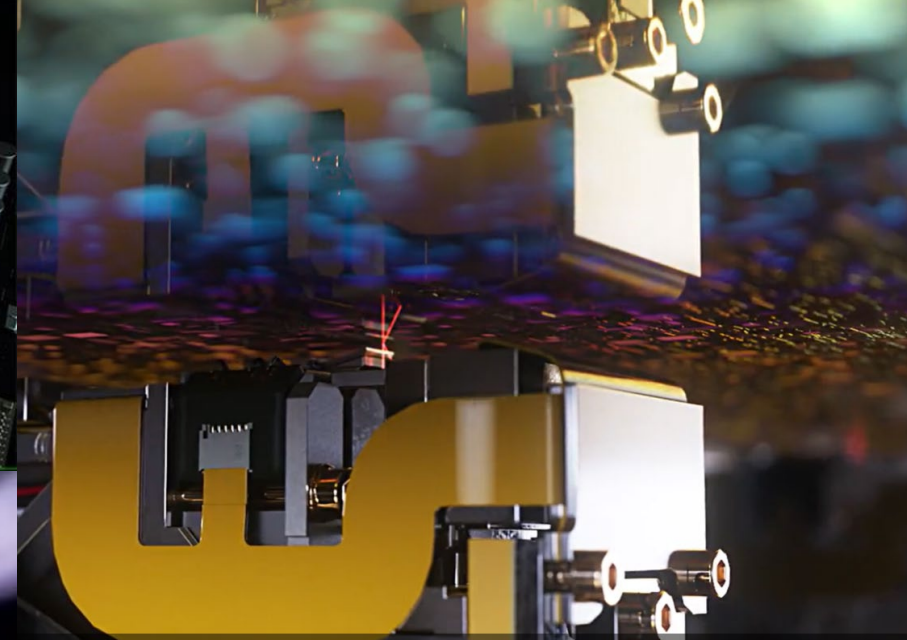
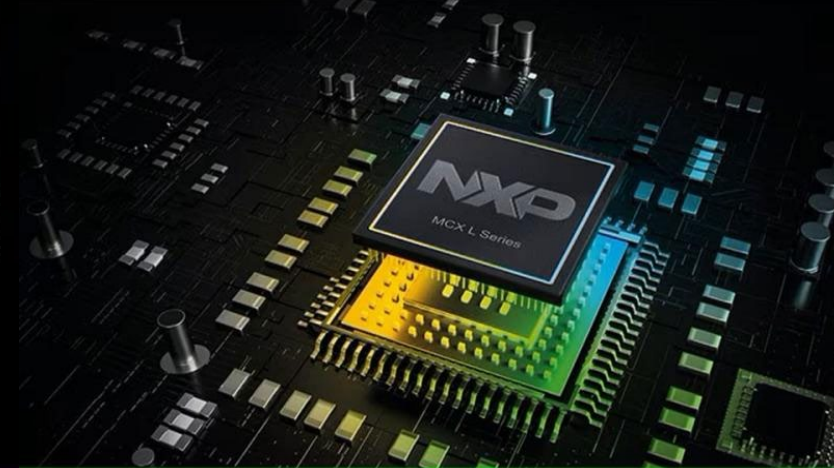
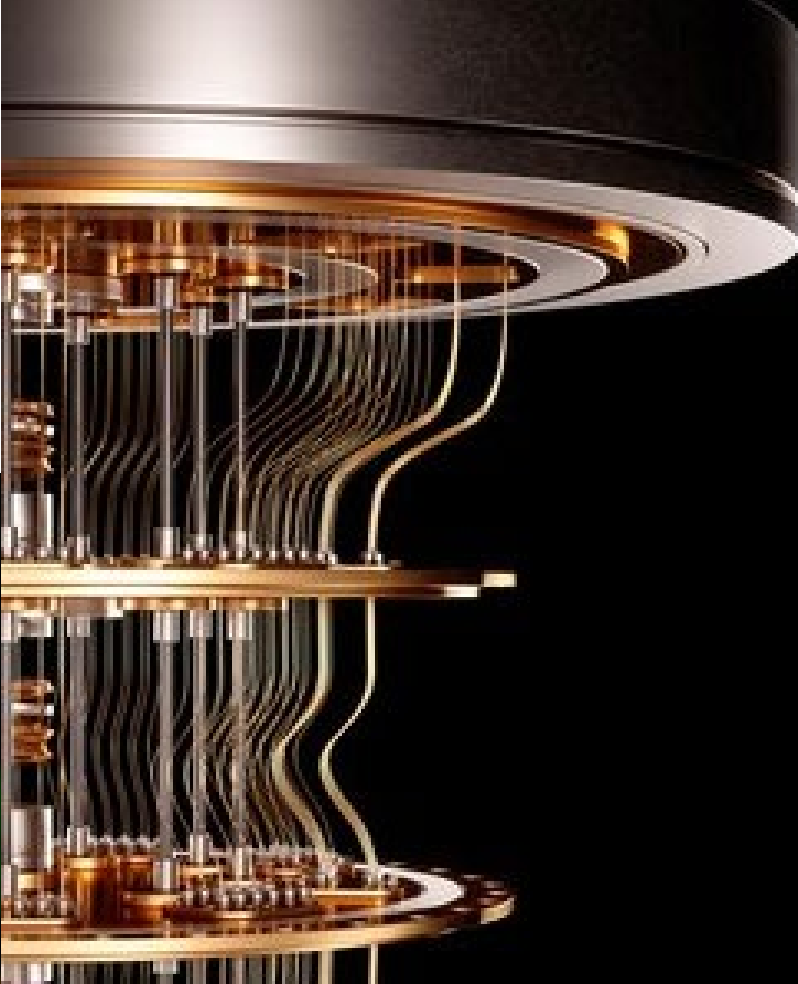
tcleophas@bom.nl

