

PERSONAL INTRODUCTION

Michel Weeda

Current positions

- Manager Innovation Program "Factory of the Future"
- Member MT Brainport Industries Campus
- Sr. Program Manager High Tech & Services, BOM

Former positions & industrial background

- Co Founder "World Class Maintenance"
- Regional Team Manager, Stork
- Risk Management Consultant, AEA/Ricardo

Educational background

- Mechanical Engineering (MSc.)
- Master Management & Organisation (MMO)

















Innovation Program Factory of the Future

Content presentation

- Introduction Brainport Industries Cooperation
- Introduction Brainport Industries Campus
- Innovation Program "Factory of the Future"

PART OF THE BIC PICTURE

BIC Explanation Movie

BRAINPORT INDUSTRIES

Founded in 2011

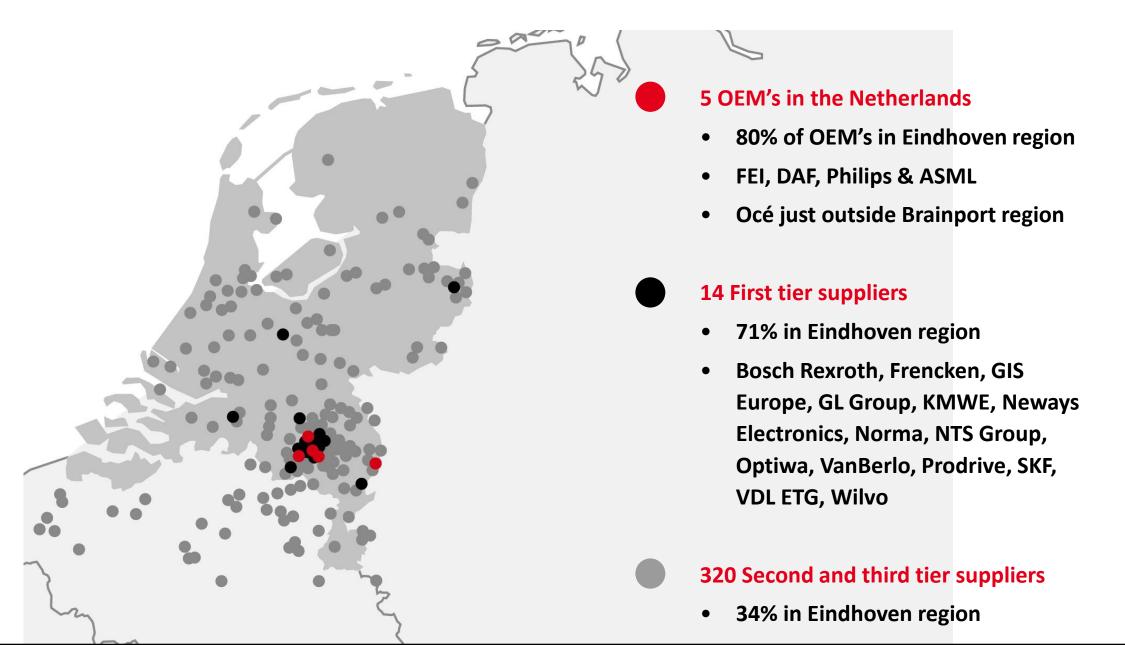


Founding partners Brainport Industries Cooperation (March 3 2011): NTS Group, Frencken, KMWE, Van der Hoorn Buigtechniek, Van Berlo, Sioux, Eurotechniek & HTR Rubber & Foam, supported by Brainport Development & BOM.



