



Top Science & Innovation Parks in the Netherlands

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# **Motor of a strong and sustainable economy**

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Second edition, March 2020





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excellent  
opportunities  
inspiring  
locations  
wonderful  
communities

# Preface

We are proud to present an overview of the 10 leading Science & Innovation Parks in the Netherlands. For more than 10 years now, the Dutch Ministry of Economic Affairs and Climate has examined the economic clusters that are the driving force of the Dutch economy, and are quickly growing into clusters of European significance.

We offer excellent opportunities, inspiring locations and wonderful communities to leading Dutch and foreign companies, to knowledge institutions and to other organisations, helping these to further develop their activities. The cutting-edge research at our Science & Innovation Parks stimulates knowledge transfer, gives rise to new, innovative products and services, and encourages growth in the number of businesses and new jobs. We know how to attract and retain talent, and contribute to the economic growth and competitiveness of the Netherlands. Our outstanding R&D focuses on solving important global challenges related to health, clean water, food security, sustainability & circularity and sustainable systems.

March 2020

## **Amsterdam Science Park**

Leo Le Duc



## **Leiden Bio Science Park**

Ida Haisma



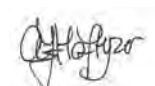
## **Brightlands Chemelot Campus**

Bert Kip



## **TU Delft Campus**

Anne-Lize Hoftijzer



## **Campus Groningen**

Edward van der Meer



## **TU Eindhoven**

Dorine Peters-van Dommelen



## **High Tech Campus Eindhoven**

Cees Admiraal



## **Utrecht Science Park**

Jan Henk van der Velden



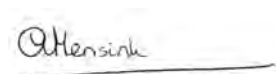
## **Kennispark Twente**

Anne-Wil Lucas



## **Wageningen Campus**

Anne Mensink



## **Our strengths are based on:**

- true knowledge and innovation within specific niches related to global challenges;
- an accessible research infrastructure that actually brings people together in collaboration;
- substantial shared facilities and services;
- complete clusters and available talent;
- attractive work and living environments with adequate real estate opportunities to accommodate the growth of start-ups, scale-ups and other companies;
- a highly educated, multilingual population in a stable and prosperous country.

As the leading Science & Innovation Parks of the Netherlands, we can offer concrete launching platforms for foreign companies and knowledge institutes. As such, we are pleased to demonstrate how we are continuing and expanding our collaboration with Invest in Holland, to represent our country abroad within this context.

We hope this overview inspires you, would love to welcome you to one or more of our Science & Innovation Parks.

# Ten Science & Innovation Parks



176 Companies  
4,500 Jobs  
7,300 Students



152 Companies  
19,900 Jobs  
30,100 Students



245 Companies  
12,100 Jobs  
28,200 Students



193 Companies  
6,600 Jobs  
15,500 Students



200 Companies  
12,000 Jobs



205 Companies  
22,300 Jobs  
49,100 Students



400 Companies  
12,300 Jobs  
37,000 Students



128 Companies  
27,500 Jobs  
51,000 Students



87 Companies  
2,700 Jobs  
1,100 Students

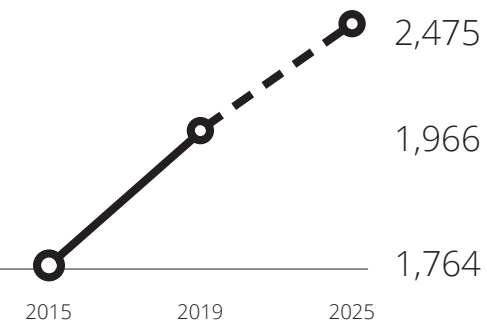


200 Companies  
7,900 Jobs  
15,200 Students

# Facts & figures

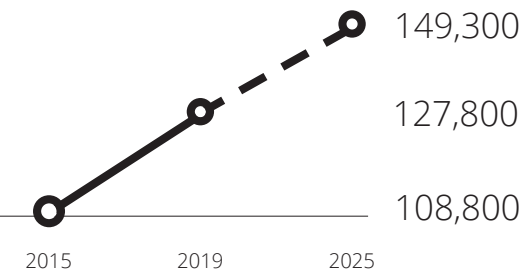
1,986 Companies

752 Start-ups  
1,080 Small & Medium-sized Enterprises  
154 Corporates / Global players



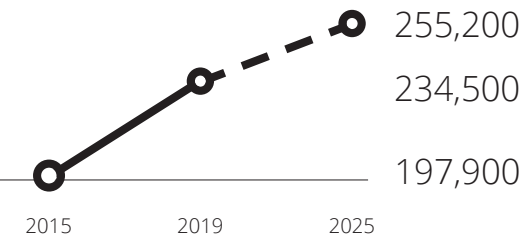
127,800 Jobs

83,900 Universities / research institutes  
43,900 Companies



234,500 Students

27,900 International



€7,30 billion investment value 2010 - 2025

# Global Challenges



## Health, demographic change and well-being

- developing high-quality, economically sustainable and innovative health and care systems
- creating opportunities for new jobs and growth



## Food security, sustainable agriculture and forestry

- increasing sustainable agricultural production
- improving the global supply chain
- decreasing food losses and waste and improving food quality and food safety
- safeguarding access to nutritious foods for those suffering from hunger and malnutrition



## Environment and resource security

- reducing emissions and improving resource/energy efficiency
- materials revolution and product design
- optimising and eliminating waste in plastics



## Access to clean and fresh water

- improving access to fresh water
- sustainably ensuring its safety and quality



### **Smart, green and integrated transport**

- drastically reducing transport's emissions
- reducing dependence on fossil fuels
- reducing transport impact on biodiversity and preserving natural resources



### **Economic growth and social inclusion**

- making economic growth more socially inclusive
- without dampening incentives to work, save and invest



### **Secure societies**

- improving societal resilience against natural and man-made disasters































































### **Biobased materials and circular economy**

- developing and accelerating the use of biobased materials
- contributing to a circular economy, optimising the use and re-use of resources, materials and waste



leading companies  
excellent institutions  
top-level research

# Our involvement in Global Challenges

	Health, demographic change and well-being	Food security, sustainable agriculture and forestry	Environment and resource security	Access to clean and fresh water	Smart, green and integrated transport	Economic growth and social inclusion	Secure societies	Biobased materials and circular economy
<b>AMSTERDAM SCIENCE PARK</b>								
<b>Brightlands</b> <small>Knowledge crossing borders</small>								
<b>CAMPUS GRONINGEN</b>								
<b>HIGH TECH CAMPUS EINDHOVEN</b>								
<b>Kennispark Twente</b> <small>Where science becomes business!</small>								
 <b>LEIDEN BIO SCIENCE PARK</b>								
<b>TU DELFT CAMPUS</b>								
<b>TU/e</b> <small>EINDHOVEN UNIVERSITY OF TECHNOLOGY</small>								
<b>UTRECHT SCIENCE PARK</b>								
<b>Utrecht campus</b>								

# Our Strengths

Science & Innovation Parks are not regular business parks, they have four distinctive core competences and values.

**strong focus on R&D** and knowledge-intensive activities

**client-based governance and living environment** providing excellent conditions for national and international companies, scientists and students

**Strong reputation**

**active open innovation system**, with shared research facilities, accelerating innovation on an international level

presence of several **anchor tenants** with an international reputation and network (research institutes, corporations)

# Our Success Factors

The park must have **suitable buildings** to accommodate companies in all development phases, from small offices in incubators to stand-alone single-tenant buildings.

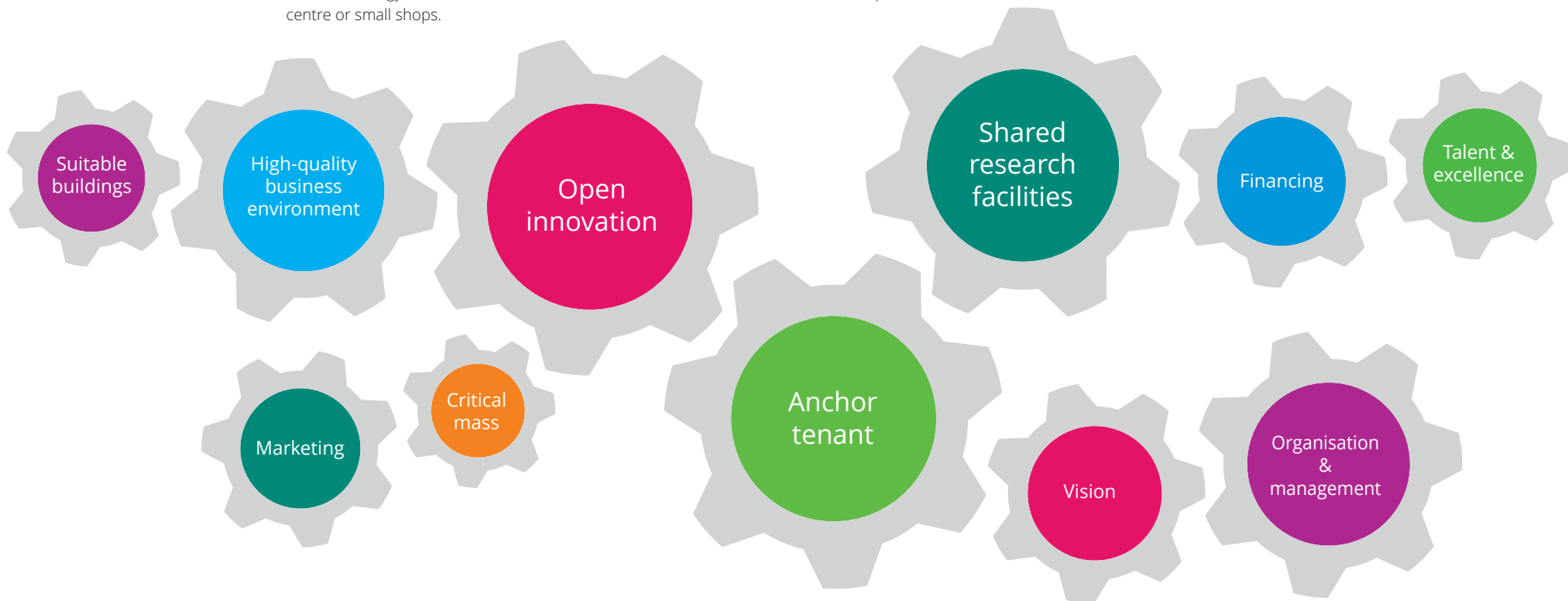
**A high-quality business environment** improves the attractiveness of a park. This could include a landscaped environment, pleasant buildings, joint amenities and facilities, such as a cafeteria, gym, conference centre or small shops.

Transfer of know-how/**open innovation** is why companies want to be located close to each other: working together to improve their efficiency and develop better ideas, while recognising each other's IP.

**Shared research facilities** help start-ups and SMEs by providing state-of-the-art facilities without huge investments and stimulating cooperation between companies and researchers at the park.

A science and innovation park continuously generates start-ups. The vast majority need **financing** in various stages of their development, from seed capital to venture capital for international expansion.

**Talent and excellence** are key factors for the success of a research group or a company and obviously also for a science and innovation park as a whole.



**Marketing** is necessary for a Science & Innovation Park, as it faces competition from across the globe. Getting the park on the radar of target companies is crucial to developing critical mass.

A Science & Innovation Park needs to reach **critical mass** to become the 'place to be'. The more researchers and developers there are, the more interaction, which will improve the chances of innovation success.

The presence of at least one large, know-how & technology-driven **anchor tenant** guarantees a continuous flow of ideas and new concepts, generated by students, PhD students, scientists, applied researchers and business developers.

A strong **vision** on development, size, technology niches and facilities is necessary to guarantee a prosperous Science & Innovation Park for decades to come.

The park **organisation & management** must be diligent and committed to facilitate these other factors.

A close-up photograph of a male scientist with glasses and a lab coat, focused on his work. He is using a pipette to add a small amount of liquid to a young green plant growing in a white tray. Several other similar plants are visible in the tray. The background is a soft-focus laboratory setting. An orange diagonal overlay covers the left side of the image, containing white text.

innovative  
products  
knowledge  
transfer  
increasing  
business



# Amsterdam Science Park

Connecting Boundless Minds



Total building capacity:

400,000 m<sup>2</sup>

Area:

800,000 m<sup>2</sup>

Development space:

120,000 m<sup>2</sup>

## Infrastructure



1 minute

**Train station**  
Amsterdam Science Park  
Within direct proximity



20 - 40 minutes

**Airport**  
Amsterdam Airport Schiphol  
20 min by car,  
30 min by train  
From Schiphol: more than  
320 direct connections to  
98 countries worldwide



5 minutes

**Motorway**  
Direct exit from A10 ring road  
2.6 km ca. 5 min by car



**Digital infrastructure**  
High quality  
Direct proximity of internet  
exchanges ASM-IX and NL-IX:  
80% of Europe can be reached  
in 50 milliseconds, free Wi-Fi  
throughout the park.



10 minutes

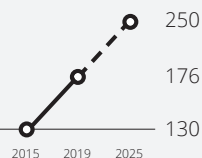
**City centre**  
Amsterdam  
10 min by train,  
15 min bike ride



# 176 Companies



- 60 Start-ups
- 106 Small & Medium-sized Enterprises (excl. start-ups)
- 10 Corporate players

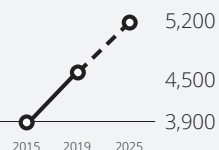


**Unique Companies**  
AMS-IX, Equinix, Fokker Aerostructures, Tata Steel, Qualcomm, Agendia, Nikon Instruments, ASML, Digital Realty

# 4,500 Jobs



- 2,000 University of Amsterdam, Faculty of Science and Amsterdam University College
- 900 Netherlands Organisation for Scientific Research (NWO)
- 1,600 Companies on site and in multi-tenant buildings



# 7,300 Students



- 6,400 University of Amsterdam, Faculty of Science
- 900 Amsterdam University College

of whom 900 international students



## Building capacity

**400,000 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area  
**280,000 m<sup>2</sup>** In use  
**120,000 m<sup>2</sup>** Development space

**Land lease:** Yes, 50 years

**Land ownership:** University of Amsterdam, municipality of Amsterdam, Netherlands Organisation for Scientific Research (NWO)

**Zoning plan:** Amsterdam Science Park 2013 (updated)

## Developments

**€400 million**

**2010 - 2019**

- Matrix VI Multi-tenant building with lab & office space
- New Data tower Digital Realty
- Amsterdam University College
- University sports centre
- New residential building with mid priced units
- Opening Startup Village
- New building Matrix-VII With ARCNL
- Extensions Equinix data Center AM4

**€300 million**

**2020 - 2025**

- Lab42, New building for Artificial Intelligence
- Conference Center annex hotel
- Several Parking buildings
- Multi-tenant buildings Matrix-ic
- Residential units
- Co-creation Center

## Profile

Amsterdam Science Park (ASP) has one of the largest concentrations of academic education and research facilities in Europe. It is a major hub for research, innovation and entrepreneurship, thanks to its world-class research institutes, universities, and some 170 companies.

### Digital connectivity

As one of the most densely cabled locations in Europe, Amsterdam Science Park is currently home to more than 600 network hubs, including the largest data transport hub in the world, the AMS-IX, and offers excellent opportunities for ICT, life sciences, sustainable chemistry and advanced instrumentation.

### Long-term vision

A vision for ASP in 2025 has been developed. The focus on long-term R&D and innovation collaboration with SMEs and global companies will be further developed and strengthened. Objectives include 50% employment growth among innovative high-tech companies, additional multi-tenant buildings and the establishment of more research institutes in the park.

## Open Innovation

Amsterdam Science Park was established with the aim of stimulating innovation. It is essential to bring together knowledge and business, so scientific knowledge can be implemented into products, companies or medical treatment. Amsterdam Science Park has many facilities for stimulating this knowledge transfer, with far-reaching opportunities for collaboration. At SPRING, our newest co-creation facility, companies can team up with exceptional researchers and young talent to explore new approaches and ideas, work out partnerships and collaborate on new projects.

### Investing in AI and data science

As fast-growing fields, AI and data science are in the spotlight at Amsterdam Science Park. The national Innovation Center for AI (ICAI) was launched here last year. This national initiative is focused on joint technology development between academia, industry and government in the field of AI. They work closely with the other fields of focus at Amsterdam Science Park, including life sciences, sustainability and high-tech materials. The multi-tenant buildings of the Matrix Innovation Center have extensive, state-of-the-art office facilities and laboratories. Since connecting and networking is essential, Amsterdam Science Park organises a variety of activities where Science and Business can meet.