**NXT
GEN**
hightech

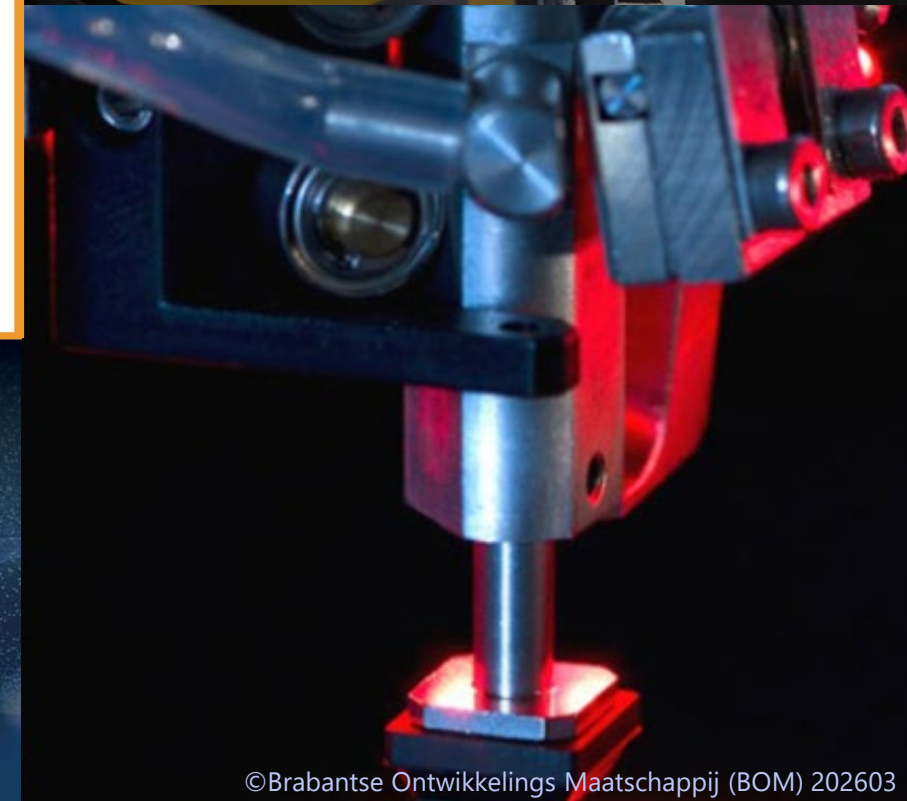
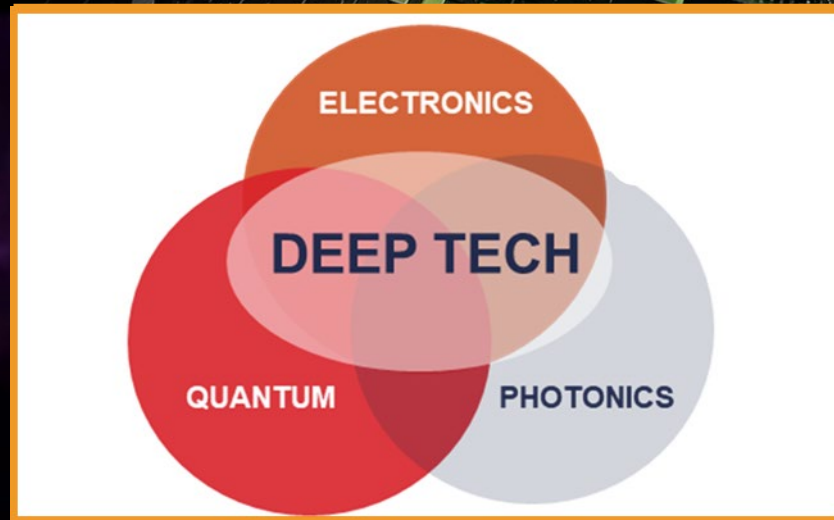
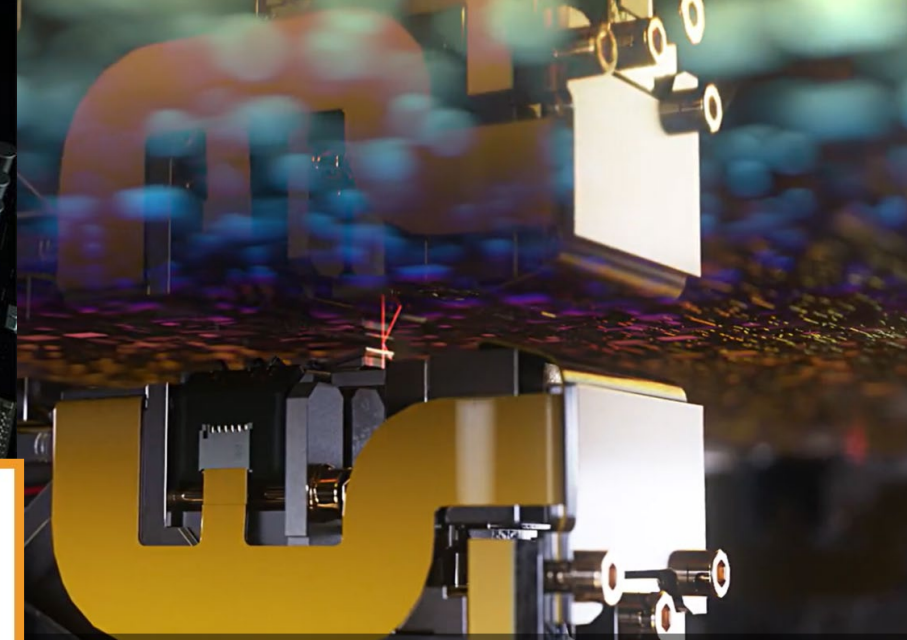
