

Cooperation is all you need

BRAINPORT
EINDHOVEN


BRAINPORT
EINDHOVEN
home of pioneers

Brainport Eindhoven

Europe
Inhabitants: +750 mln – 10 mln km2

Netherlands
Inhabitants: +17 mln – 40,000 km2

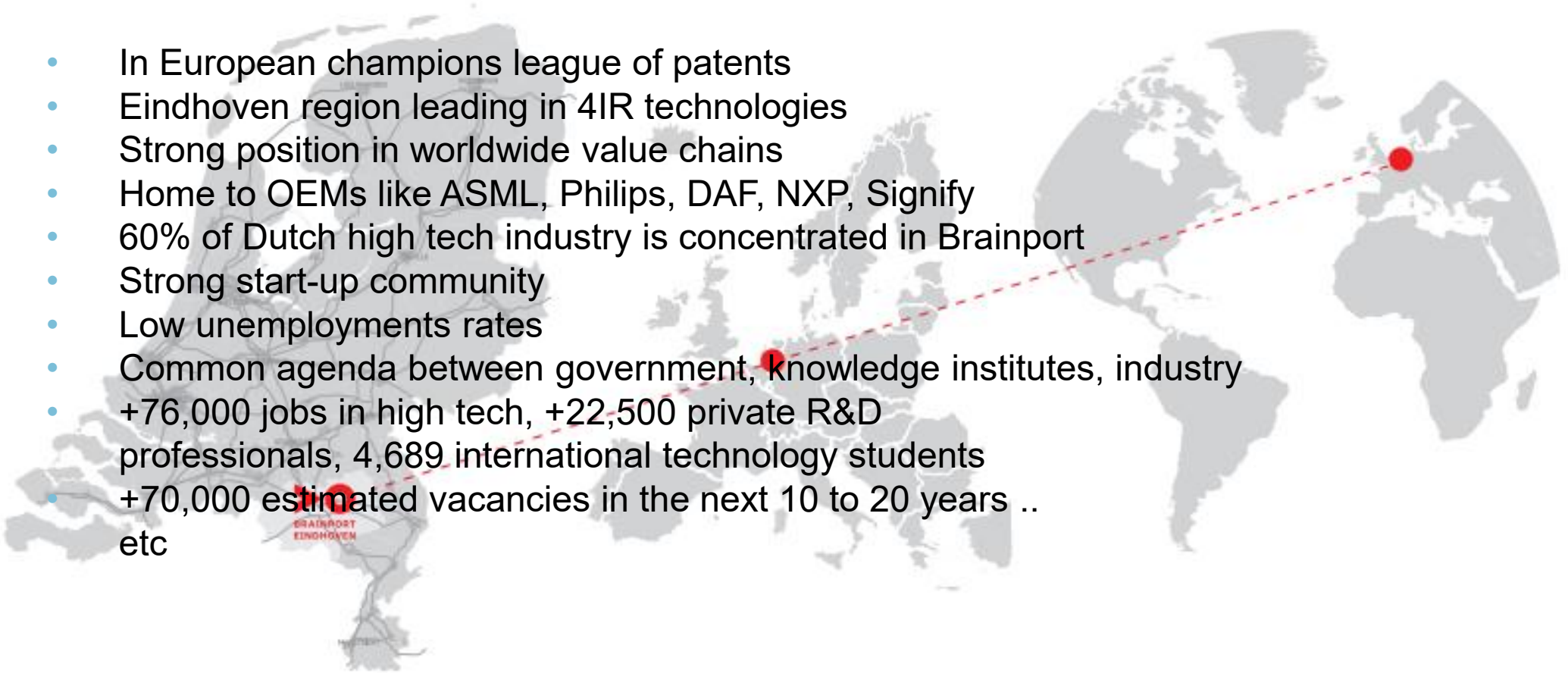
Brainport Eindhoven
Inhabitants: +800,000 – 1,452 km2

Eindhoven
Inhabitants: +250,000 – 90 km2



BRAINPORT
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Brainport Eindhoven