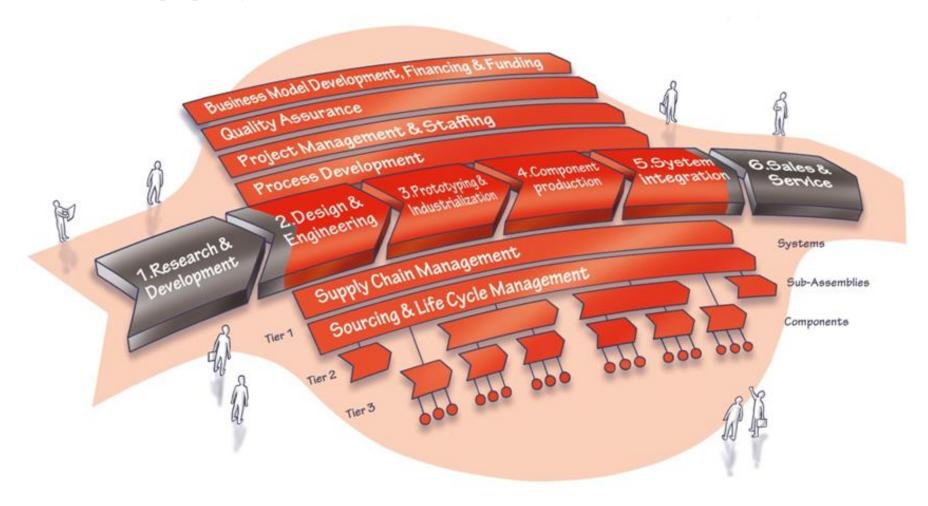


BASED IN EINDHOVEN: HOME OF THE HIGH TECH SUPPLY CHAIN



BRAINPORT INDUSTRIES

Open Supply Network



MEMBERS (>10K FTE >2,5 BLN € TURNOVER)



BRAINPORT INDUSTRIES

Program Lines

Brainport Industries initiates & develops projects in the field of:

- Human capital / Talent & Cooperation
- International Markets & Supply chain
- Technology & Manufacturing processes

Goal is to accelerate innovation power & improve competitiveness of Dutch (high tech) supply chain network.

Smart Industry ambitions

By 2021 the Netherlands has developed the best and most flexible "digital connected" production network in Europe

8 transformation with ultimate = ambitions

1 Zero defects in production/product:

100% Q-control at each production step

2 Zero-problems at customer site/usage:

100% monitoring of usage of product/service

3 Zero tooling:

3D printing/additive manufacturing

4 Zero delay:

lean manufucturing, just-in-time, lot size n=1

5 Zero waste

recycling and sustainable energy

6 Zero drop-out

life long learning for every one

7 Zero programming:

2G/3G robots with sensing

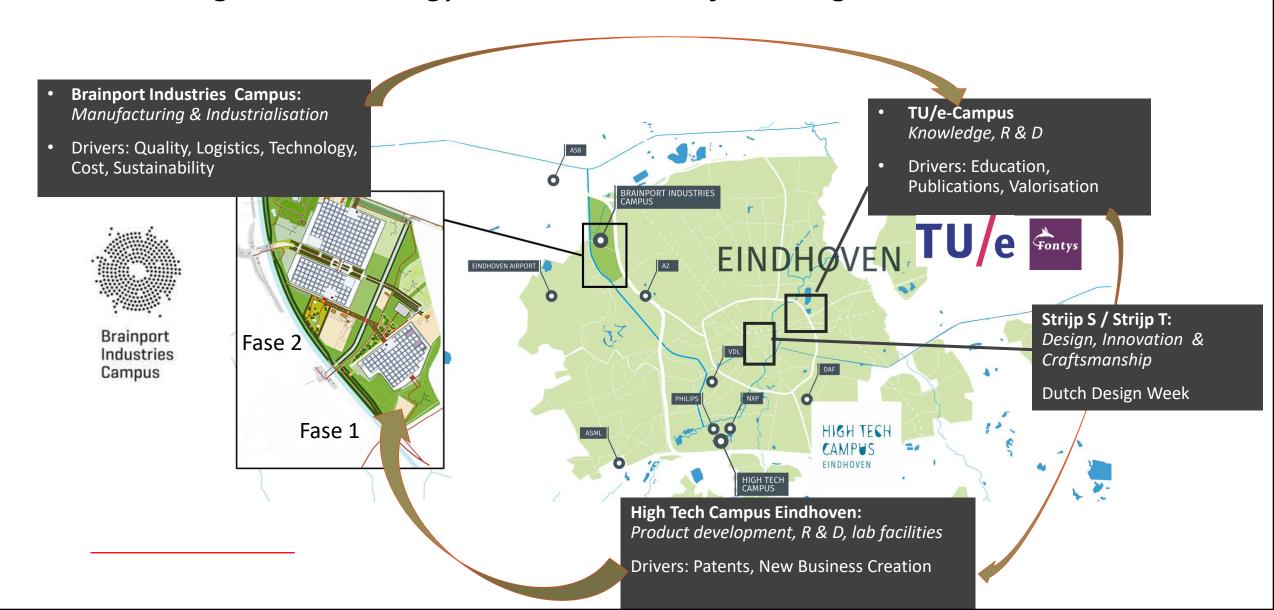
8 Zero surprise:

predictive maintenance



High Tech Systems "ecosystem" Brabant – Brainport region

Knowledge & Technology > Product Manufacturing > Global Business



Factory of the Future

1. Smart building

Your production facilities prepared for the future

2. Shared Production Facilities

Sharing enhances productivity of individual companies

3. Smart and shared logistics

Operational excellence improvement of the total supply chain

4. (Production) service boulevard

Broad diversity of manufacturing support services

5. Digital factory

Real-time product and process data

6. Sustainable supply chain







BIC (development) Partners











Provincie Noord-Brabant

BIC (services) Partners









BIC current tenants

































































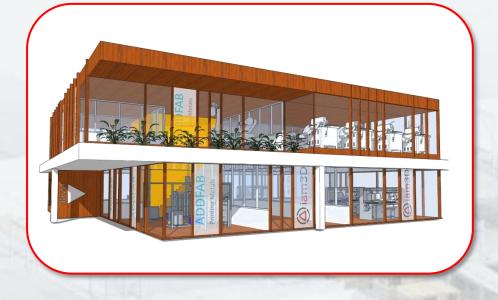












- Main entrance for the building clusters
- Location for shared services and facilities
- Space for education and knowledge institutes
- Location for start-ups
- Logistics zone + storage under the atrium
- Meeting & inspiration place for employees, visitors and students
- Showrooms & Service boulevard