## World-class Research Institutes

- AMOLF academic institute for fundamental physics with high societal relevance
- CWI Dutch National Research Centre for Mathematics and Computer Science
- Nikhef National Institute for Subatomic Physics
- SURFsara Computing and Networking Services
- NLeSC Netherlands eScience Center
- University of Amsterdam, Faculty of Science\*
- Amsterdam University College
- ARCNL Advanced Research Center for Nanolithography (joint venture with ASML)
- QuSoft Research Center for Quantum Software

\* 9 Spinoza Laureates and 4 Nobel Laureates

## R&D Focus

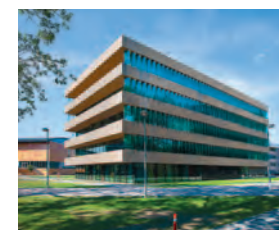
- **Digital Innovation, Artificial Intelligence, ICT & Big Data**
- **Life Sciences**
- **Sustainability**
- **High-Tech Systems & New Materials**

Amsterdam nanoCenter is a facility for materials fabrication and characterisation to provide state-of-the-art opportunities in nano research.

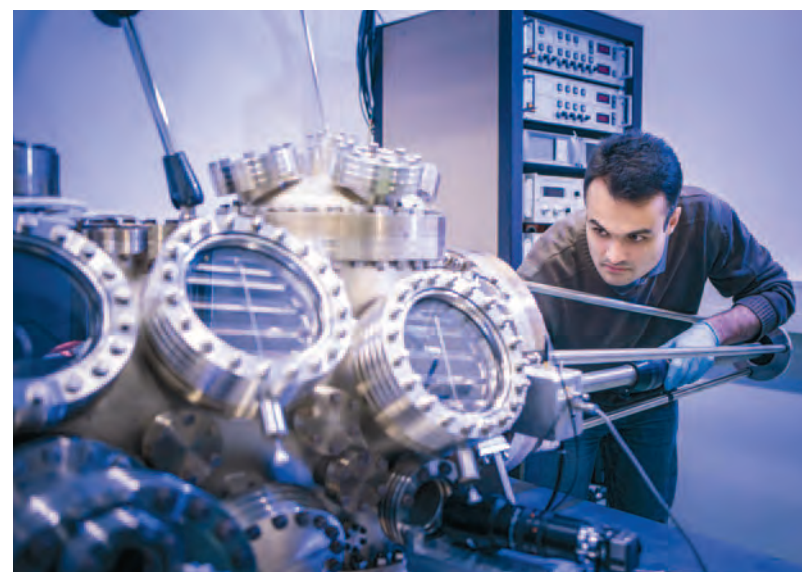
## Shared R&D facilities

There are many high-quality research facilities at Amsterdam Science Park. Various knowledge institutes have excellent technical infrastructures in the areas of electronics, mechanics and ICT, and advanced equipment such as mass spectrometry, microscopy and microarray technology. These and other facilities are also available to third parties, subject to certain conditions.

Ultra-modern, waterproof glass houses with excellent temperature regulation and control systems provide room for 'ordinary' research and research on genetically modified pathogens.



The Matrix Innovation Center offers high-value flexible office space and laboratories for approximately 120 of the 130 companies at Amsterdam Science Park. Keywords: flexibility, service and cooperation.



### Student housing

Amsterdam University College is housed in a prize-winning faculty building. Students live on campus in a modern high-rise with great views of Amsterdam.



**Nikhef:** has a total of 13 clean rooms up to class 1,000 with a surface area of up to 170 m<sup>2</sup>. Several of these clean rooms are equipped with highly accurate climate control.

## Start-up facilities and programmes

The Amsterdam Centre for Entrepreneurship (ACE) is an Amsterdam-based university incubator. ACE Incubator helps students, researchers, alumni and tech professionals develop their innovative tech- and science-based ideas into successful companies. ACE offers training & support and access to an extensive network of mentors, entrepreneurs and business professionals. ACE thus empowers Amsterdam-based innovators to create and grow high-impact ventures. ACE is the university incubator of UvA, VU, HvA and Amsterdam UMC.

Boasting the highest concentration of publicly funded research in the Netherlands, **Amsterdam Science Park** is currently home to eight University of Amsterdam research institutes.

## Sustainability

### Our policy

Amsterdam Science Park's ambition is to become one of the most sustainable science parks (2013 Energy Plan).

### Our main objectives

- Shared electricity sources;
- Sustainable construction (climate-neutral technologies, green roofs) and public spaces;
- Improved energy efficiency;
- Charging points for electric cars.

### Remarkable achievements

- Waste energy from data centres is used to heat lecture rooms and some student housing;
- Green roofs on several buildings.

### Research

In January 2016, the innovation platform Amsterdam Green Campus was officially launched. In this regional platform, researchers, educational institutions and entrepreneurs collaborate on innovation and on educating talent within the food and flower sectors. Amsterdam Green Campus will initially focus on Green Genetics, Green Environment and Green Chemistry.



### Community services & facilities

#### Facility buildings (shop, supermarket, foodservice)

Restaurants and catering facilities (Oerknal, Polder, Maslow, Spar Supermarket, The Coffee Virus, Six).

#### Leisure (sport, congress)

10,000 m<sup>2</sup> Universum Sports Centre, 3 conference facilities available at CWI, additional 2,500 m<sup>2</sup> congress facilities and 200 hotel rooms planned.

#### Parking

- Paid parking at UvA site of the campus
- Regulated parking around the NWO Institutes
- 250 public (paid) parking spaces

#### Park management

##### Site-related services

Public space, waste, sweeping pavements, winter maintenance, maintenance of green areas, security, free WIFI.

##### Building-related services

Various services, including cleaning, reception services (building specific).

#### Governance

##### Campus ownership

University of Amsterdam, City of Amsterdam, Dutch Research Council (NWO).

##### Decision makers & decision-making process

ASP welcomes and facilitates organisations and companies that seek to collaborate with its research

institutes to facilitate their own research activities. The park offers pre-starter facilities, shared facilities for start-ups, scale-ups and mature companies, as well as independent premises. Interested? Contact the Amsterdam Science & Business Organisation.

#### Management

Amsterdam Science Park is managed by the Science & Business Organisation. The three landowners have set up the Science & Business Organisation (S&B) to connect science with business. Amsterdam Science Park S&B is the first point of contact for investors, companies and industry in search of scientific knowledge, and acts as an intermediary for the scientific partners.

#### Contact

Amsterdam Science & Business Organisation

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1098 XH Amsterdam

T: +31 20 820 8060

E: lleduc@amsterdamsciencepark.nl

W: www.amsterdamsciencepark.nl

# Brightlands Chemelot Campus

Driving circular economy



Area:  
**395,000 m<sup>2</sup>**

Building capacity:  
**213,500 m<sup>2</sup>**



Development space:

**80,000 m<sup>2</sup>**

## Infrastructure



20 minutes

**Train station**  
Sittard Central  
6 km – 10 min by car,  
20 min by bus



5 - 50 minutes

**Airport**  
Maastricht-Aachen Airport  
Düsseldorf/Cologne/Brussels  
11 km - 5 min by car,  
50 min by bus



3 minutes

**Motorway**  
A2 & A76  
1.7 km - 3 min by car



**Digital infrastructure**  
Fiber and Wi-Fi  
Park fully broadband and  
Wi-Fi connected  
Connected to Surfnets



15 - 40 minutes

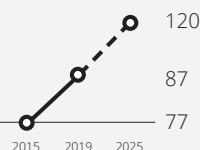
**City centre**  
Sittard/ Maastricht  
15 min by car, 40 min by bus



# 87 Companies



- 27 Start-ups
- 46 Small & Medium-sized Enterprises (excl. start-ups)
- 14 Corporate players

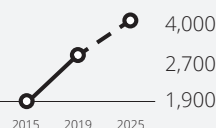


**Unique Companies**  
DSM, SABIC, Arlanxeo, SAPPI, Yparex, Mitsubishi, Lydall, Basic Pharma, Xilloc, Isobionics, Kriya Materials, Technoforce, Mitsui, Sekisui, Ioniqa, InnoSyn, Lonza and others

# 2,700 Jobs



- 200 Universities & institutes
- 2,500 Companies

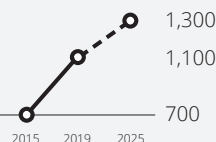


# 1,100 Students



- 300 University of Maastricht
- 600 Zuyd College
- 200 Vocational institutes Vista College

of whom **500** international students



## Building capacity

**213,500 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area  
**133,500 m<sup>2</sup>** In use  
**80,000 m<sup>2</sup>** Development space

**Land lease:** Land lease is not an option for tenants

**Land ownership:** DSM Nederlands bv, with exclusive exploitation rights for Brightlands Chemelot Campus

**Zoning plan:** Bestemmingsplan 'Chemelot' (2014)

## Developments

### €400 million

**2010 - 2019**

The campus, formerly owned by DSM (until 2012), is completely revamped and renewed. A total of €400 million has been invested to construct new buildings, renovate old ones and to restructure the park in order to realise state-of-the-art facilities. Developments follow the Buck model, with investments in R&D facilities, public-private knowledge institutes, education institutes on campus and a start-up ecosystem.

### €200 million

**2020 - 2025**

There is sufficient land available to accommodate the anticipated growth in the number of tenants, jobs and students until 2025. A total of ca. €200 million will be invested to construct new labs, pilot plants and clean room facilities. Plans are currently in development to enhance the future growth of the campus beyond 2025.

## Profile

Brightlands Chemelot Campus is a world-leading innovation location, home to a vibrant and fast-growing open community of groundbreaking companies, educational organisations and knowledge institutes in the fields of performance materials, biomedical materials, sustainable process technologies, and biobased chemicals and materials. It offers state-of-the-art R&D, upscaling and manufacturing infrastructure for chemical processes, material processing and clean rooms, on-campus education and science-oriented business support, venture capital and business development services. Together with the other Brightlands locations, it is working on solutions for global grand challenges, such as regenerative medicine, within the Medical Health Axis Europe. With its location, ecosystem, facilities, and widely available expertise and knowledge, Brightlands Chemelot Campus is a unique location for innovative start-ups and corporations, forward-thinking knowledge institutes, daring entrepreneurs, brilliant researchers, talented students and visionary investors.

### Hub for circularity

The aim is to become the place to be for research on smart and sustainable materials and chemical processes in a wide range of application areas, to contribute to the global challenges on sustainability and health.



# Open Innovation Strategy

Value creation (turning knowledge into value) is one of Brightlands' primary competences. Brightlands Chemelot Campus has a team of business developers to support entrepreneurs as they start new businesses based on proprietary or third-party intellectual property. As an innovation hotspot, the campus is home to a vibrant and fast-growing open community of innovative, world-class companies and knowledge institutes. Facilities include the latest R&D, upscaling and manufacturing infrastructures.

World-renowned companies, SMEs and smart start-ups are creating the most successful and innovative community of its kind in Europe. All this is taking place in an environment that encourages like-minded researchers and entrepreneurs to share knowledge and leverage open innovation to accelerate the development of new products and product applications.

# World-class Research Institutes

- Aachen Maastricht Institute for Biobased Materials in close cooperation with RWTH Aachen and Maastricht University (AMI-BM);
- Chemelot Institute for Science and Technology in close cooperation with Maastricht University, Maastricht University Medical Center, Eindhoven University of Technology and DSM (Chemelot InSciTe);
- Brightlands Materials Center in cooperation with TNO (BMC);
- Enabling Technologies (analytic infrastructure);
- Brightsite, an institute transforming the chemical process industry into a sustainable industry, with the safest environment and operations. Cooperation of TNO, Sitech, Maastricht University and Brightlands Chemelot Campus.

# Shared R&D facilities

## Pilot plant and mini plant facilities

Pilot and mini-plant facilities provide a crucial service to SMEs and large businesses by offering an R&D infrastructure to test and upscale new processes for potential applications and producing pre-marketing materials (commercial perspective). Brightlands Chemelot Campus experiences a huge interest of various organisations for this area. Plans for further expanding this area of activities are being developed.

## Multipurpose manufacturing facility for regenerative medicine

The first step in Brightlands' planned Regeneration Street #1 is a fully equipped and serviced building that offers 2,400 square metres of general floor space and 750 square metres of clean room facilities. The facility's innovative architecture supports set-up and scalability and is open to ATMP manufacturing companies, research institutes, and start-ups in regenerative medicine and tissue engineering.

## 3D Printing Materials Center

This centre for the development of 3D printing materials has been developed to assist companies that have questions about the application of different materials for 3D printing and to be able to develop new performance materials suitable for 3D printing methods. It also has a fully functioning production unit for 3D-printed parts for industry (e.g. aerospace).

## Analytical Infrastructure

Advanced Analytical Infrastructure is provided by Enabling Technologies BV at both the Brightlands Chemelot Campus

and Brightlands Maastricht Health Campus. It includes electron and advanced light microscopies, mass spectrometry imaging, X-ray technologies and high-end NMR instrumentation. There is close cooperation with the M4I Imaging Center at Brightlands Maastricht Health Campus.

## R&D labs and offices

Furthermore Brightlands Chemelot Campus offers a wide variety of custom accommodations, such as laboratories and clean rooms, stores and warehouses, halls for semi-production set-ups, and offices. Specific housing for start-ups is also available.

Helicopter view of the Brightlands Chemelot Campus facilities.



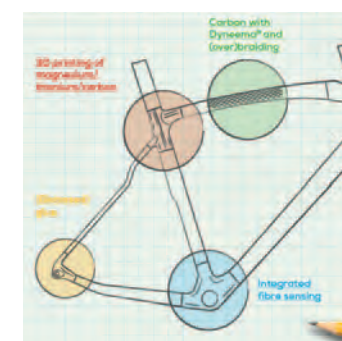
Advanced X-ray R&D facilities of Enabling Technologies.



# R&D Focus

## The circular hub

- **Materials**
  - Design to recycle;
  - Circular materials.
- **Chemistry and process technology**
  - Sustainable process industry knowledge and infrastructure;
  - Advanced Synthesis, route scouting, catalysis;
  - Bio-based chemicals & materials: building blocks, polymers and materials; processes to scale up and produce.
- **Life Sciences**
  - Biomedical materials: regenerative medicine, tissue engineering, drug delivery systems, medical coatings and implants;
  - Cell therapies.



Multipurpose Pilot Plant facilities on Brightlands Chemelot Campus. Open upscaling and debottlenecking facilities for companies and knowledge institutes for the process industry.

100% Limburg Bike  
Newly developed bike frame. Providing new features via advanced materials and fully custom made.



## Start-up facilities and programmes

There are incubators and accelerators, including a fully equipped programme to set up and support the development of innovative ideas by starters and to foster start-up companies (Brightlands Chemelot Innovation Center). The support is both in knowledge and in venture capital (Chemelot Ventures). There is also a specific facility for start-ups, with an open-office environment, small offices and lab facilities.

## Education & talents

Brightlands Chemelot Campus has all the resources to provide a challenging learning environment for students and professionals. Brightlands offers accredited and attractive scientific and practice-oriented programmes and courses in chemicals, performance materials, and health and life science. This is managed by CHILL (Chemelot Innovation and Learning Labs) and the Brightlands Chemelot Campus organisation.

## Sustainability

### Our policy

The buildings and facilities on Brightlands Chemelot Campus have to meet the latest standards with regard to sustainability. Although we do not see added value in being officially certified according to the BREAAAM norms, we aim for BREAAAM level Excellent if economically possible (at least Very Good).

Brightlands Chemelot Campus is located at the Chemelot Site. The ambition for this site is to become Western Europe's most sustainable chemical site in 2025. In this context, Brightlands Chemelot Campus is using residual energy from the Chemelot Industrial Park to heat the buildings on the campus. Brightsite was established as part of this ambition.

Even more importantly, from a content point of view, sustainability is part of our scientific institutes and one of the most important drivers in the research programmes (AMI-BM on biobased materials, InSciTe on biobased building blocks and Brightlands Materials Center on lightweight automotive parts, circular packaging, recycling and coatings for solar cells and insulation purposes.

### Our main objectives

- developing real assets with a lower carbon footprint (aimed at attaining BREAAAM level 'Excellent', at least 'Very Good');
- developing new concepts for a circular economy in the scientific institutes at Brightlands Chemelot Campus;
- being part of an European Hub for circularity.