- In European champions league of patents
- Eindhoven region leading in 4IR technologies
- Strong position in worldwide value chains
- Home to OEMs like ASML, Philips, DAF, NXP, Signify
- 60% of Dutch high tech industry is concentrated in Brainport
- Strong start-up community
- Low unemployments rates
- Common agenda between government, knowledge institutes, industry
- +76,000 jobs in high tech, +22,500 private R&D professionals, 4,689 international technology students
- +70,000 estimated vacancies in the next 10 to 20 years ..

etc

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Made in Brainport Eindhoven

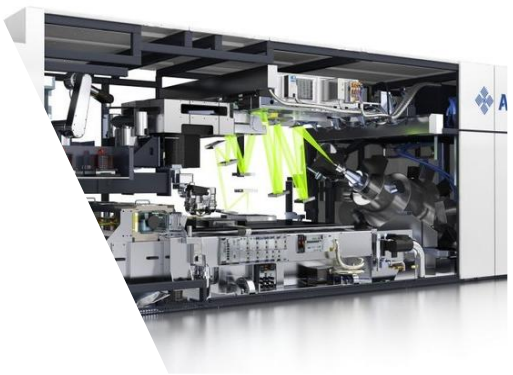
















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Philips' legacy



Born out of necessity





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Impact on collaborative DNA today



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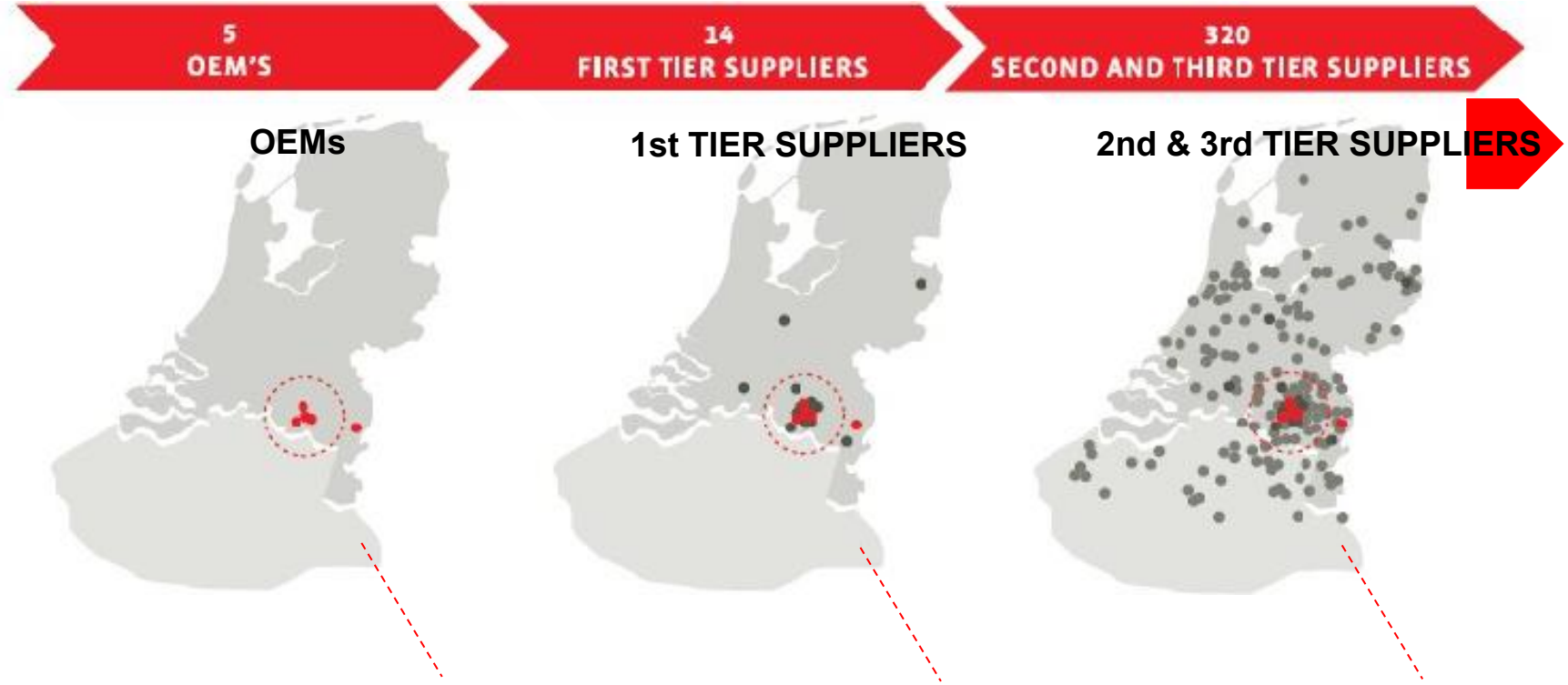
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Companies and ecosystem

