

Life Sciences & Health in Brabant

BRABANT
IS BRIGHT



This is why Brabant excels



Strong industrial heritage (100+ years) of companies like Philips and MSD



Perfect geographical location between the biggest (air)ports of Europe



Excellent education at 15 top universities within a 1.5 hour's drive



A distinct strong culture, history and tradition in informal and constructive partnerships based on trust and open innovation

Key Players

ThermoFisher
SCIENTIFIC

PHILIPS
Healthcare



AMGEN

FUJIFILM
Irvine Scientific

**BRABANT
IS BRIGHT**

100 years of pharma innovation *initiated by* Organon

Life Sciences & Health in Brabant

HISTORY

100 years in the making. Brabant's development into a pharmaceutical hotspot grew out of its industrialization in the 19th century when Dr. Saal van Zwanenberg founded Organon. The company grew into the largest pharmaceutical company in the Netherlands. In 2009 Organon was acquired by Schering Plough, which was in turn bought by MSD in 2009.

1923



2021



TODAY

MSD is growing fast in Brabant with more than 4,000 people working at three locations. Since 2012, the R&D-site of MSD/ Organon has been transformed into an open innovation campus called Pivot Park, at present with over 600 people and 60 companies working closely together on drug discovery and development, with a special focus on Immunology. And all this with drug success stories such as Pembrolizumab (Keytruda) and Calquence (Acerta Pharma/ AstraZeneca).

**BRABANT
IS BRIGHT**

100 years of Medtech innovation *initiated by* Philips

Life Sciences & Health in Brabant

HISTORY

100 years in the making. Brabant's development into a hightech hotspot grew out of its industrialisation in the 19th century when Frederik Philips and his son, Gerard, founded Philips. Philips grew into one of the largest hightech companies in the world and famous for its lightbulbs, DVD players and TV-sets. After the year 2000, Philips saw a bright future in healthcare. So, company management decided to wind down and sell the components and lightning divisions.

2000



2021



TODAY

Philips is a leading health technology solutions company with 73,000 employees worldwide, operating facilities in 100 countries. 11,000 people work in the Netherlands and the vast majority of those employees (8,500) is employed in the Eindhoven area. "In Brainport Eindhoven, Philips engages in research that focuses on innovations for clinics, software, high tech systems such as MRI & CT scanners and X-ray, and artificial intelligence. In the city of Best, Philips has the largest production site in the world. Philips is still driving innovation within the region and has created open innovation hubs like the High Tech Campus, where 12,000 researchers work in the smartest square kilometer of Europe.

Because of this heritage Brabant particularly excels in:



Drug discovery and development
with a special focus on Immunology.



High Tech Manufacturing and
Added Value Medical Technology
Logistics.



**Biomaterials for Regenerative
Medicine** with Orthopedic and
Cardiovascular applications.



**Building the most complex
systems in the world**
for Imaging, Diagnostics,
Monitoring and Medical Robotics

**BRABANT
IS BRIGHT**

KEY FACTS



11.1%
growth of the
sector from 2014-2018

8.4%
total LS&H sector
in The Netherlands

Life Sciences & Health in Brabant

5 billion
euros

The Brabant Production Value in
2017 in the sector.

that's more than the production value of the
all other eleven provinces together

JOB

73.1%

of the Medtech
Manufacturing
Jobs and...

40.8%

of the Pharma
Manufacturing Jobs
are in Brabant

23,5%

18.160 jobs of the total LS&H
sector in The Netherlands

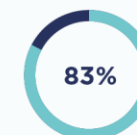
10.000

people working for Tier 1 and
Tier 2 high tech suppliers to
the LS&H manufacturing chain

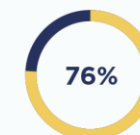
32.321

people who work in STZ-
Hospitals or specialized clinics

BRABANT PATENT SHARE IN THE NETHERLANDS



Imaging, Diagnostics
and Monitoring



Wearable
Health Care



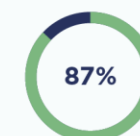
Immunology
Diagnostics



Medical
Technology



Biodegradable
Valves



Robotics in
Healthcare

Cluster size Life Sciences & Health

Source: In-depth Analysis Life Sciences & Health,
2020 (commissioned by BOM)