### Remarkable sustainability objectives/achievements

Over the last five years, the energy consumption per m<sup>2</sup> of building floor space has dropped by about 30%.

### Community services & facilities

Center Court is the heart of the campus with its Campus restaurant, coffee corner, Grand Café, conference rooms, auditorium and sports facilities. Brightlands Chemelot Campus offers facilities for seminars and network meetings. Campus services are available for tenant companies and their employees, and aim to improve collective working conditions to strengthen the campus community.

### Leisure

Brightlands Chemelot Campus provides sports facilities and vitality programmes such as BtheMove, a service on campus for the tenants. The surrounding area, known as the Euregio, is famous for its wide range of leisure activities.

### Parking

The Campus uses a mix of parking facilities, including parking lots and multi-story car parks.

### Park management

#### Site-related services

The Service Boulevard provides access to services at Brightlands Chemelot Campus. It offers a range of essential support and business services. These are provided by the campus organisation itself, the companies located there, or by other members of the Service Boulevard network. Other services include accounting, car rental, legal support, HR services, hotel accommodation, logistics, moving and storage, cleaning and more. These are integrated in Chemelot Campus BV.

### Building-related services

Brightlands Chemelot Campus offers a full package of services such as maintenance, Internet provision, printing, cleaning, waste treatment, special supplies, etc. The duty officers can provide 24/7 supervision services for R&D installations.

### Governance

#### Campus ownership

DSM, Maastricht University and the Province of Limburg are the shareholders of Brightlands Chemelot Campus, each with a 33.3% share.

### Decision makers & decision-making process

The CEO of Brightlands Chemelot Campus is responsible for the decision-making process, making proposals to the supervisory board and the

shareholders meeting. On campus, the tenants are represented by a community board, comprising representatives of the corporations, SMEs and academic organisations present on campus. Here, general policies, such as with respect to safety, are discussed, as well as any decisions concerning the tenants.

### Management

Chemelot Campus BV is led by a management team comprising a CEO, CFO, COO, the Business Development and Marketing director and the Asset Development director. Chemelot Campus BV consists of a team of some 80 employees managing all aspects of the Brightlands Chemelot Campus. Chemelot Campus BV manages several affiliated entities.

### Commitment

Brightlands Chemelot Campus is a private limited company (BV: *Besloten Vennootschap*), with 33.3% of its shares being held by each of the following parties: DSM Nederland BV, Maastricht University via UM Holding BV, and the Province of Limburg via Chemelot Participaties BV. The shareholders have agreed to a ten-year no-exit clause and a twenty-year no-dividend policy.

### Buildings

#### Company buildings

• Incubator	1	3,500 m <sup>2</sup>
• Accelerator	1	10,000 m <sup>2</sup>
• Single-tenant	14	35,000 m <sup>2</sup>
• Multi-tenant: Matrix	27	85,000 m <sup>2</sup>

\*Housing on Brightlands Chemelot Campus is not allowed as this campus is part of the larger Chemelot Industrial Site.

### Contact

Brightlands Chemelot Campus

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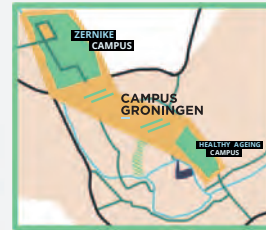
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# Campus Groningen

Driver of Innovation



Total building capacity:

450,000 m<sup>2</sup>

Area:

1,800,000 m<sup>2</sup>

Development space:

190,000 m<sup>2</sup>

## Infrastructure



10 minutes

**Train station**  
Groningen Central  
12 min by bike, 14 min by bus,  
10 min by car



18 - 45 minutes

**Airport**  
Groningen Airport Eelde  
45 min by bike, 35 min by bus,  
18 min by car



**Motorway**  
A7 - A28, direct access



**Digital infrastructure**  
Wifi connected, prepared for  
the future with a.o. 5G Fieldlab,  
Digital Society Hub, VR and  
various datacenters on and  
around Campus



10 minutes

**City centre**  
Groningen  
1 - 4 km, 7,5 min by bike,  
12 min by bus, 10 min by car



# 205 Companies



45 Start-ups  
55 Spin-offs  
99 SME's  
5 corporate  
1 other



**Unique Companies**

- Avebe
- MercachemSyncom
- Innocore
- Pharmaceuticals
- QPS

# 22,300 Jobs



17,900 Education/institutes  
4,400 Companies



# 49,100 Students



21,100 University of Groningen  
28,000 Hanze University of Applied Sciences Groningen

of whom 6,700 international students



## Building capacity

**450,000 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area  
**260,000 m<sup>2</sup>** In use  
**190,000 m<sup>2</sup>** Development space

**Land lease:** Available

**Land ownership:** University of Groningen, University of applied Sciences, University Medical Center, municipality of Groningen and various private parties

**Zoning plan:** Development plan municipality of Groningen

## Developments

### €400 million

**2010 - 2019**

- Start-up City (Incubator & multi-tenant building)
- Innolabs (AgriFood, Chemistry & Pharma) & Innovation Center Avebe
- UMCG Proton-Therapy Center
- d'Root (Datacenter & lab)
- Multi-tenant and R&D: R&D Hotel, Meditech Center, Biotech Center
- Sustainable buildings: EnTranCe, BuildinG, Energy Academy Europe, Energy Barn, ZAP
- Educational space: Kapteynborg, Aletta Jacobshal
- European Research Institute for the Biology of Ageing

### €1 billion

**2020 - 2025**

- Educational space (Feringa Building, Industriële Product Ontwikkeling)
- Innolab Engineering & Innolab Chemistry 2.0
- New and expanding company buildings (Polyganics, DNV-GL, Ducom)
- Upgrade infrastructure (Zernikelaan)
- Health Data Center, HPC Datacenter
- Developments North Entrance Healthy Ageing Campus
- KVI Center for Advanced Radiation Technology
- Plus Ultra

## Profile

Welcome to Campus Groningen, the place for innovation, research and entrepreneurship. Where companies, knowledge institutes and local government work closely together to create real impact in the fields of societal themes such as Healthy Ageing, Sustainable Society, and Energy and the Energy Transition. Campus Groningen has two neighbouring locations: the Healthy Ageing Campus and Zernike Campus. It is part of a region of natural cohesion and sectors that reinforce one another; it is a hub within an elaborate network both in the Netherlands and across the borders.

Campus Groningen has a strong business environment. We connect groundbreaking researchers, top-level education, future talent, innovative entrepreneurship, state-of-the-art facilities and accessible financing resources. Thanks to these great connections, both inside and outside the region, new innovations that originate at Campus Groningen can quickly find their way onto the market.

### Long-term vision

In the upcoming five years, the Campus Groningen will continue to grow: a broader and close-knit community (community building), integral area management and an expansion in services, with an emphasis on shared facilities (campus services).



# Open Innovation Strategy

The Campus has a wide range of open innovation (starter and R&D) facilities on various themes to facilitate the network, such as facilities for Energy, Chemistry, AgriFood, Biobased Materials, Pharma and Data. These testing grounds can be used by both companies and knowledge institutions. Thanks to connections both within and outside the region, new innovations that originate on Campus Groningen can quickly find their way onto the market, allowing Campus Groningen to have an impact on the region. A city large enough to get lost in and small enough for short lines and engaging contacts. Important ingredients of this innovative city are its cooperative companies and broad knowledge institutions, leading to the presence and anchoring of highly and broadly trained human capital.

## R&D Focus

### • Healthy Ageing

- Health Data
- Advanced Materials/green materials
- Life Sciences
- Pharma & medical technology
- Biochemistry
- Biotechnology

### • Sustainable society

- Bio Chemicals
- Agro food & Nutrition
- Bio Materials
- Agribusinesses

### • Energy Transition

- Energy technology
- Green energy
- Energy systems

## Shared R&D facilities

### Innolabs: Chemistry, AgriFood and Pharma

Expandable laboratories, modular labs, analytical support including HPLC-MS, NMR and GC, office space, laboratory facilities, an entrepreneurial community, meeting rooms, networking opportunities. In the future, more innovation with Innolab Engineering and Chemistry 2.0. Business support is offered.

### ENgineering and TEchnology institute Groningen (ENTEG)

The research institute ENTEG is an engineering science and technology institute that has the capability to analyse, explore and design new technologies that are based on the integration of fundamental and engineering sciences.

**Zernike Nanolab Groningen** part of the ZIAM, boasts state-of-the-art equipment for nanofabrication, deposition techniques, lithography, microscopy and scanning probe techniques.

**EnTranCe** is an energy innovation workspace where new sustainable energy technologies are tested by students, researchers and the business community. The EnTranCe site is also home to Builing, ZAP and the Hydrohub.

### Incubators & accelerators

There are multiple R&D facilities, such as incubator Meditech Center, multi-tenant Plus Ultra, flex workplaces and office spaces in the R&D Hotel and laboratory facilities in the Biotech Center. Incubator Startup City is home to young entrepreneurs, start-ups and scale-ups.

### IT Facilities and Services

Data centre and datalab d'Root offers facilities for high performance computing, presentation rooms, research and testing for clients and partners. On Campus there is also the Centre for Information Technology, which provides computing and storage services.

### Health facilities

Different health facilities such as ERIBA, Lifelines Datastore are conducting research on the biology of ageing, health in multiple generations, and new innovations in pharma.

Startup City: Inspiring new facility for start-ups and scale ups from the universities.



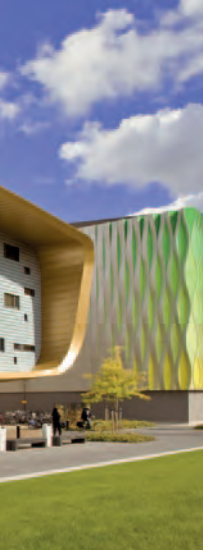
© IMAZZO

Festive kick-off to the start of construction on the **Feringa Building**, which Nobel Prize winner Ben Feringa and his department will be a part of.



Innolab Agrifood is part of the Innolab Groningen formula, which support and stimulates entrepreneurship and facilitates innovative initiatives.

International BREEAM Award for Energy Academy  
Europe: most sustainable education building.



# World-class Research Institutes

## Zernike Campus

- Bernoulli Institute
- ENTEG - Engineering and Technology institute Groningen
- ESRIG - Energy and Sustainability Research Institute Groningen
- GBB - Groningen Biomolecular Sciences and Biotechnology Institute
- GELIFES - Groningen Institute for Evolutionary Life Sciences
- GRIP - Groningen Research Institute of Pharmacy
- Kapteyn Astronomical Institute
- Stratingh Institute for Chemistry\*
- Zernike Institute for Advanced Materials (ZIAM)

## Healthy Ageing Campus

- Research Institute GUIDE
- Research Institute Brain and Cognition
- SHARE Institute: Science in Healthy Ageing and healthcaRE
- W.J. Kolff Institute: Biomaterials
- CRCG Institute: Fundamental, Clinical and Translational Cancer Research
- European Research Institute for the Biology of Ageing (ERIBA)

\*Nobel Prize Laureate prof. dr. B. Feringa & 6 Spinoza Laureates originated from the RUG

# Start-up facilities and programmes

We have several incubators and accelerators on Campus Groningen, including fully equipped programmes (VentureLab, Startup Visa) to realise innovative ideas from starters and to foster start-up companies.

# Sustainability

## Our policy

Sustainability is – besides Healthy Ageing and Energy Transition – one of the societal impact fields on Campus Groningen. Various start-ups and companies originated at and come to the Campus to pioneer in sustainability. Campus Groningen is one big living lab; researchers, entrepreneurs and students work together with excellent new technologies to find the best solutions in energy and the energy transition and in sustainability. This allows Campus Groningen to create impact through new, innovative and sustainable solutions.

## Our main objectives

- Developing new concepts for a circular economy;
- CO<sub>2</sub> neutral in 2035;
- Car-free area on Campus Groningen;
- Developing more real assets with a lower carbon footprint;
- Sustainable real estate.

## Remarkable achievements

- Leader in the development of green hydrogen;
- Most sustainable education building of the Netherlands (Energy Academy Europe);
- Sustainable real estate (BREEAM level 'outstanding' or 'very good');
- Innovation centre 'hive.mobility': smart and green solutions in the area of mobility;
- University of Groningen takes 15th place in the Green Metric: list of most 'green' universities of the world;
- Winner non-smoking generation award (UMCG);
- Smart and shared mobility: from single use to shared use.

## Community services & facilities

Campus Groningen stimulates a lively environment on campus site and there are multiple restaurants (foodcourt) open for students, entrepreneurs and the public (more than 26), multiple shops (hairstyler, supermarket) and various services, such as a fitness centre, day-care and a bike shop.

## Leisure

On Campus Groningen offers a range of sports facilities, cultural performances, conference facilities. ACLO Studentsport Groningen offers 113 different sports and courses, including an indoor sports hall, swimming pool, tennis and soccer fields, hockey and beach and indoor volleyball courts, speed skating hall and a survival track. Scientific and art exhibitions, 360° screen room, conference facilities, festivals.

## Parking

4,500 parking spaces

## Park management

### Site-related services

Network events, campus community, wayfinding, branding, public space, pavement cleaning, winter maintenance, maintenance of public green areas, security.

## Building-related services

There are various incubators, all with their own facilities, such as facility management, reception, cleaning services, etc. These services are operated by various partners.

## Governance

### Campus ownership

Campus Groningen is commissioned by partnership Akkoord van Groningen and a collaboration between the University of Groningen, Hanze University of Applied Sciences Groningen, the municipality of Groningen, the province of Groningen, the University Medical Center Groningen, business association WEST and Campus Groningen Management.

## Decision makers & decision-making process

Campus Groningen Management is responsible for the decision-making process, making proposals to the supervisory board and the stakeholder meeting. The parties who are involved in this process are the University of Groningen, Hanze University of Applied

Sciences Groningen, the municipality of Groningen, the province of Groningen, business association WEST and the University Medical Center Groningen. These parties are represented in diverse community groups, organised by Campus Groningen.

## Management

Campus Groningen is led by an independent management team composed of 12 members.

## Commitment

NOM, University of Groningen, Hanze University of Applied Sciences Groningen, University Medical Center Groningen, province of Groningen, municipality of Groningen, business association WEST and Marketing Groningen.

## Buildings

**Education and Research** - **530,000 m<sup>2</sup>**

### Company buildings

• Incubator	5	<b>5,800 m<sup>2</sup></b>
• Accelerator	1	<b>3,100 m<sup>2</sup></b>
• Single-tenant	10	<b>31,500 m<sup>2</sup></b>
• Multi-tenant: Matrix	4	<b>16,500 m<sup>2</sup></b>

## Contact

Campus Groningen
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W: <a href="http://www.campusgroningen.nl">www.campusgroningen.nl</a>

# High Tech Campus Eindhoven

Turning Technology into Business  
The smartest square km in Europe!



Area:

1,010,000 m<sup>2</sup>

Building capacity:

421,500 m<sup>2</sup>

Development space:

87,500 m<sup>2</sup>



## Infrastructure



25 minutes

Train station  
Eindhoven Central  
5 km - 25 min by bus



10 - 50 minutes

Airport  
Eindhoven Airport  
10 km - 15 min by car,  
50 min by bus



1 minute

Motorway  
A2 - N2  
Direct access



Digital infrastructure  
Wi-Fi network



10 - 25 minutes

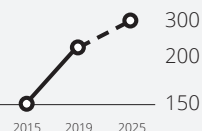
City centre  
Eindhoven  
10 min by car, 25 min by bus



# 200 Companies



- 65 Start-ups
- 70 Small & Medium-sized Enterprises (excl. start-ups)
- 65 Corporate players



## Unique Companies

- Philips
- NXP
- IBM
- Intel
- ABB
- Teledyne DALSA Inc.

# 12,000 Jobs



- 500 Education/Institutes
- 11,500 Companies



## Building capacity

**421,500 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area  
**334,000 m<sup>2</sup>** In use  
**87,500 m<sup>2</sup>** (re)development space

**Land lease:** Available/in consultation

**Land ownership:** Ramphastos Investments

**Zoning plan:** Bestemmingsplan HTC ( 2012)

## Developments

### 2018 - 2019

With the presence of multinational high-tech companies such as Philips, NXP & ASML, and world-class research institutes such as Holst Centre, Solliance & EIT Digital, High Tech Campus Eindhoven forms a vibrant network of open, innovation-minded organisations.