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Strong interconnected supply chains



BRAINPORT <40 km Eindhoven: **80%**

ASML
DAF
Thermo Fisher Scientific
Océ
Philips Healthcare
NXP
Signify

BRAINPORT <40 km Eindhoven: **71%**

Participating in ≥2 chains:

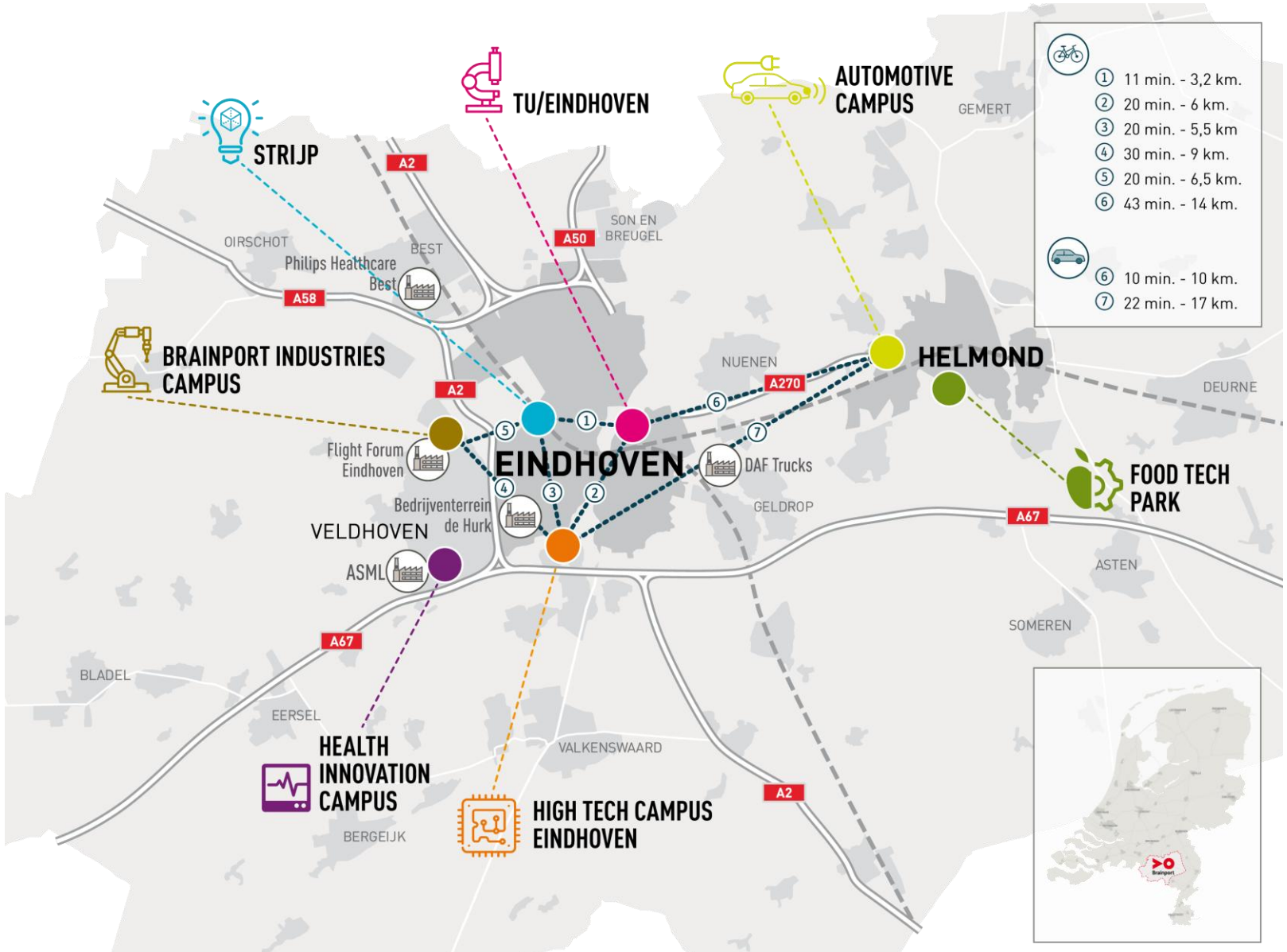
Bosch Rexroth	Frencken
GIS Europe	GL Group
KMWE	Neways
Norma	NTS Group
Optiwa	Pezy
Prodrive	SKF
VDL ETG	Wilvo