LS&H footprint

Companies

All company establishments highlighted above are production or R&D operations

Education

1. Eindhoven University of Technology (TU/e), Eindhoven
2. Avans University of Applied Sciences, Den Bosch/Breda/Tilburg
3. Fontys University of Applied Sciences, Eindhoven/Bergen op Zoom/Helmond/Den Bosch/Tilburg/Veghel
4. Pivot Park, Oss
5. High Tech Campus, Eindhoven
6. HAS University of Applied Sciences, Den Bosch



Prominent players in Brabant

AMGEN

 **MSD**

 **Abbott**

Johnson & Johnson

 **REPLIGEN**
INSPIRING ADVANCES IN BIOPROCESSING

 **NOVARTIS**
Consumer Health

FUJIFILM

 **ORGANON**

 **GE Healthcare**

Canon
CANON MEDICAL

PHILIPS
Healthcare

ThermoFisher
SCIENTIFIC

 **sysmex**

 **TELEDYNE
DALSA**

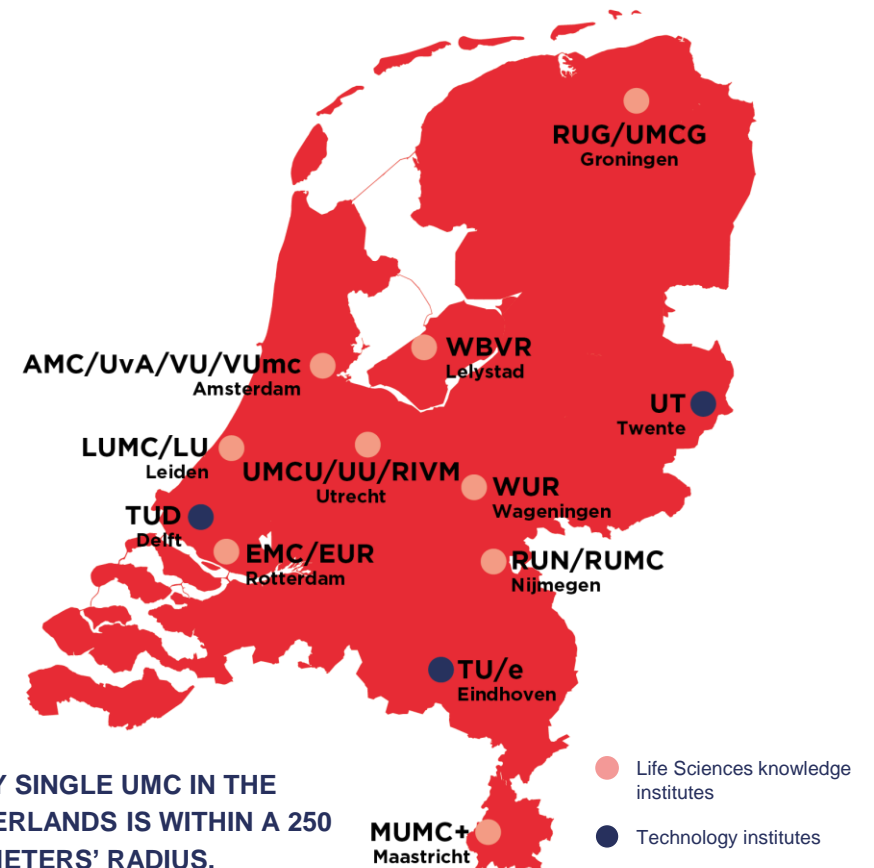
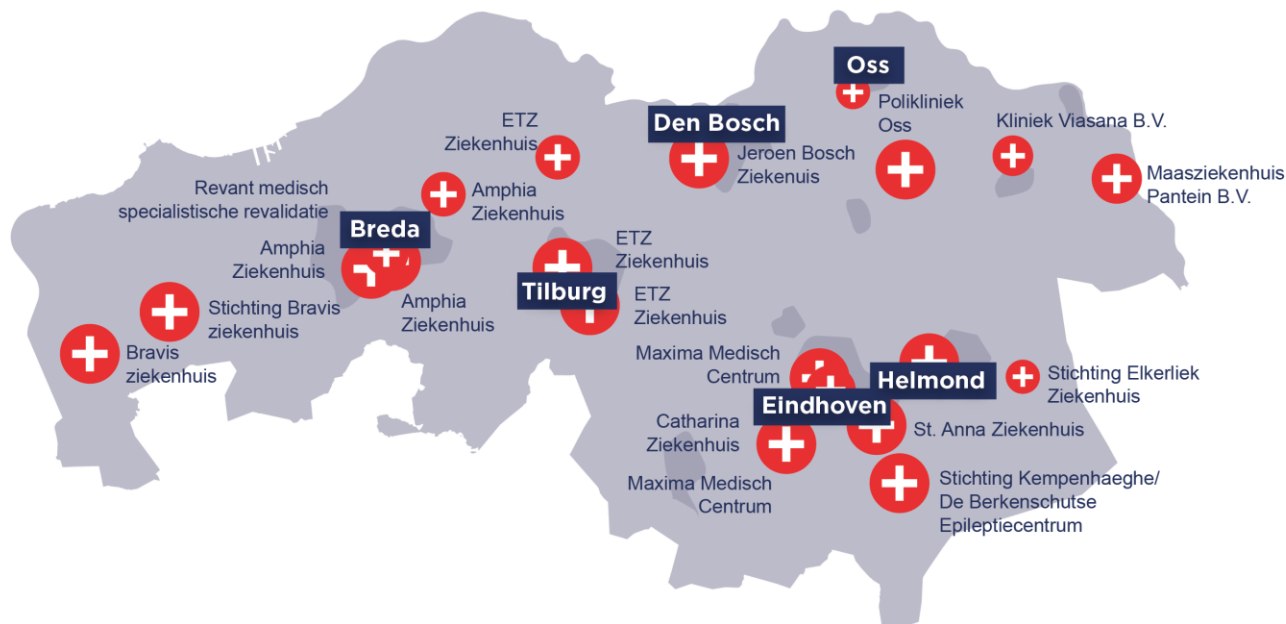
illumina[®]