### High Tech Plaza

Add to that the fast-growing startup population (50+), our dedicated accelerator programme HighTechXL, a high level of facilities plus lots of free and paid events, and you have the ultimate startup ecosystem for high-tech companies. In 2018, we took the opportunity to expand our startup ecosystem into three buildings. One to Start, one to Scale, and one to get support. Together, they form High Tech Plaza.

## Profile

High Tech Campus Eindhoven (HTCE) is the smartest square kilometre in Europe. More than 12,000 researchers, developers and entrepreneurs are working at over 200 companies and institutes, developing future technologies and products. They are part of a unique and vibrant ecosystem of established global brands, leading research institutes, fast-growing enterprises, high-tech start-ups and service companies. Located at the heart of the Brainport region, campus companies are responsible for nearly 40% of all Dutch patent applications.

### Long-term vision

The Campus will grow to number 15,000 employees in the coming years by attracting new corporate players, SMEs and start-ups within the R&D focus areas. In addition, the Campus intends to strengthen and stimulate the growth of the existing SMEs and start-ups. Health & Vitality, Energy & Storage, Smart Environments & Connectivity, Applied Intelligence and Software & Platforms are our main R&D focus areas.



## Open Innovation Strategy

Each company at High Tech Campus Eindhoven shares a common goal: developing new technologies and applications that help solve social problems and challenges, and successfully bringing these to the market. At the campus, fast innovation and business development are supported by R&D facilities, collaborative efforts for developing new technologies, IT and HRM support, patent agencies and close connections with investor networks. Researchers, developers and entrepreneurs can join existing international networks and innovation projects, led by leading R&D institutes. It is easy for business people to join the international networks that are incorporated into these projects. These aids accelerate the time-to-market for new technologies and helps high-tech entrepreneurs to achieve their goals rapidly.

## World-class Research Institutes

- Holst Centre: Open Innovation by imec and TNO in the fields of wireless autonomous sensor technologies and flexible electronics.
- Solliance: Where research and industry join forces in the field of thin film PV.
- EIT Digital: An ecosystem of universities, research institutes, companies, valorisation centres and SME associations.
- ITEA 3: The EUREKA Cluster programme supporting innovative, industry-driven, pre-competitive R&D projects in the area of Software-intensive Systems & Services (SiSS).
- Eindhoven University of Technology Where Innovation Starts | Our focus: Energy, Health, Smart Mobility.
- Solar Energy Application Center (SEAC) An independent research organisation that was founded in 2012 on the initiative of ECN, TNO and Holland Solar.

## Shared R&D facilities

### Philips Innovation Services

Instant access to 10,000 m<sup>2</sup> of facilities: multipurpose labs & cleanrooms, more than 15,000 instruments for hire and a 3,500 m<sup>2</sup> pilot factory.

### Philips Innovation Labs

Five ready-to-use expert labs: Electromagnetic Compatibility & Wireless Connectivity Lab, Electronic Design Services Lab, Material Analysis lab, Reliability Lab, Prototyping Lab.

### Open research programmes at our institutes:

Brainport Eindhoven, High Tech Campus Eindhoven, Ericsson and VodafoneZiggo have formed a powerful consortium with the 5G HUB. The aim of the consortium is to improve the quality of life and the economic appeal of Brainport Eindhoven through new technologies (such as 5G, AI, VR/AR, blockchain, photonics) and innovative applications.

**Product prototyping:** a full range of production facilities for electronics and mechanical products, including extensive support for product certification.



**Parking garage:** multi-storey car parks and two terraces in the green, park-like character of the site.

**Conference Center High Tech Campus** hosts more than 500 events per year, and offers state-of-the-art meeting spaces and amenities, indoors and outside.



## R&D Focus

The Campus is one of the world's most important High-Tech Hubs. Here, you will have instant access to all the required knowledge, partners and talent, brought together in a lively cluster of international corporations, start-ups and research institutes. This makes High Tech Campus Eindhoven an incubator for economic activity and innovation in the fields of:

- Health & Vitality
- Energy & Storage
- Smart Environments & Connectivity
- Applied Intelligence
- Software & Platforms



**Business Centres Beta, Mu:** breeding ground for new businesses.

**HighTechXL Accelerator:** this programme is set up to fast-forward an early-stage hardware start-up's market entry. It covers all phases, from prototype to market.

# Start-up facilities and programmes

## HighTechXL Accelerator

HighTechXL's 6-month accelerator programme is set up to fast-forward an early-stage hardware startup's market entry. It covers all phases, from prototype to market.

## HighTechXL Plaza

This is an incubator hub for high-tech start-ups with high potential in their early and late growth stage, working towards scaling up their business.

## Business Centres Beta, Mu

These centres are intended as a breeding ground for new business. They offer professional business accommodation with facilities to boost the success rate and quality of small companies.

## Campus Partner Programme (soft-landing)

Kick-start your high-tech ambitions and contact the Campus for a special partnership offer. In a trial period of just two months, the Campus Partner Programme will arrange a unique, full-service, intensive introduction programme for international companies by providing a free workplace and connecting them to all relevant parties in the successful Open Innovation network.

## Events and Networking

Find partners, clients, funders and new ideas at the various tech events and meet-ups across the Campus, such as Campus Technology Seminars, Campus Industry Connection meetings and Open Lectures together with the Eindhoven University of Technology.

# Sustainability

## Our policy

The green, park-like character of the site makes High Tech Campus Eindhoven a pleasant working environment and reflects the focus of the Campus on sustainable and environmentally friendly business practices. Since its establishment, High Tech Campus Eindhoven has been cooperating with environmental organisations, national authorities and other dedicated organisations to encourage sustainable and responsible behaviour.

## Our main objectives

- To conduct the Landscape management with ecological means.
- To design the Campus around sustainability from the ground up.
- Energy is key (energy consumption is a major concern).
- To increase the percentage of 'green travellers'.
- To engage the Campus Community.
- To develop sustainable technological solutions for the future.

## Remarkable sustainability achievements

- The usage of a large-scale heat exchange system.
- LED lighting is used in car parks.
- We have sustainable real estate (BREAAAM level: very good/excellent).
- The highest density of e-charging points in the Netherlands.
- The introduction of 125 Campus bikes.
- Our own Campus Community Garden.
- Use of cows and sheep at the Campus.

## Community services & facilities

All social facilities are brought together in The Strip: 8 different restaurant concepts, a conference centre with auditorium, a range of shops and services (supermarket, hairdresser, bank, insurance company), and the Campus Wellness Center. Residents and visitors to the Campus meet at The Strip every day, for lunch, an intensive workout or during one of the many network meetings, concerts or technical conferences. The Strip is the centre for meetings, inspiration and creativity.

## Leisure

Both Indoor & Outdoor (football, tennis, volleyball, basketball, cricket) sports facilities are available.

The Campus hosts about 500 events every year, including social events such as sports tournaments, the Pubquiz and NLP Café, but mostly technical conferences and network meetings. The Campus community organises a large number of these events.

## Parking

- > 6,000 parking spaces
- nine multi-storey car parks and two terrains

## Park management

### Site-related services

General maintenance of the site, safety and security, ICT, infrastructure and parking services are managed by HTCE Site Management BV

### Building-related services

Facility management, reception, copy/print, cleaning/waste and vending services (hard & soft) are managed by HTCE Site Management BV

## Governance

### Campus ownership

Ramphastos Investments

### Decision makers & decision-making process

- Ramphastos Investments: contracts
- HTCE Campus Site Management BV: initial contact interested companies

## Management

HTCE Campus Site Management BV

## Commitment

Ramphastos Investments, Municipality of Eindhoven, Brainport Eindhoven, Eindhoven University of Technology, BOM, Province of Brabant.

## Buildings

<b>Education and Research</b>	10	<b>ca. 12,500 m<sup>2</sup></b>
<b>Company buildings</b>	45	
• Incubator	2	<b>10,000 m<sup>2</sup></b>
• Accelerator	2	<b>2,500 m<sup>2</sup></b>

## Contact

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W: <a href="http://www.hightechcampus.com">www.hightechcampus.com</a>

# Kennispark Twente

Where science becomes business!



Area:

1,800,000 m<sup>2</sup>

Building capacity:

350,000 m<sup>2</sup>

Development space:

100,000 m<sup>2</sup>



## Infrastructure



1 - 15 minutes

**Train station**  
Enschede Central  
3 km - 15 min by bus  
Enschede Kennispark  
Within direct proximity



60 - 135 minutes

**Airport**  
Münster-Osnabrück  
87 km - 1 hr by car  
Schiphol Amsterdam  
170 km - 1 hr 35 min by car,  
2 hr 15 min by train



5 minutes

**Motorway**  
A35  
5 km - 5 min by car



**Digital infrastructure**  
Fiber and Wi-Fi  
Park fully broadband and  
Wi-Fi serviced



5 - 15 minutes

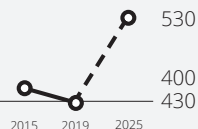
**City centre**  
Enschede  
5 min by train, 10 min by bus,  
15 min by bicycle, 10 min by car



# 400 Companies



- 100 Start-ups
- 290 Small & Medium-sized Enterprises (excl. start-ups)
- 10 Corporate players

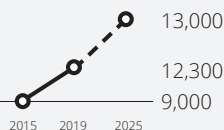


**Unique Companies**  
Xsens, Demcon, Sigmax, Kite Robotics, Undagrid, Lionix, SciSports, Micronit, Medspray, Bond3D, NXfiltration, U-Needle, RoBird

# 12,300 Jobs



- 3,000 University of Twente (UTwente)
- 3,000 Saxion
- 6,300 Companies



# 37,000 Students



- 26,000 Higher Education (Saxion Hogeschool)
- 11,000 University (UTwente)

of whom 4,300 international students



## Building capacity

- 350,000 m<sup>2</sup> Total building capacity (GFA) Gross Floor Area
- 250,000 m<sup>2</sup> In use
- 100,000 m<sup>2</sup> Development space

**Land lease:** Not available

**Land ownership:** Municipality of Enschede, University, various private parties

**Zoning plan:** BP Kennispark Twente 2013 (is being recalibrated)

## Developments

### €100 million

#### 2010 - 2019

- Upgrading Hengelosestraat, Auke vleeerstraat and University entrance
- Transformation of station area
- The Gallery I
- Innovationpath
- Demcon Technology Center
- U Park congress hotel
- Camelot Campus 053 short stay
- Ecare building
- TechMed Center

### €100 million

#### 2020 - 2025

- ITC development
- Entrepreneurial eco-systems
- Innovation applied in area development of a living smart campus
- Realization multiple single tenants buildings (4 in planning)
- Realization multitenant building
- Smart crossing
- BREEAM-certification
- Campus design public space
- Corridor
- New construction Fraunhofer Project Center

## Profile

The innovation campus Kennispark Twente in Enschede is a dynamic location, where over four hundred companies work on developments and innovations that make a difference. It is a location with a hospitable and established climate for entrepreneurs, which provides development and growth opportunities for companies active in the high-tech systems & materials sector. The campus is the second largest in terms of commercial jobs, with 6,300 people working at Kennispark Twente in Enschede, excluding the 3,000 academic staff members at the University of Twente.

#### Long-term vision

Kennispark Twente is set to grow into a knowledge-based campus with a unique mix of knowledge-intensive economic functions and academic networks, focusing on personal development, challenge and growth. Knowledge is a mainstay of the University of Twente, which is currently further strengthening its profile as an entrepreneurial university. The region of Twente continues to be an attractive location for innovative businesses. Kennispark Twente aims to be a meeting point for top-class European knowledge, technology and innovative businesses.

# Open Innovation Strategy

In Twente, sharing expertise and cooperative innovation speaks for itself. It springs from the conviction that this will lead to new possibilities, concepts and products. It helps companies to find their competitive advantage and to stay ahead of the competition. Innovating together means arriving at an intended result more quickly, and being able to focus on the demands and desires of the end-user and/or customer. At the end of the day, the metrics that really matter are shortening the time to market introduction and increasing profit on a particular product. Both companies and knowledge institutes in Twente play a strong role in this regard. Together with industrial partners, Kennispark Twente is working on roadmaps: in the coming years, what should Twente invest in, in terms of technology and knowledge development?

## World-class Research Institutes

- MESA+: One of the largest nanotechnology institutes in the world
- Technical Medical Center: leading Innovation Hub impacting healthcare
- CTIT: Institute for ICT research in context
- TPRC: Research Center for Advancing Thermoplastic Composites Technologies
- Fraunhofer Project Center: One of the largest non-profit organisations of applied research in Europe
- Max Planck: Center for Complex Fluid Dynamics
- European Membrane Institute: Performs confidential contract research directly with industry

## R&D Focus

The focus is on technological developments with a high social relevance: High Tech – Human Touch.

- **Smart Materials**  
thermoplastic composites, membranes, smart & functional materials, (bio)polymers, surface treatment
- **Software & Security**  
sensors, embedded systems, architectures, ICT
- **Nanotechnology**  
lab-on-a-chip (micro fluids), photonics, nano electronics
- **Advanced manufacturing**  
additive manufacturing, mechatronics & robotics, semiconductors

These technological developments hold relevance in a number of domains where they may be applied, such as energy, safety, health, water management and infrastructure.

## Shared R&D facilities

Kennispark Twente has several open innovation centres and platforms to develop and share knowledge related to high-tech systems and materials, such as OICAM (Open Innovation Center Advanced Materials), TPRC (ThermoPlastic Composites Research Centre), Texperium (recycling textiles), Laser Application Centre, Pioneering (construction technology), Technical Medical Center, BioNanoLab, Virtual Reality Lab, DataLab, SmartXp. In addition, several R&D facilities are available that are open to both companies and universities, for example High Tech Factory, Design Lab, Fablab, Nanolab, T-XChange and Twente Safety Campus.

### High Tech Factory

Production facility for companies in micro- and nanotechnology.

### Thermoplastic Composites Research Centre

Open innovation around thermoplastic composites

### Fablab Enschede

Special equipment such as a 3D printer for prototyping

### OICAM

Applied sustainable innovations in advanced materials

### Pioneering

Platform for innovation in the construction industry

### Design lab

Creative and cross-disciplinary lab connecting science and society

### Robotics

Robot technology for various service applications.

High Tech Factory production facility for companies in micro- and nanotechnology.

Nanolab: 1,250 m<sup>2</sup> state-of-the-art clean room, analysis facilities and BioNanoLab.



Events for sharing knowledge and skills.



OICAM: applied sustainable innovations in advanced materials.



## Start-up facilities and programmes

The business climate in Twente has traditionally been based on daring, a pioneering spirit and vision. The organisation Novel-T is building an environment in which entrepreneurs can seize new opportunities to stay or become a frontrunner in their league. By connecting and activating talent, knowledge, capital, network and infrastructure, opportunities will lead to new, innovative businesses. Several facilities and programmes are available to encourage those starting their own business:

- The TOP programme offers coaching and financing for start-ups.
- The Legal Advice Center Centre offers advice on the legal aspects of starting a new business.
- There are options for a number of financing possibilities, such as the Innovation Fund Overijssel, Cottonwood, and a network of informal investors.
- There is workspace available close to innovative companies.
- Many events for sharing knowledge and skills on entrepreneurship are organised, such as the Start-up Fest.

**Kennispark Twente:** the innovation campus with the University of Twente and many innovative companies and facilities.

## Sustainability

### Our policy

In addition to innovation, sustainability is one of the core criteria for every development on campus. Sustainability must lead to environmental and economic benefits. With its high-tech and research-related companies and institutions, Kennispark Twente is suitable for the application of innovative, sustainable solutions. It comprises a realistic laboratory where new techniques can be tested and implemented, including energy minimisation, climate and ventilation, day lighting, green roofs, sustainable materials, etc. Sustainable real estate, common areas and events are used as a statement to make knowledge and solutions visible to the public.

### Our main objectives

#### Environmental benefits

- reduced energy use: energy positive
- reduced material inputs
- increased recycling and re-use of materials, components and products
- reduced environmental waste and emissions

#### Economic benefits

- generation of additional revenue for economic players, cost benefits (energy, materials, waste management, compliance with environmental legislation)
- reduced market dependence on non-renewable and imported resources
- businesses gain a competitive edge on the growing green market
- improved public image of each company and of the park as a whole.

### Remarkable sustainability objects/achievements

- The Living Lab Smart Grid provides rich information about devices and building energy use as input for development and optimisation of new concepts, services and products for smart-grid solutions.
- A heat exchange system (located in the pond) is in use.
- Solar panels have been widely installed.
- There is an energy-neutral road.