BRAINPORT <40 km Eindhoven: **34%**

Netherlands (rest)	38%
Belgium	12%
Germany	7%
USA	4%
ROW	5%

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Open innovation and co-creation on campuses



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One common agenda

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One common agenda

1 INNOVATION, TECHNOLOGY AND ENTREPRENEURSHIP

Task 1:
Develop key enabling technologies: the technologies of the future

Task 2:
New technology-market combinations for societal challenges

Task 3:
Support SME's, startups and scale-ups

Task 4:
Funding for startups and scale-ups

2 TALENT: THE FUEL FOR OUR TECHNOLOGICAL ENGINE

Task 5:
Innovative education for all pupils and students in Brainport

Task 6:
Everyone in Brainport abides by the principles of Lifelong Learning

Task 7:
A well-balanced labor market: the right people in the right jobs

3 LIVING ENVIRONMENT AND BUSINESS CLIMATE

Task 8:
Invest in joint amenities and accessibility

Task 9:
The triple helix as driving force for widespread prosperity

Task 10:
Instruments to support public-private ecosystems

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Developing KET's and markets for transition

1

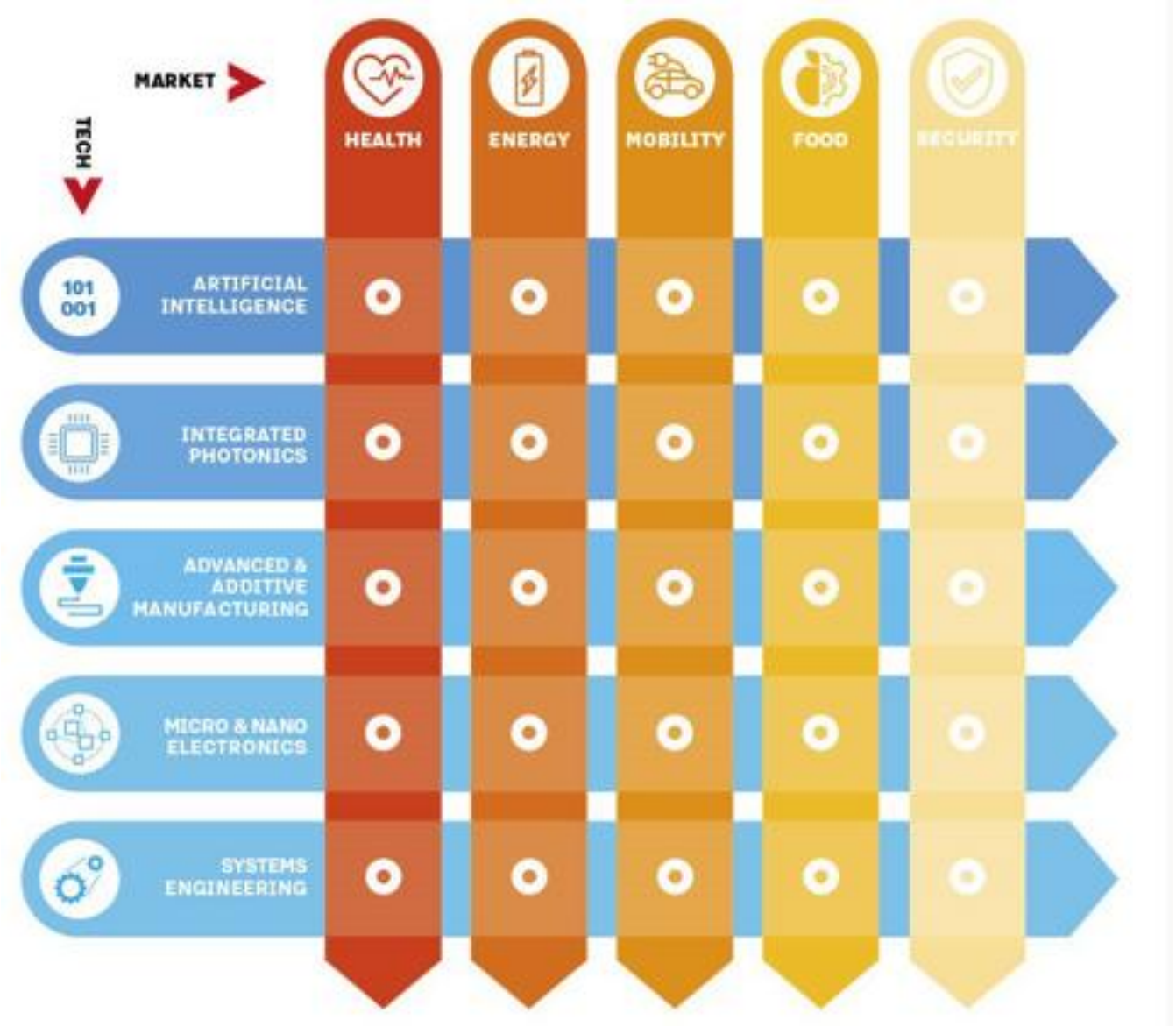
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Innovation technology and entrepreneurship

