Welcome to Brainport Eindhoven
Brainport Eindhoven

- World class high tech region
- High level of private R&D
- Strong manufacturing industry
- Unique design sector
- Triple Helix cooperation
Brainport Eindhoven

Facts & figures

- Economische groei (2019): 1.1%
- Private R&D uitgave (2017): 2.4 MLD
- Patentaanvragen (2019): 3.757
- Export HTSM (2019): 22.9 MLD
- Banen in de HTSM (2019): 72.868
Originated out of Philips
System integration as core competence
Brainport ecosysteem

CORE COMPETENCES
- Design thinking
- System integration
- High precision engineering
- Material knowledge
- Mechatronics
- Data science
- Human Technology Interaction

TECHNOLOGIES
- Information Technology
- Optics
- Advanced manufacturing systems
- Components and circuits
- Additive manufacturing
- Imaging
- Thin film solar
- Integrated photonics
- Robotics
- AR/VR
- EUV
- Nano-electronics
- Flexible electronics
- IoT
- Sensor technology
- Advanced materials
- IT

MARKET
- High tech systems
- Semiconductors
- Energy
- Smart City
- Design
- Agri food
- Aerospace
- Automotive
- Industry 4.0
- Safety
- Health
- Printing
- Lighting
HOW?
Exceptional collaboration between OEM’s and suppliers but also between companies, knowledge institutes and governments, open supply chains, OEM whitebox model, room to experiment, innovative pioneering, informal, open attitude.

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WHAT WE EXCEL AT
- Smart energy applications
- Capture and generation
- Storage and conversion
- Solar PV
- Nuclear fusion
- Energy
- Chemergy
- Urban Energy

Start-ups and Student Teams
- Lightyear
- Miov
- Team Solid
- Solar Team Eindhoven
- TU/Ecomotive
- InMotion
- Team Fast

Partnerships
- NanoNext
- Fuelliance
- Energy Fund Brabant
- Smart Energy Regions
- KIC InnoEnergy
- Brainport Smart District
- Nytrar Metalor Hub

Energy Technology Companies
- IBIS Power
- Atelios
- Autec
- Solaris
- EcoVolt
- Heliox
- VDL Bus & Coach
- VoltaChem
- V-Storage
- Ecorus

Industrial Research Partners
- Shell
- Philips
- AMNL
- Heijmans
- Heliatek
- Heneqy
- Bosch Rexroth
- DSM
- Centrica
- DYESOL
- Panasonic
- ABB

R&D institutes
- TNO
- Tübe Energy
- ECN
- Solliance
- DIFFEI
- SEAC
- Holst Centre
- Syngaschem B.V.

R&D Facilities
- Wind Tunnel
- SolarBeat
- Future Fuels Lab
- SolarLab
- HeatCentre
- Differ Magma PSI
12.500 studenten
1.400 PhD’ers
560 tenured staff
1.000 support staff
105 bedrijven
14 onderzoekslabs
20.000 arbeiders
160 bedrijven
40% Patenten NL

Echte Triple Helix samenwerking
System of Systems: systeemintegratie
Top kennis & ondernemerschap
Nr.1 co-publicaties TU e & bedrijven

30 ha
135.000 m²
1.500 bewoners
2.500 arbeiders
600 bedrijven

40 ha. / 11.000 m²
35 bedrijven + 25 labs
600 research/engineer

65 ha
5 bedrijven & scholing onder 1 dak
Smart Industry

54 ha
365.000 m²
20.000 arbeiders
160 bedrijven
40% Patenten NL

35 bedrijven + 25 labs
Brainport Development

Working together on a strong Brainport Eindhoven

- Develop strategic agenda with and for the region
- Project development and execution
- Business development
- Human Capital
- Branding of the region
Support of regional industry in H2 implementation - examples

**Dutch Elektrolyser**
Development of Dutch electrolyser supply chain

**GreenH2UB**
Clean 10 MW Hydrogen hub

**Metalot Future Energy Lab**
Hydrogen field lab and test facilities (ATEX-environment)
Support of regional industry in H2 implementation - examples

Market study elektrolysers

*Not exhaustive