SMART INDUSTRY

National & Regional Smart Industry Program



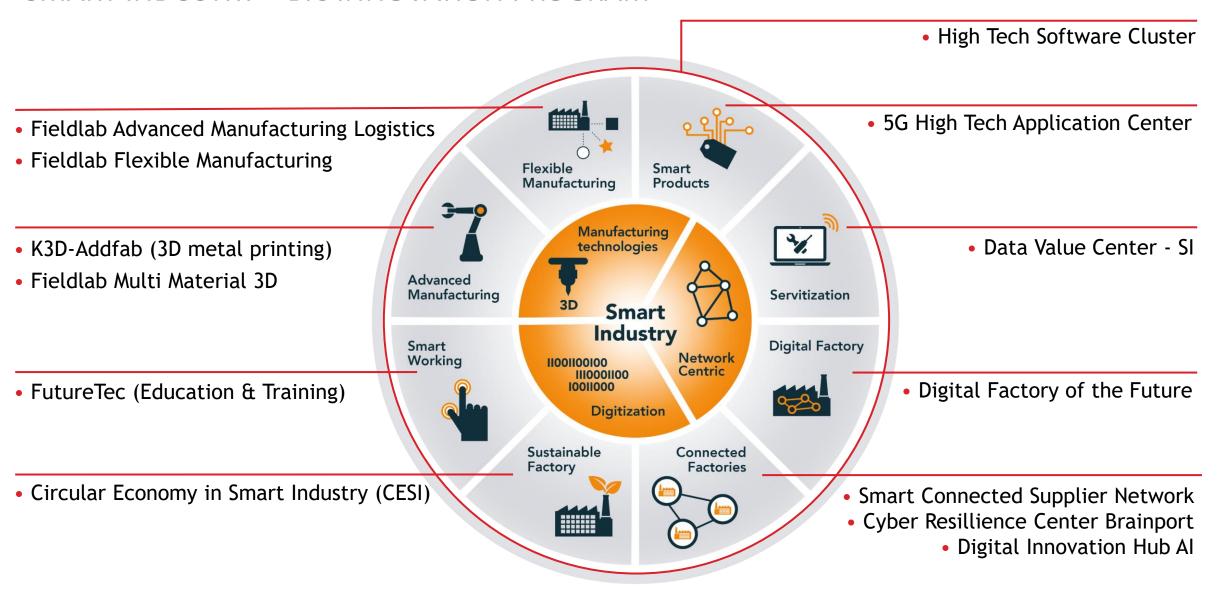






Provincie Noord-Brabant

SMART INDUSTRY – BIC INNOVATION PROGRAM



Fieldlab High Tech Software Cluster

Digitization of industrial products and processes

- Virtual Prototyping and Design
- Artificial Intelligence and Machine Learning
- Big Data Analytics and Data Services
- Industrial 5G and Wireless Communication
- Model-based Software Engineering
- Industrial Internet of Things

HIGH TECH SOFTWARE CLUSTER



Fieldlab High Tech Software Cluster

HIGH TECH SOFTWARE CLUSTER

PARTNERS























































Digital Factory

- Access to data at BIC and other locations
- Development of a blueprint for the Digital Factory of the Future, focussing on:
 - Collecting and using data within one factory
 - Controlled sharing of data in the chain with customers, suppliers and providers of new services
- Testing, research and development environment
- Development of new business models



Digital Factory

PARTNERS

























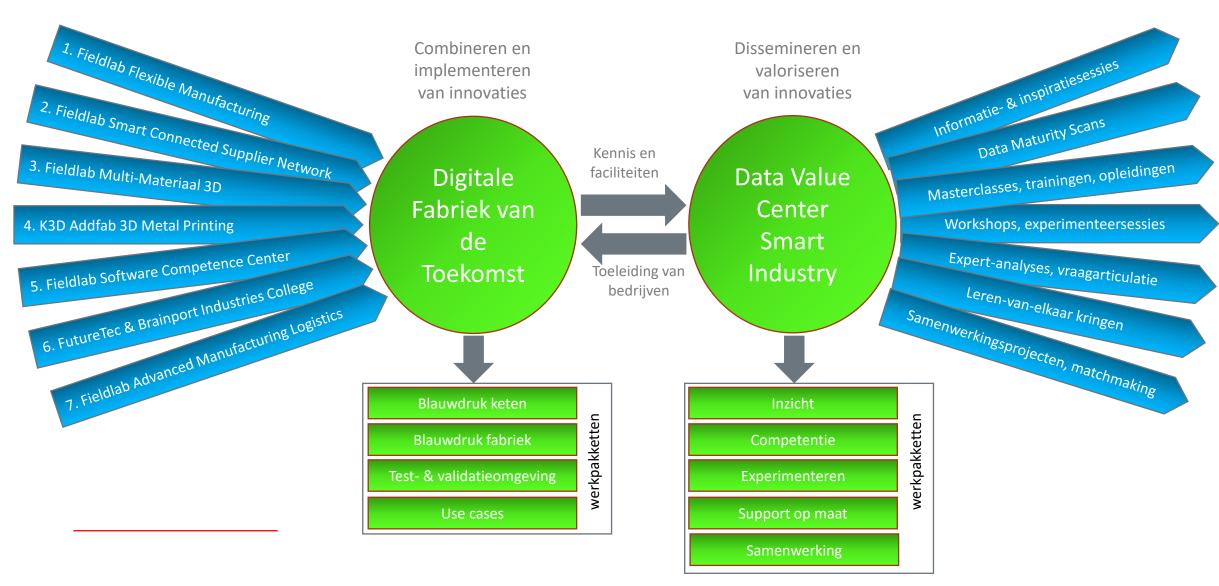








Digital Factory & Data Value Center SI



Factory of the Future

www.brainportindustries.com/nl/innovatieprogramma

www.brainportindustriescampus.com/nl/home





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