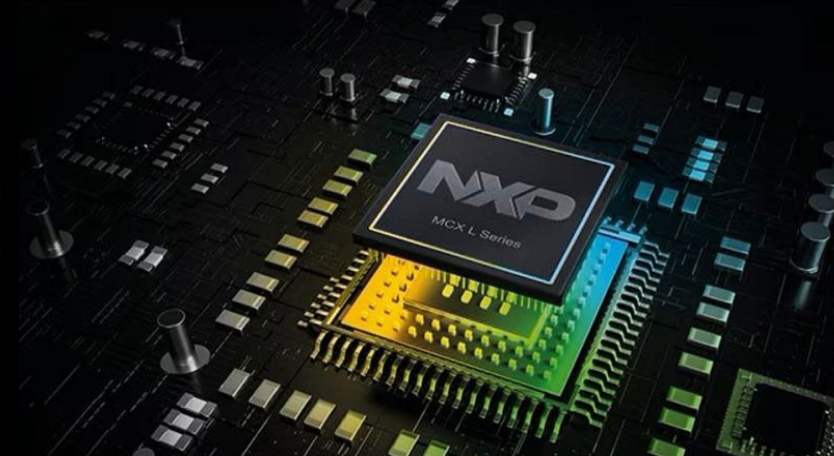
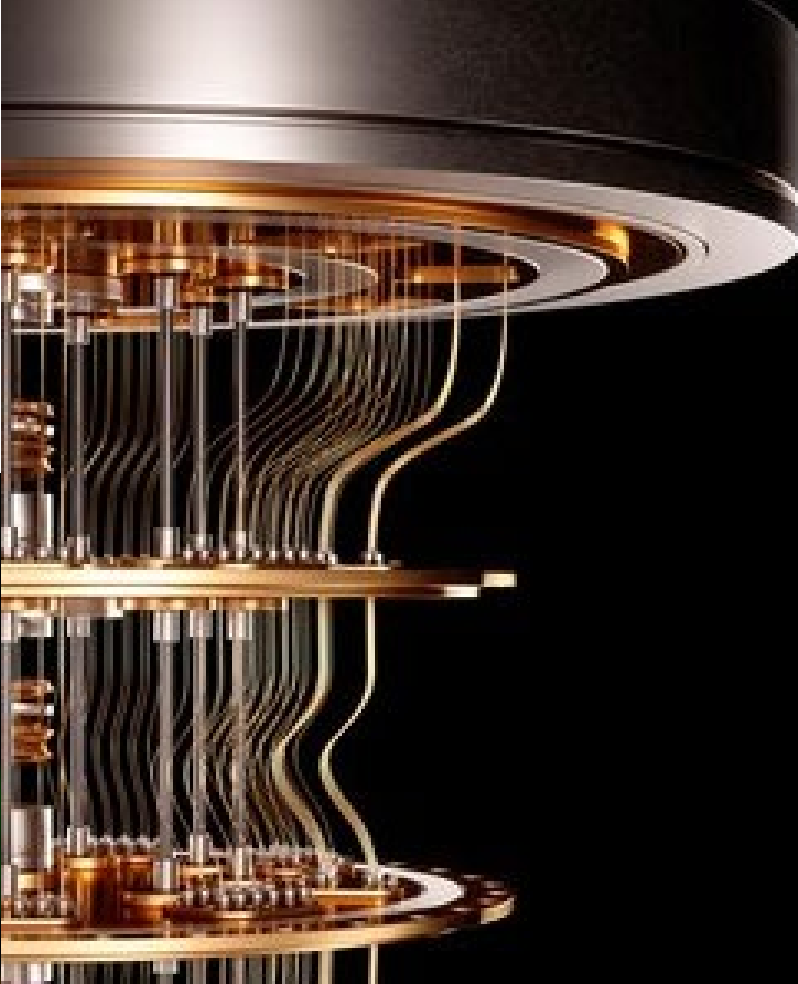
Ecosysteem Summit 2026