### Community services & facilities

#### Kennispark Twente offers

- a full package of facilities, like The Gallery, Waaier, various restaurants, shops, meeting places, etc.;
- a full programme for all inhabitants (cultural, sports, business) and 250+ events annually for innovation & entrepreneurship, partner of Start-up Fest.

### Leisure (sports, congress)

Soccer, movie theatre, sports facilities, cultural performances, concerts and exhibitions, conference facilities, hotel.

### Parking

4,500 free parking spaces

### Park management

#### Site-related services

There is a joint security contract and joint general maintenance, with further services being developed. Such services are provided by the municipality of Enschede, in cooperation with the Kennispark Employers' Association.

#### Building-related services

There are eight serviced incubators, all with facility management, reception, cleaning/waste services, copy & print facilities, etc. These are operated by various partners.

### Governance

#### Campus ownership

Municipality of Enschede, University, private parties

#### Decision makers & decision-making process

These include the municipality of Enschede, University of Twente, private parties and NFIA/OostNV for initial contact with interested companies and contracts. Kennispark Twente conducts a profile assessment of any interested companies.

#### Management

Kennispark Twente

#### Commitment

University of Twente, the municipality of Enschede, the Twente Regional Authority, the Province of Overijssel and Saxion University of Applied Sciences.

### Buildings

<b>Education and Research</b>	<b>200,000 m<sup>2</sup></b>
<b>Company buildings</b>	
• Incubator/Accelerator	<b>25,000 m<sup>2</sup></b>
• Single-tenant	<b>80,000 m<sup>2</sup></b>
• Multi-tenant	<b>25,000 m<sup>2</sup></b>
<b>Housing (students)</b>	2,095 units



### Contact

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W: <a href="http://www.kennispark.nl">www.kennispark.nl</a>

# Leiden Bio Science Park

The largest life sciences cluster in the Netherlands



Area:

1,200,000 m<sup>2</sup>

Development space:

330,000 m<sup>2</sup>

## Infrastructure



1 minute

**Train station**  
Leiden Central  
Within direct proximity



15 - 20 minutes

**Airport**  
Schiphol Amsterdam Airport  
20 km ca. 20 min by car,  
ca. 15 - 20 min by train  
From Schiphol: more than  
320 direct connections to  
98 countries world wide



5 minutes

**Motorway**  
A44 within direct proximity  
A4 6 km - 10 min by car



**Digital infrastructure**  
Connected to Leiden  
Infrastructure Hub (Leidse  
Infrastructuur Bundeling)



10 minutes

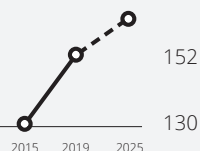
**City centre**  
Leiden  
Within walking distance of  
the monumental city centre



# 152 Companies



- 41 Start-ups
- 96 Small & Medium-sized Enterprises
- 15 Corporate players



## Unique Companies

- Janssen IDV/Janssen Biologics
- Astellas
- Dupont
- ProQr
- Baseclear
- Ncardia
- Galapagos
- Avery Dennison
- Mimetas

# 19,900 Jobs



- 4,000 Education: Leiden University, Leiden University of Applied Sciences, Secondary vocational education
- 8,400 Leiden University Medical Centre
- 7,500 Companies



# 30,100 Students



- 15,300 Leiden University
- 3,100 Leiden University Medical Centre
- 10,900 Leiden University of Applied Sciences
- 800 Secondary vocational education

of whom 1,800 international students



## Building capacity

- 330,000 m<sup>2</sup> Total development space
- 120,000 m<sup>2</sup> Future development – 50% companies/ 50% leisure and living
- 200,000 m<sup>2</sup> Free for development

**Land lease:** Yes, 40-50 yrs

**Land ownership:** Leiden University, municipality of Leiden, LUMC

## Developments

### 2010 - 2019

- Buildings: CHDR, Avery Dennison, Beagle Zernike, BioPartner Centre 2, GGZ Rivierduinen, Hilton Garden Inn, Halix, Baseclear, Janssen Vaccines, Naturalis Biodiversity Centre, LiS, Corpus, Level building (since January 2020 including the City Office)
- New sports facility and sports fields Leiden University
- Biotech Training Facility

### 2020 - 2025

- New buildings: Dupont, BioPartner 5, Galapagos, Dupont, SRON and Plus Ultra Leiden, Beta Campus, Leiden University Sports Centre, renovation and new construction TNO and the Netherlands Centre for the Clinical advancement of Stemcell Therapies (NECST)
- New Campus Square and parking structure
- Project More: residential area including 1,000 rental properties, restaurants, collective utilities etc.
- LSH-Incubator Program

## Profile

Leiden Bio Science Park is the leading life sciences and health cluster in the Netherlands. It is a mature science cluster with an internationally renowned Science faculty, and the renowned and highly accomplished academic R&D institutes of Leiden University (LU) and Leiden University Medical Centre (LUMC). Both LUMC and LU occupy a top position within the international medical research world. The park is also home to over 150 companies, among which drug development companies in all phases of the value chain. Together, they are dedicated to early drug development, the development of advanced therapies, and personalised medicine in combination with diagnostics. It also hosts med-tech companies, drug development services companies and dedicated business services. Two out of five of the Dutch listed biotech companies are based in Leiden. Galapagos has been promoted to the AEX index at NYSE Euronext in Amsterdam, while ProQR is listed on NASDAQ. There is a wide range of institutions that provide life science education in the park, from vocational to academic levels.

### Long-term vision

The Leiden BioScience Park will be further developed as a dynamic innovation district with 25,000 professionals, more than 35,000 students and 3,600 homes in 2025. It will become a global hotspot for Life Sciences and Health, where talent, researchers, innovators and investors from the Netherlands, Europe and the rest of the world come together to improve health.

# Open Innovation Strategy

Open innovation is essential and driven by the motto 'collaboration is key to excellence'. Companies and academia together invent, describe, screen, test, develop, produce and apply the medical treatment of today and tomorrow. The people involved make matters work and are the key to open innovation, organising countless meetings and partnering for events. Providing valorisation, knowledge support on business models and a nurturing environment are key aspects of the park. The valorisation of Leiden University and LUMC research is managed by Luris, dedicated to knowledge partnering between academia and industry. Luris stimulates academic entrepreneurship and offers legal support and assistance in finding the right research funding. The new Leiden Bio Science Park organisation is also a driving force in the further development of the park, developing and implementing initiatives, programmes and activities to facilitate access to knowledge, talent, capital, innovation and the market. The vibrant business community, top-of-the-line research, excellent facilities, business support and the commitment of government bodies make Leiden Bio Science Park the ideal location for businesses to flourish.

## World-class Research Institutes

- TNO (Dutch organisation for applied research (Prevention, Health & Pharma))
- Leiden Academic Centre for Drug Research (LACDR)
- Leiden Institute for Brain and Cognition
- Leyden Academy on Vitality and Ageing
- Naturalis Biodiversity Center
- NeCEN (Netherlands Centre for Electron Nanoscopy with two of the most advanced cryo-transmission electron microscopes in the world)
- CHDR (Center for Human Drug Research – clinical studies, funding & training programmes)
- Clinical Trials Unit (part of the European Group for blood and marrow transplantation)
- Center for Proteomics and Metabolomics (CPM)
- Leiden Genome Technology Center (LGTC)
- Gorter Center (MRI centre)
- Brain Imaging (f)MRI
- Lifestyle4Health (Dutch Innovation Center for Lifestyle Medicine – NILG)
- Molecular Imaging Laboratories Leiden
- NELL (National eHealth Living Lab)
- Netherlands Metabolomics Centre (NMC)
- Institute of Biology Leiden
- The Leiden Institute of Chemistry (LIC)
- Leiden Institute of Advanced Computer Science (LIACS)

## Shared R&D facilities

### Open Access Research Infrastructure (OARI)

Leiden Bio Science Park provides access to instruments and expertise. On this website, you can find information on the research infrastructure that Leiden University and Naturalis Biodiversity Center can provide. The state-of-the-art analytical instruments and related expertise are accessible to all interested parties.

- Cell Observatory (Institute for Cell Research)
  - DNA Marker Point Facility
  - NMR Facility and more.
- [www.oari.science.leidenuniv.nl](http://www.oari.science.leidenuniv.nl)

**Biotech Training Facility (BTF)** is a production centre where pharmaceutical training is given in a real-life environment. It can be used as a pilot plant for testing equipment and processes. BTF is fully equipped with clean rooms, laboratories and a technical area full of easily accessible, state-of-the-art utilities.

[www.biotechtrainingfacility.com](http://www.biotechtrainingfacility.com)

### LUMC Research Fundamentals and Facilities

The LUMC's Technological Focus Areas (TFAs) cluster R&D facilities, equipment and knowledge, carry out excellent research and develop methods or technologies for their designed fields. They further offer technological services and support to LUMC research groups and their partners.

- Light and Electron Microscopy facility
  - Centralised Biobanking Facility
  - Interdivisional GMP-facility
  - Center for Proteomics and Metabolomics
  - Flow cytometry Core Facility (FCF) and more.
- [www.lumc.nl/research/facilities/](http://www.lumc.nl/research/facilities/)

## R&D Focus

- **Societal outreach: Oncology, regenerative medicine, drug development, personalised medicine and population health**
- **Theme's: Academic pharma, neuroscience, cancer, immunity and autoimmunity, cell, tissue & organ (tx), cardio-vascular, genetics, infection, lifecourse/life science, artificial intelligence, biodiversity and prevention & lifestyle**

In Leiden Bio Science Park, the research institutes of Leiden University, the LUMC and TNO, together with the biomedical life science companies, are dedicated to the development of innovative drugs, vaccines, diagnostics and platform technologies.



Leiden Bio Science Park



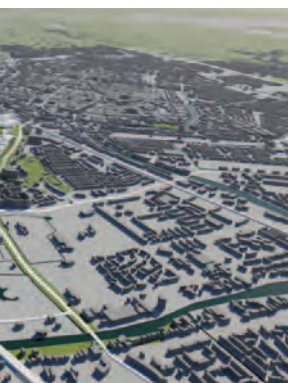
Naturalis Biodiversity Centre and Pesthuis



© Studio Hartzema



Biotech  
Training  
Facility



## Start-up facilities and programmes

**The Biopartner Foundation** is the park's incubator organisation, supplying office and lab space (roughly 20,000 m<sup>2</sup> in floor space and 6,000 m<sup>2</sup> more under development) to start-ups. It also offers start-ups various networking opportunities and a development programme. On top of these services, in 2020, a new LSH incubator will offer personal coaching, training, access to capital, network and space. Everything young LSH start-ups need. The incubator will be both a breeding ground from which new 'Leiden' talent is nurtured and marketed, and a service that has a significant attracting effect on start-ups from outside the city and the country.

**Lugus** is the student organisation for entrepreneurial students. They provide various programmes and support activities for students who are considering starting a business or are in the process of creating a private company.

**PLNT** offers an activation programme focused on developing attendees as a professional and/or entrepreneur aimed at actually creating impactful projects and/or companies in Leiden.

**InnovationQuarter (IQ)** is the regional economic development agency for the Province of Zuid-Holland. Its mission is to strengthen the regional economic structure by stimulating the innovation potential of this unique delta region. It cooperates with the Leiden Bio Science Park organisation in supporting life science-related companies with innovation, investments and internationalisation.

## Sustainability

### Our ambition

Sustainability has been fully integrated into the development of the area, and we aim to continue to build on this foundation. The overarching sustainability ambition is to achieve BREEAM-NL Area Certification. Some organisations at Leiden Bio Science Park already have BREEAM certification.

### Location, buildings, ecological structure

The location and layout of the LBSP is sustainable: the park has good connections with the public transport network. The current buildings are already predominantly sustainable, and there is an explicit intention to achieve sustainable buildings in all new real estate developments. There is room in the park for the expansion of businesses, facilities and functions that contribute to greater cohesion and liveliness. And every effort will be made to preserve existing features and green, ecological structures.

### Corporate social responsibility

The organisations at the park focus on sustainability through meticulous use of energy and raw materials, reducing and separating waste and the reduction of CO<sub>2</sub> emissions, and they also contribute to the UN sustainable development goals (SDGs) set for 2030 – Good Health and Well Being.

### Community services & facilities

The Leiden Bio Science Park organisation sets up programmes and events to connect people and organisations from the LBSP. It organises various formal and informal gatherings, social events (e.g. the monthly Life Science Café, Tech Talks and sports tournaments) among LBSP residents, and supports the organisation of LSH symposia and congresses in Leiden. Additionally, it manages the LBSP-website, which offers information about the park and its residents, the latest news and job opportunities. LBSP has many facilities as shops, restaurants (De Stal and Lab071) and hotels (e.g. Hilton Garden Inn, Holiday Inn, Fletcher Wellness hotel and Topaz Revitel). University Sports Centre Leiden offers a range of sports facilities, including an indoor sports hall, soccer field, tennis courts, volleyball courts and hockey fields. The park is also home to two world-class museums dedicated to life sciences: Naturalis Biodiversity Center and CORPUS Experience.

To create more space for leisure, sports, events and culture, these facilities will be expanded in the coming years. As an example: the Pesthuis will be transformed into a complex with restaurants, art and culture.

### Parking

The LBSP has shared parking facilities. Several multi-storey car parks (e.g. LUMC and Level) and the University Sports Centre Leiden car park are open to paying visitors and patients. The parking structure, with new parking facilities, recently went under development.

### Parkmanagement

Stichting Leiden Bio Science Park

### Governance

#### Campus ownership

Municipality of Leiden, municipality of Oegstgeest, Leiden University, LUMC and the Rijksvastgoedbedrijf.

#### Decision makers & decision-making process

The decision makers in question are the Province of South Holland, the municipality of Leiden, municipality of Oegstgeest, LUMC, Leiden University, Entrepreneur Association OV BSP and Janssen Biologics. The LBSP is subject to a zoning plan and diversification agreements per sub-area, which vary in severity depending on the function (offices, laboratories/production). These agreements are aimed at retaining the focus on Life Science and Health. Every company that wants to be located at the park must meet the predetermined criteria.

### Management

The daily management of the park is entrusted to the LBSP organisation. In cooperation with the founding partners of the foundation, the LBSP organisation develops and implements programmes and projects to transform the park into a dynamic innovation district.

### Commitment

Management board: municipality of Leiden, municipality of Oegstgeest, Leiden University, LUMC, Entrepreneur Association OV BSP and Janssen Biologics.