1

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Examples of clusters

PhotonDelta
Gateway to Integrated Photonics

Battery Competence Center

Urban Development Initiative
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AI-hub BRAINPORT

NEXT TECH FOOD FACTORIES

Examples joint infrastructure

The Gate
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Cyber Weerbaarheidscentrum
BRAINPORT

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Talent: the fuel for our technological engine

2

TALENT:
THE FUEL FOR OUR TECHNOLOGICAL ENGINE

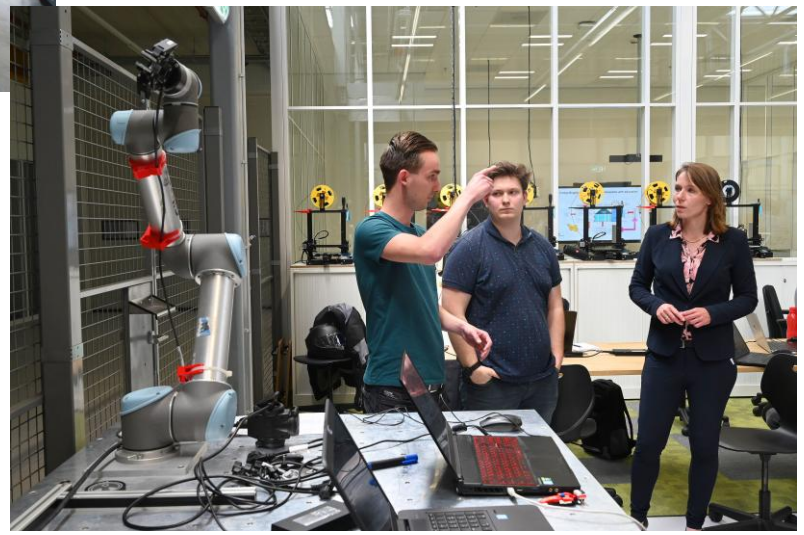
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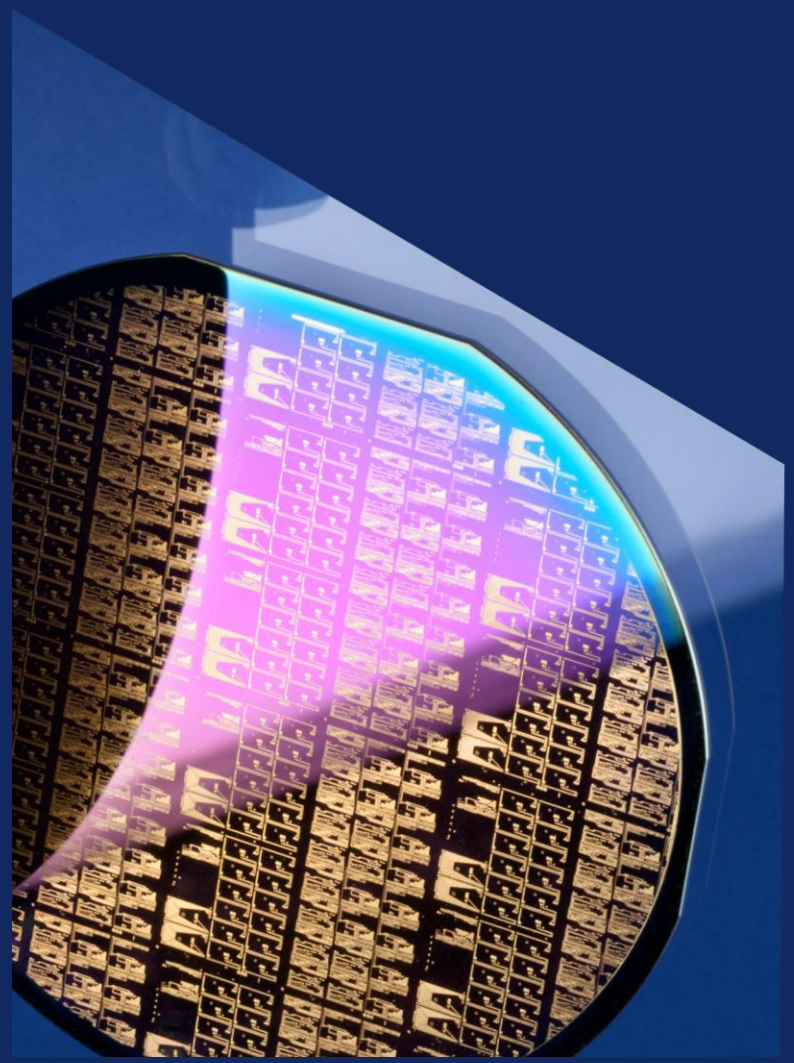


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01 TECH CLUSTERS

Semicon & Photonics

Value chain at HTCE



FABLESS CHIP DESIGNER

3T · ampicq · astrape · AXELERA · Euclyd · tegra · TELEDYNE DALSA Everywhereyoulook

EQUIPMENT MANUFACTURERS

ASML · Daitron · KEIRON · LACE LITHOGRAPHY · NEARFIELD INSTRUMENTS · SCIL

INTEGRATED DEVICE MANUFACTURERS (IDM'S)