 **AcertaPharma**
INNOVATE DEVELOP CURE

Institutes & healthcare centres

Main healthcare centres in Brabant

Brabant has a fine-meshed network of health care centres. The larger hospitals provide all types of treatment. These hospitals are mainly located in the largest cities: Breda, Den Bosch, Tilburg, Eindhoven and Helmond.



Education – universities closeby

Within a radius of 150 km around Brabant, there are 22 universities in three countries: a total of 605,340 students, 255,680 of which in the field of nature, health or technology.





Pivot Park: Life sciences campus in Oss, with special focus on pharmaceutical innovation



OBJECTIVES

- Connecting knowledge and experience between established companies, startups and spin-outs
- Helping entrepreneurs to accelerate growth by providing facilities and infrastructure
- Access to shared equipment for chemical, biological and analytical applications
- Ultra-high throughput screening centre and GMP-certified pilot plants available on-site



CORE COMPETENCES

- Active and innovative pharma R&D and manufacturing community
- Providing start-ups with ingredients for kick-starting their company the best way possible



COMMUNITY

- More than 60 life sciences companies, employing appr. 600 highly skilled people
- Most firms perform product development, contract research, contract manufacturing and pharma support



FACILITIES

- 25.500 m2 of R&D facilities, (open access) labs, cleanrooms, pilot plant and office space.
- Analytics: Nuclear Magnetic Resonance, Liquid Chromatography, Mass Spectrometry
- Open access HTS, flexible uHTS



APPLICATION AREAS

- Immunology
- Oncology
- Cell therapy

State-of
-the-art
facilities

Pivot Park

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