Sports facility and sports fields Leiden University  
© Studio Hartzema

### Contact

Leiden Bio Science Park

BioPartner Center 2

J.H. Oortweg 19

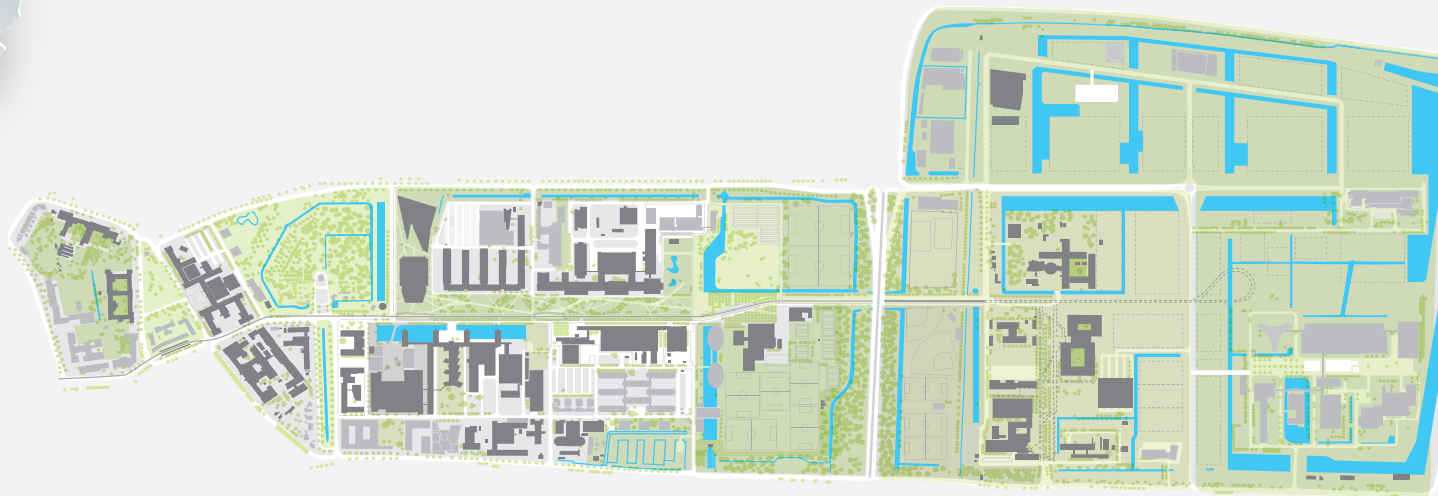
2333 CH Leiden

T: +31 71 524 7555

E: office@lbsp.nl

W: www.leidenbiosciencepark.nl

# TU Delft Campus



Building capacity:

500,000 m<sup>2</sup>

Area:

1,610,000 m<sup>2</sup>

Development space:

400,000 m<sup>2</sup>

## Infrastructure



10 minutes

**Train station**  
**Delft Central**  
2,3 km - 5 - 11 min by bus  
**Delft Campus**  
1,3 km - 15 min walk



15 - 50 minutes

**Airport**  
**Rotterdam The Hague**  
10 km - 34 min by public transport, 15 min by car  
**Schiphol Amsterdam**  
63 km - 37 min by public transport, 35 min by car



1 minute

**Motorway**  
**A13**  
Direct access



**Digital infrastructure**  
Park fully broadband and Wi-Fi service available



5 minutes

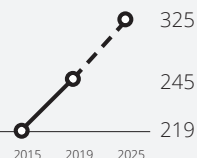
**City centre**  
**Delft**  
5 min by bus  
10 min bike ride  
**Rotterdam**  
11 min by train  
**The Hague**  
12 min by train



# 245 Companies



- 200 Start-ups
- 35 Small & Medium-sized Enterprises (excl. start-ups)
- 10 Corporate players



**Unique Companies**  
3M, ABB, Applikon Biotechnology, Exact, Fizyr, Microsoft, Physee, YES!Delft, D:DREAM teams, Deltares, TNO, VSL-NMI.

# 12,100 Jobs



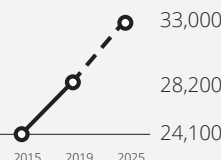
- 9,100 Education/Institutes
- 3,000 Companies



# 28,200 Students



- 25,000 University
  - 3,200 Higher education
- of whom **5,500** international students



## Building capacity

- 500,000 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area
- 100,000 m<sup>2</sup>** In use
- 400,000 m<sup>2</sup>** Development space

**Land lease:** Yes, 50-100 years  
**Land ownership:** TU Delft  
**Zoning plan:** Technopolis, 2015  
Technopolis Clusters & Kamers, 2013

## Developments

### 2010 - 2019

- ABB: commercial building with research facilities
- Holland Particle Therapy Centre: an innovative research and treatment centre for proton therapy
- Pulse: energy neutral educational building TU Delft
- RoboValley headquarters: the place for researchers and entrepreneurs to cooperate in the field of robotics
- Sports & Culture facilities: upgrade and expansion
- YES!Delft Labs: a second YES!Delft building including offices and research labs
- Faculty of Applied Sciences: new TU Delft faculty building

### 2020 - 2025

- Echo: energy neutral educational building TU Delft
- ESP Lab: Electrical Sustainable Powerlab TU Delft
- Faculty of Applied Physics: new TU Delft faculty building
- Next!Delft: accelerator building
- Oldelft: commercial building and research facilities
- Pavilion: restaurant on the southern part of the campus
- TNO MEC Lab: commercial building and research facilities
- Quantum Delft: public-private innovation cluster

## Profile

### High-quality ecosystem

The TU Delft Campus is the high-quality innovation ecosystem of TU Delft, where researchers, companies, start-ups and knowledge institutions work together on groundbreaking new technologies. What sets the campus apart are the hotspots for co-creation and co-innovation: our various field labs and innovation clusters around scientific themes such as quantum (QuTech) and robotics (RoboValley).

### Corporate partners

TU Delft has traditionally been an entrepreneurial university, resulting in many start-ups and spin-offs. With YES! Delft, we have the largest tech incubator in Europe, and many large, established companies want to be here as well. These are our partners: they share our ambition, collaborate with our researchers and are part of the community.

### Community

The community adds the oxygen to the ecosystem. With high-quality research facilities, attractive hospitality, co-working spaces, campus events and real-estate development, we ensure that the TU Delft Campus is an attractive place to work, live and visit.

### Long-term vision

Everyone takes inspiration from the visible collaborations, groundbreaking research and leading innovation. The campus is a magnet for innovative businesses, and stakeholders are becoming increasingly proactive in seeking partnerships among each other.

# Open Innovation Strategy

TU Delft Campus is an open community for everyone involved in innovation.

To push forward scientific boundaries faster, TU Delft has set up several public-private innovation programmes around existing research clusters, such as quantum, robotics and optics. Co-creation speeds up innovation and creates opportunities for science that otherwise would not have existed.

What sets TU Delft Campus apart are the various field labs: real life testing sites where companies and knowledge institutions collaborate to develop, test, learn to implement and scale up new technologies for commercial applications.

As a result, TU Delft Campus develops into the place where radical innovations are conceived, developed and realised: a true Home of Innovation.

## R&D Focus

- **Climate & Energy**
- **Health**
- **Robotics & AI**
- **Quantum technology**

# World-class Research Institutes

- TU Delft Institutes (high-quality research capacity in university-wide institutes)
  - Bioengineering Institute
  - Climate Institute
  - Institute for Computational Science and Engineering
  - Design for Values Institute
  - Dutch Optics Centre
  - PowerWeb Institute
  - Process Technology Institute
  - Robotics Institute
  - Safety & Security Insitute
  - Space Institute
  - Sports Engineering Institute
  - Transport Institute
  - Wind Energy Institute
- Deltares (Independent institute for applied research in the field of water and subsurface)
- TNO (Dutch organisation for applied research)
- VSL (Dutch National Metrology Institute)
- NMI (independent specialist for testing, certification and training in the field of metrology)
- Holland Particle Therapy Centre (an innovative research and treatment centre for proton therapy by Erasmus MC, LUMC en TU Delft)

# Shared R&D facilities

## Research facilities

To attract and facilitate outstanding scientific talent, conduct groundbreaking research and train new generations of engineers, TU Delft heavily relies on excellent research facilities.

We use our campus as a living lab, which allows us and our research partners (for example TNO, Deltares and Microsoft) to test, for example, the real-life practicality of computer models. This is done on a large scale, which is a defining element of TU Delft's profile within the international research landscape.

Reactor Institute Delft, the Dutch knowledge centre for radiation-related research and education.



Simona Research Simulator was specially built for TU Delft and can realistically simulate all types of aircraft, helicopters and even cars.



D:DREAM Hall: Dream Realisation of Extremely Advanced Machines, birthplace of DARE, Delft Hyperloop, the Nuna and Solar Boat.



RoboHouse, RoboValley's Smart Industry Fieldlab.



**QuTech**, an advanced research centre for quantum computing and quantum internet.

**The Green Village**, living lab for sustainable innovation.

## Start-up facilities and programmes

Being an entrepreneurial university, TU Delft generates lots of talented engineers who want to build a company around their inventions. To help them build their firm, they can enrol in several start-up programmes at TU Delft Campus.

Leading Tech Incubator in Europe **YES!Delft** supports and empowers tech entrepreneurs in bringing their disruptive tech innovation to the market as fast as possible and in the best manner possible. YES!Delft is part of TU Delft and located on the southern part of TU Delft Campus.

**Delft Enterprises** participates in innovative, early stage and technology-based spin-off companies of TU Delft.

**RoboValley** offers workspace and housing for robotics companies and start-ups and provides access to venture capital and accelerator programmes (together with YES!Delft) for the most promising robotics and AI technologies.

The **Aerospace Innovation Hub** is a pre-incubator facility within the Aerospace Engineering faculty of TU Delft where student entrepreneurs, researchers and industry work together to innovate aerospace.

## Sustainability

### Our policy

TU Delft is working to make the campus more sustainable. The ambition is a CO<sub>2</sub> neutral and circular campus in 2030. As we continue to develop the campus, our focus is on limiting environmental impact. We do this by thinking about whether we actually need something (refuse), by reducing our use of energy and materials (reduce) and by generating as much energy as possible from renewable sources (produce). We reuse materials and products wherever possible (reuse). New materials and products are produced as sustainably as possible.

In new-build and renovation projects, we involve the market and the scientific staff to arrive at innovative solutions. The recently built education building Pulse is a good example of this. It is the first energy-neutral building on campus and was developed in close cooperation with the Architecture faculty.

Making the campus more sustainable contributes to a liveable and healthy learning and working environment.

### Our main objective

A CO<sub>2</sub> neutral and circular campus in 2030.

### Remarkable sustainability achievements

- Energy neutral educational building Pulse
- 10,000 m<sup>2</sup> of solar panels on buildings
- LED lighting is used all over campus
- A heat exchange system is in place
- Dynamic Heating Network Controller



### Community services & facilities

TU Delft Campus has bookshops, food courts and coffee shops. Various community activities take place throughout the year, such as Highlight Festival, TU Delft Research Exhibition, Community Drinks & Insights, multiple Cafés by Field labs, and the Dies Natalis.

### Leisure

- 18,000 m<sup>2</sup> devoted to sports and cultural facilities, including soccer, tennis and volleyball facilities and fitness centres.
- 14,500 m<sup>2</sup> devoted to conference centres.

### Parking

- 3,600 parking spaces
- Free parking on campus

### Park management

#### Site-related services

Maintenance, security, waste & environmental management and interior plant care are provided. Responsible parties are the Director of Campus & Real Estate and the Site Management & Maintenance department.

### Building-related services

Catering, cleaning, internal relocations, furniture, audio-visual services, mail distribution and printing services are available. Responsible parties are the Director of Campus & Real Estate and the Site Management & Maintenance department.

### Governance

#### Campus ownership

TU Delft

#### Decision makers & decision-making process

Decisions on campus development are made by the Executive Board of TU Delft.

#### Management

Director of Campus and Real Estate

#### Commitment

Municipality of Delft, TU Delft

### Buildings

<b>Education and Research</b>	58	<b>605,000 m<sup>2</sup></b>
<b>Company buildings</b>	30	<b>135,000 m<sup>2</sup></b>
<b>Student housing</b>	3,328 units	

### Contact

TU Delft Campus

Van der Burghtoren (Building 26C)

Van der Burghweg 1

2628 CS Delft

E: [info@tudelftcampus.nl](mailto:info@tudelftcampus.nl)

W: [www.tudelftcampus.nl](http://www.tudelftcampus.nl)

# Eindhoven University of Technology

Hightech solutions for societal challenges



Building capacity:

655,000 m<sup>2</sup>

Area:

750,000 m<sup>2</sup>

Development space:

200,000 m<sup>2</sup>

## Infrastructure



25 minutes

Train station  
Eindhoven Central,  
1 km - 8 min walking



10 - 50 minutes

Airport  
Eindhoven Airport  
10 km - bus 400 or 401 in  
20 min to Eindhoven Central  
Station, 8 min walking



10 minutes

Motorway  
A2, A50, A58, A67, A270 -  
10 min



Digital infrastructure  
Park broadband and Wi-fi,  
Service available



10 - 25 minutes

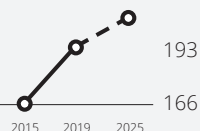
City centre  
Eindhoven  
10 min walking, 10 min by car,  
25 min by bus



# 193 Companies



- 77 Start-ups
- 109 Small & Medium-sized Enterprises
- 7 Corporate players



**Unique Companies**  
Such as: DIFFER, GE Healthcare, Ionika, Preceyes, Xeltis, TUSTI, STENTIT, Taylor, Angiogenesis Analytics, EFFECT Photonics, Hipermotion, Hybrid Catalysis, Level Acoustics & Vibration, PTG/e, SMART Photonics, Simbeyond, JimFit, MedApp, Eventix, Maps Untold, Optiply, Wolfpack

## Building capacity

**655,000 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area  
**455,000 m<sup>2</sup>** In use  
**200,000 m<sup>2</sup>** Development space

**Land lease:** Yes, 30-50 years  
**Land ownership:** TU Eindhoven  
**Zoning plan:** TU/e Campus, 2011

## Developments

### Until 2019

- New (educational) buildings: MetaForum, Flux, Ceres with ICMS institute, Catalyst, Atlas (main building), Nexus (Fontys at De Rondom)
- Newly established centers: Data Science Center, High Tech Systems Center
- Landscape development: Groene Loper
- New initiatives: innovation Space, Eindhoven Engine, DIFFER: Dutch Institute for Fundamental Energy Research
- Sale: Bunker to Bunkertoren BV, Kennispoort to Kadans Science Partner, Multi Media Paviljoen to Kadans Science Partner, Meulenstein House of Robotics to Kadans Science Partner (formally known as Meulenstein Art Centre)
- Residential buildings for students: Luna and Aurora

### After 2019

- Remodeling: Laplace, Gemini, Fenix, Helix, Student Sports Centre
- New initiatives: Artificial Intelligence Institute, Research Institute for Sustainable Energy Systems

## Profile

We are a leading university in science and technology. With an open eye for developments in the world around us, we are one of the internationally defining academic institutions at the forefront of science and technology, educating the engineers of the future who combine in-depth knowledge about technology with the skills to address challenges out in the world. The TU/e campus is both a physical and a virtual place: a living lab that connects people with each other and the world. The TU/e campus is home to more than 150 businesses and welcomes more than 15,000 people every day. Our lively campus community facilitate connections between brilliant minds, in an open, friendly and vibrant environment that welcomes, inspires, motivates and supports.

Our campus is in the centre of one of the most powerful technology hubs in the world: Brainport Eindhoven. Globally, we stand out when it comes to collaborating with advanced industries. Together with other institutions, we form a thriving ecosystem with one common goal: to improve quality of life through sustainable innovations.

# 6,600 Jobs



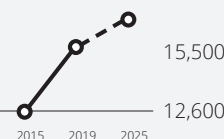
- 4,200 TU/e
- 400 Fontys
- 2,000 Companies



# 15,500 Students



- 12,000 TU/e
- 3,500 Students Fontys & Summa College
- of whom **1,700** international students



## Open Innovation Strategy

The TU/e campus is a place of national significance and international allure, with state-of-the-art research facilities. With plenty of scope for R&D-driven (start-up) companies. No longer closed, but on the basis of open, multidisciplinary innovation processes. We collaborate closely with other universities, scientific institutes, social organisations, government and industry.

Our ambition? To develop an ecosystem around our university that is geared to sustainable collaboration with small and medium-sized companies (SMEs) and industry. If research results are adopted by business and industry and converted into actual products, knowledge adds value.

For successful collaboration, TU/e is the place to be. TU/e continues to hold its position at the world top when it comes to research collaboration with industry. According to the CWTS Leiden Ranking 2019, the TU/e publishes almost 16% of its publications together with one or more industrial partners, making it the first 'broad' technical university in the world in terms of combined research with industry.

## World-class Research Institutes

- DIFFER
- Institute for Complex Molecular Systems (ICMS)
- Institute for Photonic Integration
- High Tech Systems Center
- Data Science Center
- GE Healthcare
- Eindhoven Engine
- Eindhoven Artificial Intelligence Systems Institute (EAISI)
- Eindhoven Institute for Renewable Energy Systems

## R&D Focus

Eindhoven Engine will accelerate innovation in the Brainport Region through challenge-based research in its public-private research facility at TU/e Campus. Our region's most talented researchers from industry, knowledge institutes and students will cooperate to deliver breakthrough technological solutions. Doing research together, relevant and valuable to society, also means co-investing. At TU/e we facilitate more research in the umbrella themes of:

- **Health**
- **Smart Mobility**
- **Energy**

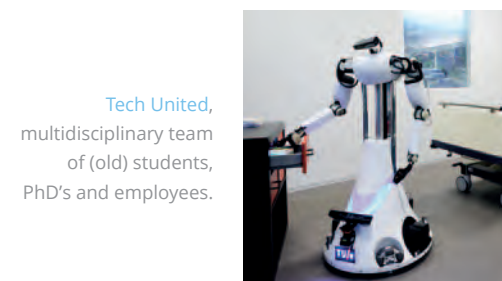
## Shared R&D facilities

The on-campus R&D facilities facilitate a lively community where knowledge and brilliant minds from inside and outside the campus actually meet and work together to conduct pioneering research on societal challenges and issues. They range from a wind tunnel, chip facility and a cell and tissue engineering lab, to an automotive and robotics laboratory and prototyping facilities. Besides the 16 larger laboratories and the facilities of DIFFER, TU/e campus hosts another 40 smaller research labs.