ANALOG DEVICES · intel · life.augmented · NXP · Texas Instruments

DESIGN SOFTWARE

synopsys

TESTING AND PACKAGING

eliyan · intel · OMT Solutions bv · signify · FononTech

COMPONENTS & MATERIALS

aalberts · CoolSem · eyeo · ISTEQ · molex · THK The Mark of Linear Motion

INVESTORS

DEEP TECH XL · Innovation Industries · Rabobank · ScaleUpCapital

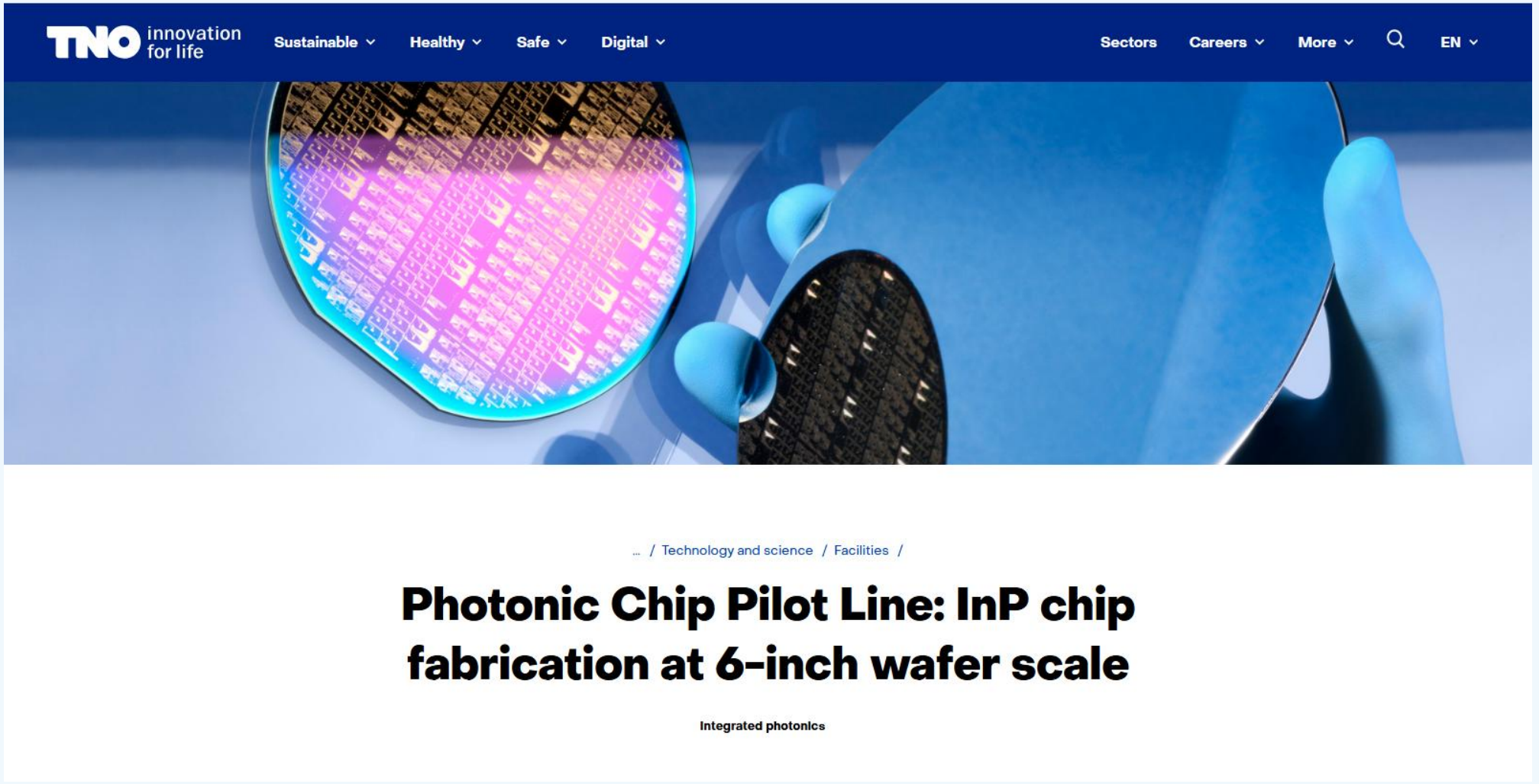
FOUNDRIES

SMART PHOTONICS · XIVER

R&D & ECOSYSTEM PARTNERS

TNO innovation for life · High Tech NL Share innovation. Shape tomorrow. · NXT GEN hightech · imec · PITC · PhotonDelta · Holst Centre by imec & TNO · HIGH TECH XL · etteplan

Recent developments – PIX Europe



Co-funded by

Co-funded by the European Union

Chips JU

PhotonDelta

TNO

Ministerie van Economische Zaken

Rijksdienst voor Ondernemend Nederland

Ministerie van Defensie

Partners

HIGH TECH CAMPUS EINDHOVEN

PITC Photonic Integration Technology Center

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

UNIVERSITY OF TWENTE.

PIX·Europe

End users

SMART PHOTONICS






Thank you!
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