Brabantse Ontwikkelings Maatschappij

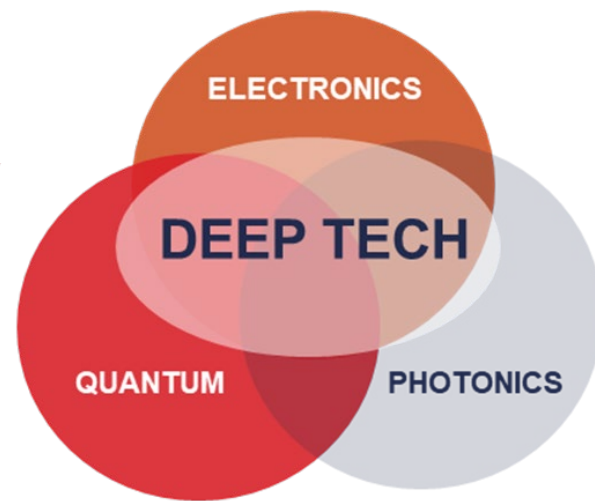


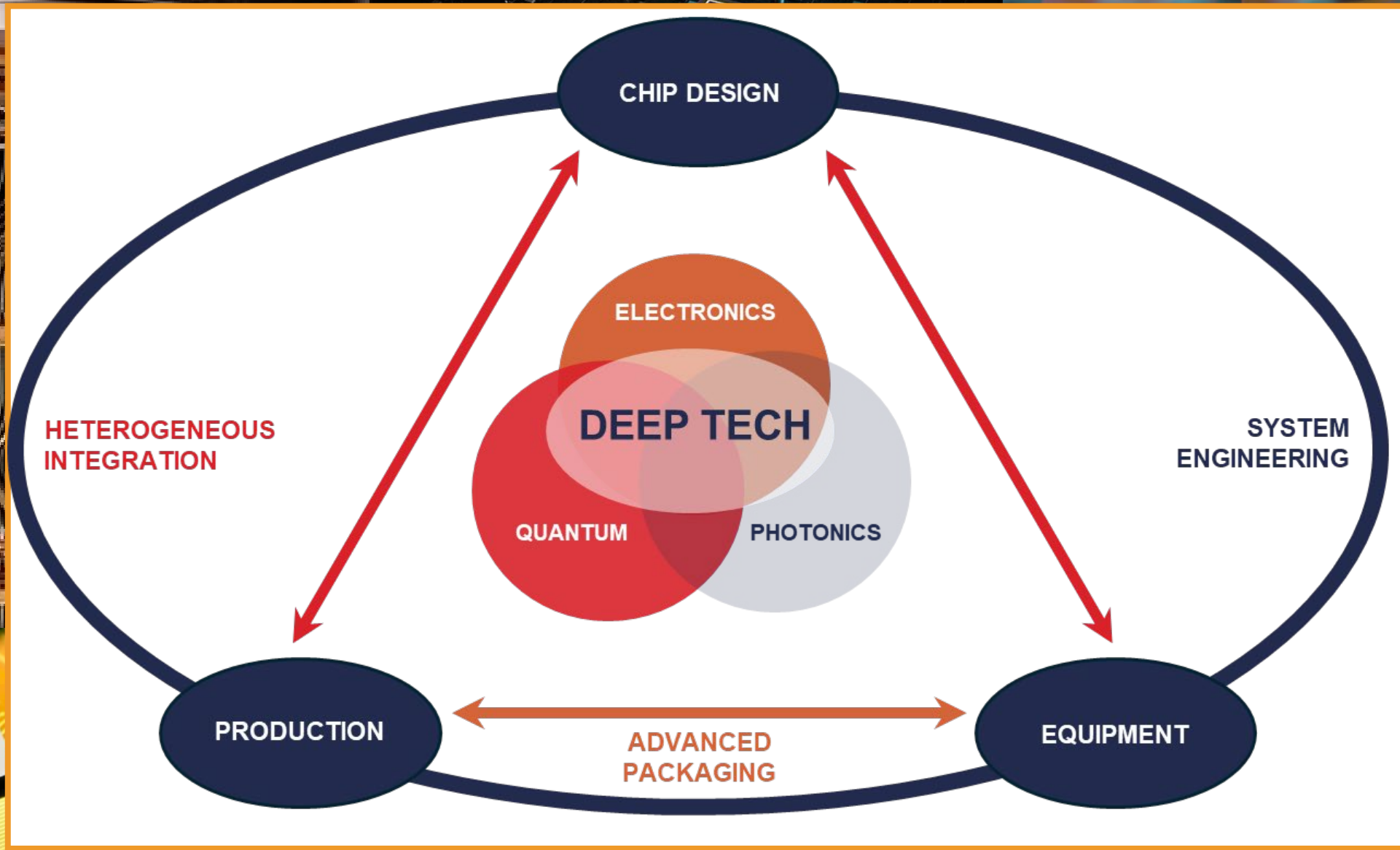


**There is a global need for deep tech industrialisation.
The Netherlands has developed a unique position for this.**



The Netherlands has a unique position in Semicon, Integrated Photonics and Quantum that need and can strengthen one another.





Coordinated approach offers the critical mass needed.



A world unique deep tech ecosystem which is further being strengthened

Programming driving innovation and ecosystem strengthening



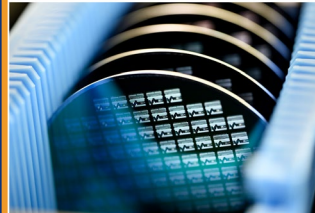
AMSTERDAM

- Applied Quantum Algorithms
- Quantum Sensing & Simulations

PIXEurope consortium to lead the European pilot line on advanced photonic integrated circuits

DECEMBER 5, 2024

Along with several Dutch partners, TUE will contribute to the PIXEurope pilot line – the fifth pilot line of the European Chips Act.



Imec and TNO launch Holst Centre Photonics Lab

Integrated photonics 7 May 2025

ASM International to invest hundreds of millions in Almere

December 18, 2025



ASM International's current offices in Almere. Photo: ANP / wvdanthe hooftje / Hout H&Z

Chip equipment maker ASM International (ASM) is to invest hundreds of millions of euros in a new location in Almere, the [government has announced](#).