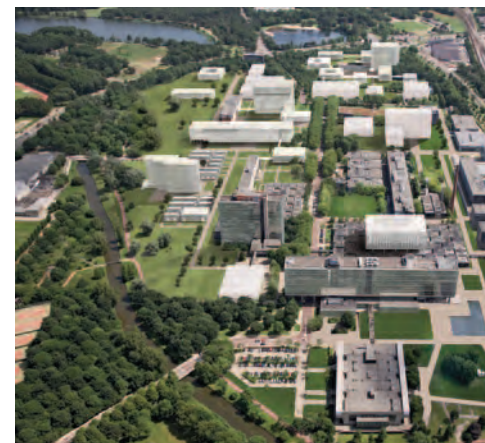
Furthermore, there are several business centers on the campus that offer users small-scale office and laboratory space on the TU/e Campus: Catalyst, Kennispoort and Twinning. They all have access to knowledge, specialist research facilities, potential business partners and clients available at the TU/e Campus.

TU/e Health, research on early detection of premature birth.

Innovation Space, **Matrix building**, where students learn to deal with complex societal and industrial challenges and develop innovative projects with researchers, business and other stakeholders.



**Tech United**, multidisciplinary team of (old) students, PhD's and employees.



**Center for Wireless Technology** facilitates research on wireless systems and antennas, raising the Internet of Things to a higher level.



Student teams **Automotive**

Atlas, according to BREEAM  
the most sustainable educational  
building in the world.

## Start-up facilities and programmes

Entrepreneurship and valorisation are very important to us. We turn theories and promising technological concepts into projects and products with direct impact. Within STARTUP/Eindhoven, our entrepreneurial student community, we advise students starting their own company. As from this year, we also offer an incubator programme for talented students and researchers.

Another initiative to stimulate entrepreneurship is TU/e innovation Space. It is a community and facility that supports hands-on, interdisciplinary education, engineering design and entrepreneurship. Students learn to deal with complex societal and industrial challenges, create prototypes and develop innovations in collaboration with researchers, businesses and each other.

Students with **promising valorisation opportunities** can compete in the annual TU/e Contest. Every year since the first edition back in 2015, the TU/e Contest has offered students the opportunity to further develop their own ingenious ideas, prototypes and research projects into Minimal Viable Products and business plans.

Student teams have a special place within our entrepreneurship for students. TU/e regards these teams as an excellent opportunity for entrepreneurial students to further develop themselves, as the work within the team provides both subject content and organisational challenges.

## Sustainability

### Our policy

At TU/e, sustainability is actively integrated and combined in our education, research and business management.

In the coming ten years, our focus will be on five themes that tie in with the qualities and culture of our university and campus:

- Smart and Green Mobility;
- Abundant, Clean Renewable Energy;
- Circular and Restorative Resources;
- Our Campus as a Green Oasis; and
- Creating a Vibrant, Vital Community.

### Our main objectives

- Only use and facilitate means of transport that are fossil fuel-free, efficient and from renewable sources;
- Fifty percent energy neutral in 2030;
- All products used by the TU/e fit into a circular process and are free from substances that harm people or the environment;
- Our campus is a green oasis designed to connect with abundant native flora and fauna and contributes to a healthy environment with clean air and fertile soil where people like to hang out;
- Our vibrant campus cultivates a culture of compassion, well-being and equity, and we facilitate a healthy and active lifestyle.

### Remarkable sustainability achievements

- The development of the most sustainable educational building in the world, Atlas, with a BREEAM Outstanding score of 96.01%;
- Winning the SustainaBul for being the most sustainable higher education institution in the Netherlands in 2018 and 2019;
- Having one of the biggest heat exchange systems in Europe.



Photo: Norbert van Onna

### Community services & facilities

Eindhoven University of Technology offers a vast library for students, several F&B accommodations, car rental, hair salon, daycare center, employment agency and multiple supermarkets. Community services are mainly based around students. There are many student associations, disputes and three students' corps. Additionally, the campus offers room for cultural associations with focus on sports, dance, drama, music, photo/film and debating.

### Leisure

44.000 m<sup>2</sup> / The Student Sports Centre offers 70 sports including fitness, indoor pool, outdoor tennis courts, football and hockey fields. Cultural facilities include dance, theater, music, expositions, movies and readings.

### Parking

- 2,000 Car parking spaces, paid
- 9,120 Bicycle parking places

### Conference Space

17,000 m<sup>2</sup>/Auditorium

### Park management

#### Site-related services

Providing full-service amenities like utilities, ATES (Aquifer Thermal Energy Storage), maintenance of roads and landscaping, campus security and a private fire brigade.

#### Building-related services

All buildings are connected to a private energy network and a building monitoring system. Additional

services are cleaning, garbage disposal, emergency response training, postal service and consultancy for ICT, security, environmental management, etc.

### Governance

Decisions on campus development are made by the Executive Board of TU/e. TU/e service Real Estate Management is responsible for the overall real estate development, park management, and the 75 hectares of terrain on the TU/e campus. Private parties Kadans, Twice, Camelot, Vestide, Dura Vermeer also own several buildings on campus.

### Buildings

<b>Education and Research</b>	26	<b>385.000 m<sup>2</sup></b>
<b>Company buildings</b>	7	<b>40.000 m<sup>2</sup></b>
<b>Student housing</b>	700 units	<b>30.000 m<sup>2</sup></b>

### Contact

TU/e Real Estate Management

Ir. Dorine Peters-van Dommelen (Director)

T: +31 40 247 2775

E: d.b.peters@tue.nl

W: www.tue.nl

# Utrecht Science Park

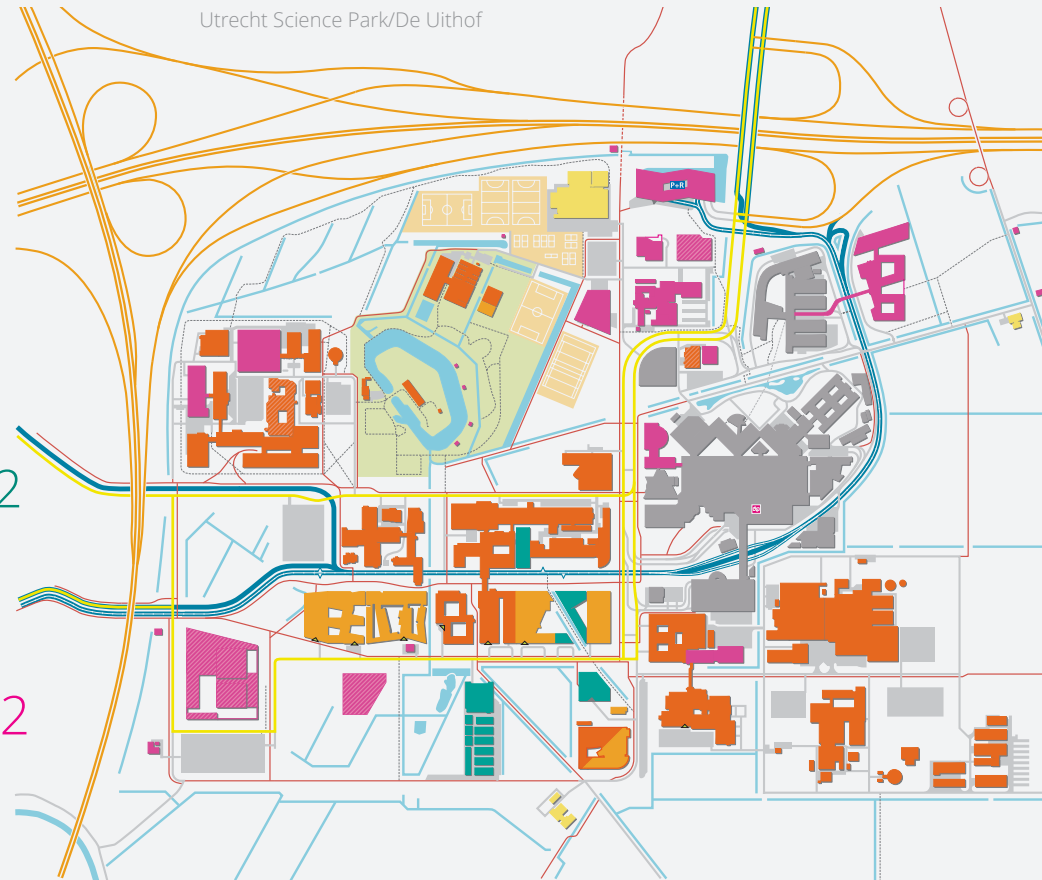
Improving health and quality of life



Area:  
3,220,000 m<sup>2</sup>

Building capacity:  
1,381,000 m<sup>2</sup>

Development space:  
223,000 m<sup>2</sup>



## Infrastructure



10 minutes

Train station  
Utrecht Central  
5 km – 12 min by bus, city-train



38 - 45 minutes

Airport  
Amsterdam Airport Schiphol  
50 km – 45 min by train,  
38 min by car



1 minute

Motorway  
A27 & A28  
Direct access

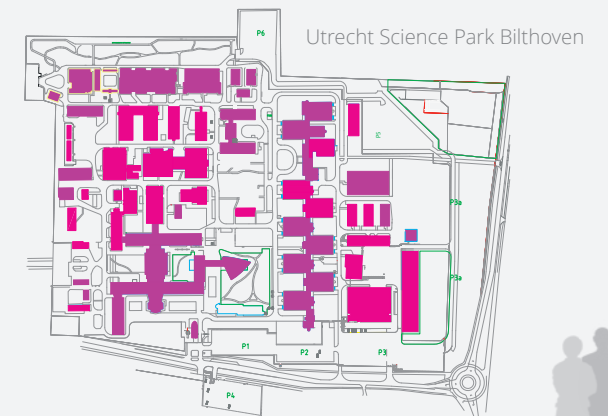


Digital infrastructure  
Glass-fiber



10 minutes

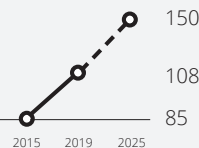
City centre  
Utrecht  
4 km - 10 min by tram, bus,  
car, bicycle



# 128 Companies



- 67 Start-ups
- 55 Small & Medium Enterprises (excl. start-ups, incl. services)
- 6 Corporate



# 27,500 Jobs



- 5,400 Utrecht University
- 12,000 University Medical Center Utrecht
- 3,400 HU University of Applied Sciences
- 1,900 National Institute of Health and Environment
- 250 Hubrecht Institute
- 1,500 Princess Máxima Center for Pediatric Oncology
- 675 Nutricia Research
- 240 Genmab
- 550 Bilthoven Biologicals
- 350 Central Military Hospital
- 1,235 Other companies and institutions



# 51,000 Students



- 19,000 Utrecht University
  - 32,000 HU University of Applied Sciences
- of whom **2,500** international students



## Building capacity

- 1,381,000 m<sup>2</sup> Total building capacity (GFA) Gross Floor Area
- 1,328,000 m<sup>2</sup> Real estate in use
- 53,000 m<sup>2</sup> Development space
- 170,000 m<sup>2</sup> Redevelopment space

**Land lease:** Yes, 30-50 years

**Land ownership:** Utrecht University, UMCU, Municipality Utrecht, Poonowalla Science Park BV

**Zoning plan:** De Uithof 2010, revision in 2018; Antonie van Leeuwenhoeklaan 2013

## Developments

### €900 million

2010 - 2019

public

Koningsberger (UU), Utrecht Castel (UU, TNO, Deltares), Park & Ride, Hubrecht Institute, Westerdijk Institute, Prinses Máxima Center, Faculty Geosciences (UU), HU University of Applied Sciences, Tramway

private

Danone Nutricia Research, Life Sciences Incubator, Johanna (SSH), Genmab, Bilthoven Biologicals

### €2,1 billion

2020 - 2025

public

RIVM + CBG, Redevelopment Van Unnik (UU), Redevelopment Kruyt (UU), Faculty Veterinary Sciences (UU), Redevelopment UMCU

private

Accelerator plot 38, Accelerator plot 32, Student housing (SSH), International School Utrecht



## Profile

Utrecht Science Park (USP) provides a vibrant, dynamic and exciting place to work, to study and to interact. It brings together competences from business, industry and academia in order to design and create healthier, safer and more sustainable cities for everyone, for this generation and for subsequent generations. Institutions of basic and applied research, education and clinical care with top researchers, talented students and innovative research companies make Utrecht Science Park an attractive location thanks to the completeness of the ecosystem. In addition to excellent educational programmes, there is a unique research infrastructure that is among the best in Europe.

### Long-term vision

Utrecht Science Park is one of the main engines of growth and innovation in one of the most competitive regions of Europe. In the next five years (until 2025), another 2,000 jobs will be added to the USP community. In this way, USP contributes to a regional ecosystem with the lowest unemployment rate in Europe. The excellent quality of its institutions and facilities and the outstanding expertise in Healthy Urban Living place Utrecht Science Park squarely among the top of the European science parks. The strong collaboration with the other Dutch Science & Innovation Parks adds to the economic growth and competitiveness of the Netherlands.

## Open Innovation Strategy

Utrecht Science Park hosts a research community that is aimed at creating solutions for societal problems. We bring people together and facilitate collaboration and co-creation through community building.

**Pontes Medical** is a community of health care professionals, engineers and designers at UMC Utrecht that, in collaboration with private companies, invents and develops affordable and safe medical devices that bring health care closer to the patient at home.

**InnovationLab Life Sciences & Chemistry** is a lively, dynamic and exciting location to start or advance a life sciences enterprise. InnovationLab offers access to research infrastructure and students and scientists of HU University of Applied Sciences Utrecht in the context of a co-creation environment.

## World-class Research Institutes

- TNO
- Deltares
- KNAW Hubrecht Institute
- KNAW Westerdijk Institute
- Netherlands Institute for Space Research (SRON)
- Princess Máxima Center for Pediatric Oncology
- National Institute for Public Health and the Environment
- Utrecht University Faculty of Sciences
- Utrecht University Faculty of Veterinary Medicine
- Utrecht University Faculty of Geosciences
- Utrecht University Faculty of Social and Behavioural Sciences
- University Medical Center Utrecht
- HU University of Applied Sciences Advanced Research Center Chemical Building Blocks Consortium
- Wilhelmina Children's Hospital

## Shared R&D facilities

Utrecht Science Park offers a unique research infrastructure, which is among the best of its kind in Europe. From a single professional and customer-oriented front office, we offer these research facilities and services to companies that are looking for science-based solutions.

### We offer:

- Molecular Research Facilities & Services
- Cellular Research Facilities & Services
- Pre-clinical Research Facilities & Services
- Clinical Research Facilities & Services
- Technical Research Facilities & Services
- Prototyping Facilities & Services
- Production Facilities & Services

**iLab Utrecht** offers access to research infrastructure, students and scientists in the context of a co-creation environment.



**New Energy in the City** develops tools for the transition to a sustainable and energy-neutral society.

Opening **Princess Máxima Center for Pediatric Oncology** with Queen Máxima.

Every year the **Utrecht Marathon** powered by Utrecht Science Park takes place with start and finish at the Utrecht Science Park.



© Frank van Beek

## R&D Focus

### Life sciences

- One Health (human health, veterinary health, healthy environment)
- Personalised Medicine & Healthcare (image-guided interventions, precision health & medicine, specialised nutrition)
- Molecular Life Sciences
- Regenerative Medicine & Stem Cells (organoids, biofabrication)

- Healthcare Innovation (e-health, medical technology)
- Healthy Urban Living

### Sustainability

- Future Food
- Water, Climate & Future Deltas
- Deep Decarbonisation
- Circular Economy & Society
- Infrastructures for Sustainable Cities



The **Life Sciences Incubator** connects innovative biotech start-ups.

© Reginar Photography

© Utrecht Marathon powered by Utrecht Science Park



## Start-up facilities and programmes

Utrecht Science Park provides a wide range of innovation & business services for start-ups, scale-ups and corporate ventures.

**UtrechtInc** offers the right support to increase success and impact at various stages of your start-up. It provides access to facilities, seed capital, training and feedback from a community of peers, experts and new talent. **Garage** (UtrechtInc experimentation lab) is an open experimentation lab and co-working space where start-ups, researchers, entrepreneurs and students can turn their ideas and innovations into sustainable businesses.

**The Life Sciences Incubator (LSI)** is home to various innovative life sciences start-ups and SMEs. The LSI comprises 4,000 m<sup>2</sup> of office space, laboratories and general facilities, including a reception desk and conferencing facilities.

**StudentsInc** (Next Generation Entrepreneurs) is the place where the students of HU University of Applied Sciences Utrecht can embark on a business venture, receiving the facilities and support required to develop a company of their own.

## Education & talents

Utrecht Science Park hosts more than 50,000 Bachelor's, Master's and PhD students, providing an extensive range of English-language programmes, including 81 Master's programmes, over 200 courses for exchange students, and the largest summer school in Europe. The **Graduate School of Life Sciences** manages all education programmes in the Life Sciences and has gained a strong international reputation in

## Sustainability

### Our policy

Sustainability, in the broadest sense, is high on the strategic agenda of the Utrecht Science Park partners. Together, we strive for balance between People, Planet, and Profit. On a practical level, we constantly ask ourselves what impact our work has on the environment and our communities, and how we can leave a sustainable legacy for the future.

### Our main objectives

- improving sustainability and lowering the CO<sub>2</sub> footprint.
- developing geothermal energy use (together with ASR).

### Remarkable sustainability objects/achievements

- There is a heat exchange storage system in place.
- LED lighting is used in car parks.
- The LSI is the first laboratory building in the Netherlands to obtain an 'Outstanding' BREEAM rating.
- Utrecht university and UMC Utrecht will install 6,500 solar panels at Utrecht Science Park. Annually, these panels will generate around 1.5 million kWh of electricity.
- Utrecht Science Park is the world's first campus with large bidirectional charging network.

biomedical and life sciences education and research. The **Utrecht Center for Entrepreneurship** offers entrepreneurial programmes for students and staff and the Career Services programme facilitates traineeships for Bachelor's, Master's and PhD students. Several programmes offer education on entrepreneurship, innovation sciences, innovation management and business management.

### Community services & facilities

Some facilities are scattered across the park, but most are concentrated in the park centre. USP has restaurants, food courts, lunchrooms, pubs, coffee bars, kiosks, food trucks, supermarkets and shops. Various informal and formal community activities and events are organised. Several conference facilities are available. Other facilities include a general practitioner, physiotherapy, childcare, a hairdresser, bicycle repair, ATMs, a printing office and an employment office.

### Leisure

- Indoor & outdoor sports are concentrated at the sports centre (Olympos).
- The major annual sports event is the Utrecht Marathon powered by Utrecht Science Park, with over 6,000 participants.
- Every year, Utrecht University and other science park organisations will open their doors during the Weekend van de Wetenschap (weekend of science). Visitors can meet researchers and discover how diverse and how fun science actually is.
- USP Cafés is a networking event, organised by Utrecht Science Park several times a year, for all organisations at or related to USP.
- Other events include pop-up restaurant 'De Maaltuin' organised in the Botanic Gardens and several sports events like the cycling tour Classico Giro and the USP Games.

### Parking

6,000 spaces, paid

### Park management

#### Site-related services

Public space, sweeping pavements, winter maintenance, maintenance of green areas, security.

#### Building-related services

Various services including cleaning, reception services (building specific), chemical and regular waste management, free Wi-Fi.

### Governance

USP welcomes and facilitates organisations and companies that seek to collaborate with its research institutes to facilitate their own research activities. It also offers pre-starter facilities, shared facilities for start-ups, scale-up and mature companies, as well as independent premises.

### Park ownership

Utrecht University, UMCU, Municipality of Utrecht

### Decision makers & decision-making process

- University of Utrecht: contracts.
- Utrecht Science Park Foundation: initial point contact for interested companies.

### Management

Utrecht Science Park Foundation: account management, business development, front-office R&D facilities.

### Commitment

Province of Utrecht, municipality of Utrecht, Utrecht University, University Medical Center Utrecht, HU University of Applied Sciences Utrecht, Economic Board Utrecht

### Buildings

<b>Utrecht University</b>	30	<b>450,000 m<sup>2</sup></b>
<b>UMC Utrecht</b>	5	<b>400,000 m<sup>2</sup></b>
<b>HU University of Applied Sciences</b>	6	<b>100,000 m<sup>2</sup></b>
<b>Company buildings</b>	8	
<b>Housing (students)</b>	2,600 units	

### Contact

Utrecht Science Park Foundation
Jan Henk van der Velden (Managing Director)
Heidelberglaan 11
3584 CS Utrecht
T: +31 30 800 4499
E: <a href="mailto:info@utrechtsciencepark.nl">info@utrechtsciencepark.nl</a>
W: <a href="http://www.utrechtsciencepark.nl">www.utrechtsciencepark.nl</a>

# Wageningen Campus

Gateway to smart food in a green world



Business & Science Park Wageningen



Area:

1,050,000 m<sup>2</sup>

Building capacity:

710,000 m<sup>2</sup>

Development space:

100,000 m<sup>2</sup>

## Infrastructure



10 minutes

**Train station**  
Ede-Wageningen  
5.5 km - 10 min by bus  
Arnhem (ICE train)  
30 min by public transport



60 - 150 minutes

**Airport**  
Amsterdam Airport Schiphol  
90 km - 1 hr by car, 1 hr 20 min  
by bus/train  
Eindhoven Airport  
83 km - 1 hr by car  
Düsseldorf - Weeze  
81 km - 1 hr by car  
Düsseldorf Int. Airport  
141 km - 1 hr 30 min by car



5 minutes

**Motorway**  
A12  
3.2 km - 5 min by car



**Digital infrastructure**  
World-class, located in one of  
the best fiber optic networks in  
the world, SURFnet, with  
SURFnet POP. Prepared for 5G,  
with high capacity redundant  
electricity infrastructure up  
to 10MVA



7 - 10 minutes

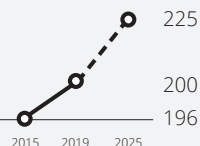
**City centre**  
Wageningen  
1,5 km - 5 min by bike



# 200 Companies



- 70 Start-ups
- 118 Small & Medium-sized Enterprises (excl. start-ups)
- 12 Corporate players



**Unique Companies**  
FrieslandCampina,  
KeyGene, Unilever,  
Noldus, Yili, Kikkoman,  
Eurofins, Microcos,  
Genetwister, Ceradis,  
Top, Solynta, DSM

# 7,900 Jobs



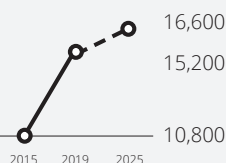
- 3,000 Wageningen University
- 2,100 Wageningen Research
- 2,800 Companies & Institutes



# 15,200 Students



- 12,500 BSc + MSc students Wageningen University
- 2,000 PhD students Wageningen University
- 700 Students Aeres University of Applied Sciences



of whom **4,000** international students  
> 100 nationalities

## Building capacity

**710,000 m<sup>2</sup>** Total building capacity (GFA) Gross Floor Area  
**610,000 m<sup>2</sup>** In use  
**100,000 m<sup>2</sup>** Development space

**Land lease:** Available

**Land ownership:** Wageningen University & Research, various private partners

**Zoning plan:** Bestemmingsplan Wageningen (2010)

## Developments

€1,0 billion

### 2010 - 2019

- Wageningen University & Research buildings and facilities (such as Forum, Atlas, Helix, Orion, Phenomea, Impulse, NPEC phenotyping facility and greenhouses)
- Research & education buildings: (NIOO-KNAW, Aeres University of Applied Sciences)
- Corporate buildings (a.o. FrieslandCampina, Unilever Global Foods Innovation Centre (Hive), KeyGene, Noldus Information Technology)
- Multi-tenant buildings with incubator function (a.o. Plus Ultra I & II, BioPartner Center, Agro BTC)
- Campus Plaza (student housing, child care, shops)
- Parking garage
- High quality public transport

€400 million

### 2020 - 2025

- Wageningen University third education building, Dialogue Centre
- Corporate buildings: R&D Centers, multi-tenant buildings
- Pilot facilities, student housing

## Profile

Wageningen Campus is designed to be a vibrant meeting place for scientists and researchers from 12 research institutes, Wageningen University, start-ups, SMEs, R&D centers of national and international companies, and more than 15,000 students. All working in the fields of nutrition, agro- and food production, life sciences, biobased products, and a healthy living environment.

### Long-term vision

The following strategic goals have been defined in order to take the next step in campus development and to remain the world-leading campus in our domain:

- maintain the number one position in Europe and a top-three position worldwide in the food and agro domains;
- provide an optimal and inspiring infrastructure for excellent science and research;
- create a balanced mix of research institutes, NGOs, start-ups, SMEs, and national and international corporations;
- attract leading industry players in the food, agro, biobased and environmental sectors, encouraging them to conduct their R&D activities and to collaborate at Wageningen Campus.
- To stimulate and facilitate the dialogue and collaboration among the stakeholders regarding the global challenges in our domain.

# Open Innovation Strategy

On Wageningen Campus, we know that sharing knowledge is as important as developing knowledge, convinced as we are that this is the key to truly innovative solutions to the global challenges of our time. This is why Wageningen Campus is designed to be a meeting place for researchers, students, entrepreneurs, SMEs, and research centers of corporates in the fields of nutrition, health, food production and the living environment. On Wageningen Campus, the academic world, the business sector and the government collaborate to address today's major social issues: the world food need, the growing pressure on blue and green spaces, the demand for sustainable production, the desperate need for alternatives to fossil fuels and the impact of climate change. These issues are interrelated and must be addressed in conjunction with each other. As a result, these issues are ideally suited to be studied on Wageningen Campus.

# World-class Research Institutes

- Wageningen University
- Wageningen Research
  - Wageningen Bioveterinary Research
  - Wageningen Livestock Research
  - Wageningen Marine Research
  - Wageningen Centre for Development Innovation
  - Wageningen Economic Research
  - Wageningen Environmental Research
  - Wageningen Food & Biobased Research
  - Wageningen Food Safety Research
  - Wageningen Plant Research
- NIOO-KNAW
- MARIN
- OnePlanet Research Center

# Shared R&D facilities

**Shared Research Facilities** allow researchers to use advanced research equipment from WUR and other R&D organisations on Wageningen Campus. All researchers, whether from universities, research institutes or companies, can use the available equipment. Facilities range from advanced research facilities at laboratory scale to state-of-the-art facilities for pilot-scale biorefinery, food conversion, climate rooms, greenhouses, aquatic research facilities and experimental fields for crop research at, for example, Unifarm, Phenomea, AlgaePARC, and the Wageningen Data Competence Center.

Wageningen Unifarm, with advanced NPEC phenotyping- and greenhouse facilities and experimental fields for crop research.

Wageningen University with 12,000 students from over 100 nationalities. Worldwide, the number 1 university in agro & food (National Taiwan Ranking 2019).



© Rob Goossens

## R&D Focus

### Healthy and Sustainable Food

Food, feed & biobased production (incl. food processing, food safety, circular economy, green materials), Nutrition (incl. healthy life style, life sciences, society & well-being).

### Healthy Living Environment

Natural resources & healthy living environment (incl. Green Climate Solutions & Green Cities).



### Shared Research Facilities

All researchers, whether from universities, research institutes or companies, can use the available equipment.



Aquatic research





Wageningen Campus offers companies and organisations that are active in the field of agro, food, biobased economy and a healthy living environment an array of options to settle on campus.

## Start-up facilities and programmes

Wageningen Campus has a flourishing entrepreneur community where new ideas and initiatives in the field of food & agrotechnology originate. The campus facilitates entrepreneurs with flexible housing opportunities, support, coaching, and pre-seed capital. Forms of support vary from educational activities for university students in the StartHub, a complete range of network contacts and experts for Ag-Tech entrepreneurs or seed capital via Startlife, to location options in an incubator at, for instance, Plus Ultra or in one of the private incubators, such as BOX (Blue Ocean XLerator).

## Sustainability

### Our policy

Mission: 'To explore the potential of nature to improve the quality of life' and remain a leader in terms of sustainable operational management. Policies are aimed at creating a circular economy and climate neutrality. Our campus features numerous examples of sustainable construction, energy efficiency and innovations in a green environment.

### Our main objectives

- Construct and furnish buildings as sustainably and circular as possible;
- Use green electricity and refrain from using natural gas;
- Generate renewable energy: augment the heat exchange system and increase use of solar energy on campus.

### Remarkable sustainability achievements

- The NIOO-KNAW building is based on the cradle to cradle philosophy and has won many awards. It includes an award-winning green roof 2.0, plants providing power, and water treatment technology;
- Plus Ultra building I: ARC16 Detail Award in 2016;
- Unilever Global Foods Innovation Centre: BREEAM Global Design Award and the Global Public Award in 2019;
- Wageningen University & Research ranks first in the worldwide GreenMetric ranking for sustainable university campuses in 2017 and 2018.

### Community services & facilities

Wageningen Campus has several facility buildings incorporated in Campus Plaza (1,000 m²) including restaurant and catering facilities, a bookshop, coffee bar and bakery, as well as four restaurants and some kiosks in Wageningen University & Research buildings that are accessible to the public. The restaurant of Aeres University of Applied Sciences is open for everyone too.

Wageningen Campus organises a number of programmes for local residents (cultural programmes with lunch concerts, theatre, dance, sports activities, business & science cafés, Wageningen Campus Connect café as well as the Wageningen Dialogues) and facilitates events such as F&A Next. For meetings, Wageningen Campus can provide formal and informal meeting and/or debating locations, such as the Amphitheatre, Impulse and – in the near future – the Dialogue Centre.

### Leisure

Indoor & outdoor sports facilities, ca. 10,000 m²  
Weekly cultural programme, exhibitions, pop-up activities

### Parking

Main parking route, 3 green parking garages

### Park management

#### Site- and building-related services

Campus catering, high quality green maintenance, waste management

### Governance

#### Campus ownership

Wageningen University & Research / multiple private owners

#### Decision makers/decision-making process & management

University site: Wageningen University & Research (both initial point of contact for interested companies, contracts and management)  
Business & Science Park Wageningen: multiple private owners, BSPW organisation

### Commitment & support

Wageningen University & Research, Municipality of Wageningen, Province of Gelderland, Oost NL, NIOO-KNAW, Aeres University of Applied Sciences, Business & Science Park Wageningen, Kadans Science Partner, Foodvalley 2030

### Buildings

<b>Education and Research</b>	<b>ca. 320,000 m²</b>
<b>Company buildings</b>	<b>ca. 210,000 m²</b>
<b>Housing (students)</b>	<b>ca. 80,000 m²</b>
• On campus (incl. BSPW)	2,100 units
• Off campus (excl. private market )	6,000 units

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attracting  
talent  
boosting  
the economy  
solving global  
challenges



# Invest in Holland Network

Whether foreign companies are considering locating in the Netherlands, or have existing operations here, the Invest in Holland network is ready to assist them at every stage of establishing or expanding operations here.

As an operational unit of the Dutch Ministry of Economic Affairs and Climate Policy, the Netherlands Foreign Investment Agency (NFIA) is the national development partner in the network. The NFIA, in close collaboration with the Invest in Holland network, connects foreign companies with an extensive array of business partners, regional economic development organizations and government institutions to facilitate international expansion.

Invest in Holland network partners include: NFIA, amsterdam in business, BOM Foreign Investments, Oost NL, Holland International Distribution Council, Horizon Invest in Flevoland, Innovation Quarter, Invest in Zeeland, Limburg Development and Investment Company LIOF, NOM Foreign Direct Investment, Rotterdam Partners, Development Agency Noord-Holland Noord, The Hague Business Agency and Utrecht Region.

Foreign investors are particularly valuable to us, as they create jobs, link us to international networks, contribute to R&D clusters, and add significant value to the Dutch economy. In turn, we can offer a strong economy, a thriving innovation environment, excellent employment opportunities, inspiring cities and a high quality of life.

The WEF, in its 2019 Global Competitiveness Index, ranks the Netherlands No.1 in the world for macroeconomic stability, the most competitive economy in Europe, and the 4th most competitive economy in the world. The 2019 Global Innovation Index as co-authored by WIPO, Cornell and INSEAD, ranks us No.4 in the world.

These rankings emphatically underline the Netherlands' credentials as a world-class location for business and R&D and a nurturing environment for companies to settle, successfully innovate, and grow.

For more information or to contact us, please visit [www.investinholland.com](http://www.investinholland.com)



## Colophon

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