AMBIITION TO BE EUROPE'S LEADING CHIP UNIVERSITY TU/e launches Casimir Institute for semicon and high-tech systems

SEPTEMBER 30, 2025

Eindhoven University of Technology (TU/e) today officially opens the Casimir Institute, its new research institute for future chips and high-tech systems.



European AI chip startup Axelera raises additional \$250 million

By Reuters

February 24, 2026 7:16 PM GMT+1 Updated February 24, 2026



Semicon Clusters

Leading Integrated Photonics Clusters

Quantum Technology & Industrialization Hubs

Eindhoven, University of Technology

Indium Phosphide Cluster

EINDHOVEN

- Quantum Computing
- Quantum Networking

Silicon Photonics Cluster (Belgium)

Deep Tech Product Realization



Industry Capabilities & Ecosystem

Accelerating deep tech industrialisation



Diversifying Dutch high tech and semicon industry



Coordination, cross learning, strengthen our position in future deep tech value chains

Co-development | Validation | Supply Chain | Productization | Manufacturing | Venture Building | Capital



TRL4

TRL5

TRL6

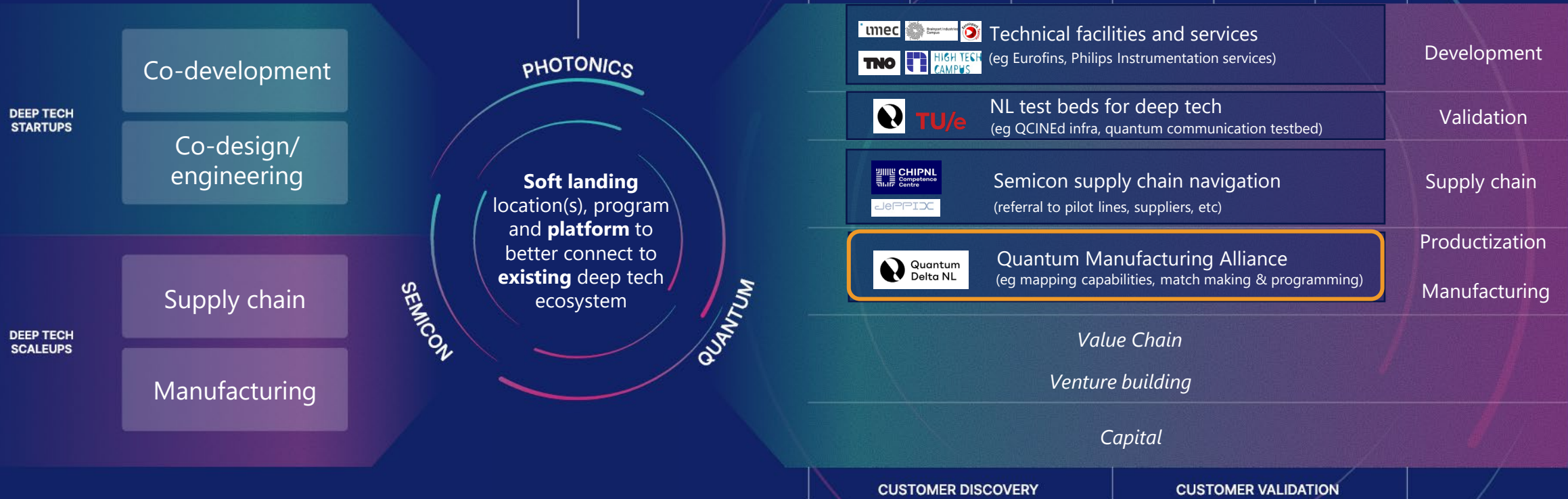
TRL7

TRL8

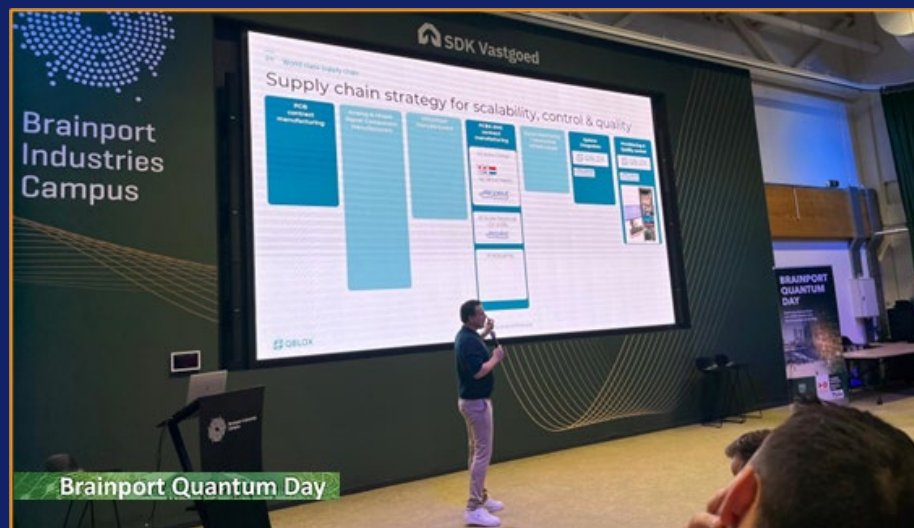
TRL9

More coordinated support during industrialisation phase, whilst minimizing risks, costs and time to market

Industrialisation Hub for Deep Tech



Support existing programs by better connecting them to deep tech innovation and industrialisation demand.



Quantum Delta NL

Quantum Meets 2026

Industrialisation track

Track
Industry & Ecosystem

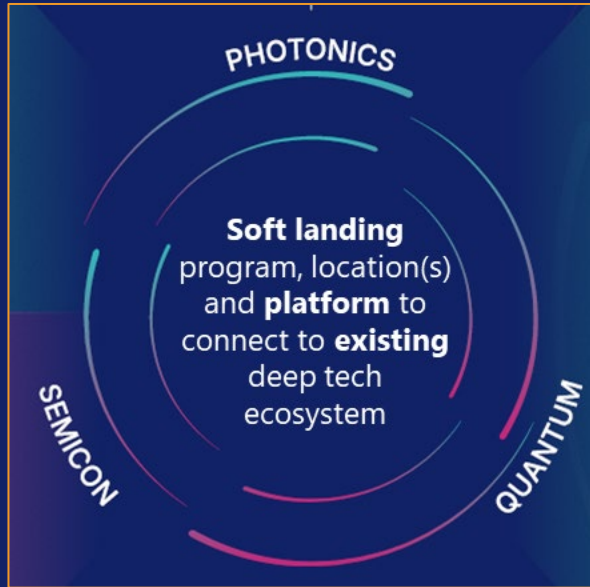
Target audience
Quantum hardware companies, hightech manufacturing companies, system integrators

Co-organizers
Brainport Development, NFIA, BOM, Innovation Quarter, OostNL



QMA: Supporting quantum companies to industrialize their solutions with support of Dutch industry partners.

Industrialisation hub for deep tech

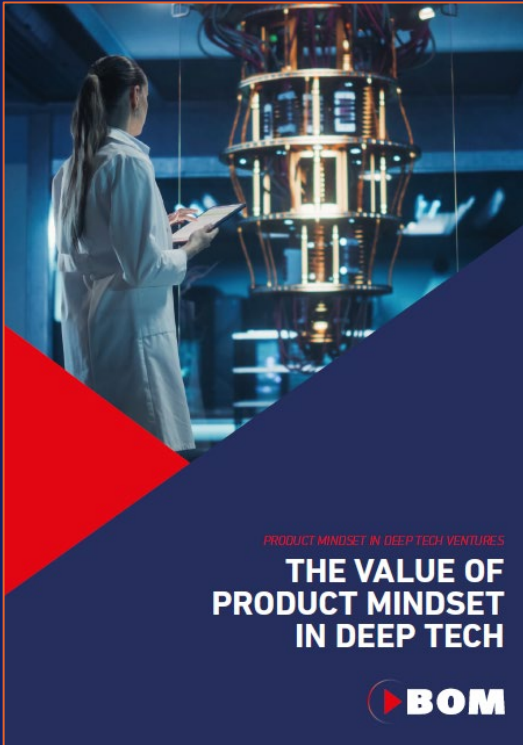


Synergies, cross learning for steeper learning curves

More successful and effective upscaling

Secure NL position in future value chains

WIN – WIN



for some inspiration...



THANK YOU