

An architectural rendering of a modern urban park area. In the foreground, a wide, paved pedestrian path with a geometric tile pattern leads towards the background. People are walking along the path. To the left, there are large, leafy trees and a red-tinted area. In the background, there are modern, multi-story buildings with large glass windows and balconies. Some buildings have 'COFFEE' signs. To the right, there is a building with a 'DEMCO' sign. The sky is overcast.

Transformation update Kennispark Twente

December 2022

Preface

Kennispark Twente is in the midst of a major renovation. We are transforming from a somewhat outdated business park - admittedly with a top 3 position in the national ecosystem of innovation campuses - into a modern, sustainable science park with a strong focus on technological themes: MedTech, Chip Tech, Advanced Manufacturing, Secure Systems and Materials. Our economic profile will be further sharpened in the coming years, we strengthen mutual cooperation and the physical layout will be given a thorough overhaul.

4 goals

To manage this transformation, we set up a development strategy in the spring of 2020 based on the 2018 vision. This strategy describes 4 goals for the transformation of Kennispark. It also states how we will give substance to these four goals in the coming years. The goals (2 spatial and 2 programmatic) are:

- Adding an innovation district to the Hengelosestraat
- Transformation of existing Business & Science Park
- Strengthen the profile of Kennispark
- Strengthen the collaboration at Kennispark

KENNISPARK WHERE SCIENCE BECOMES BUSINESS



These goals are realized coherently through **7 interventions**.

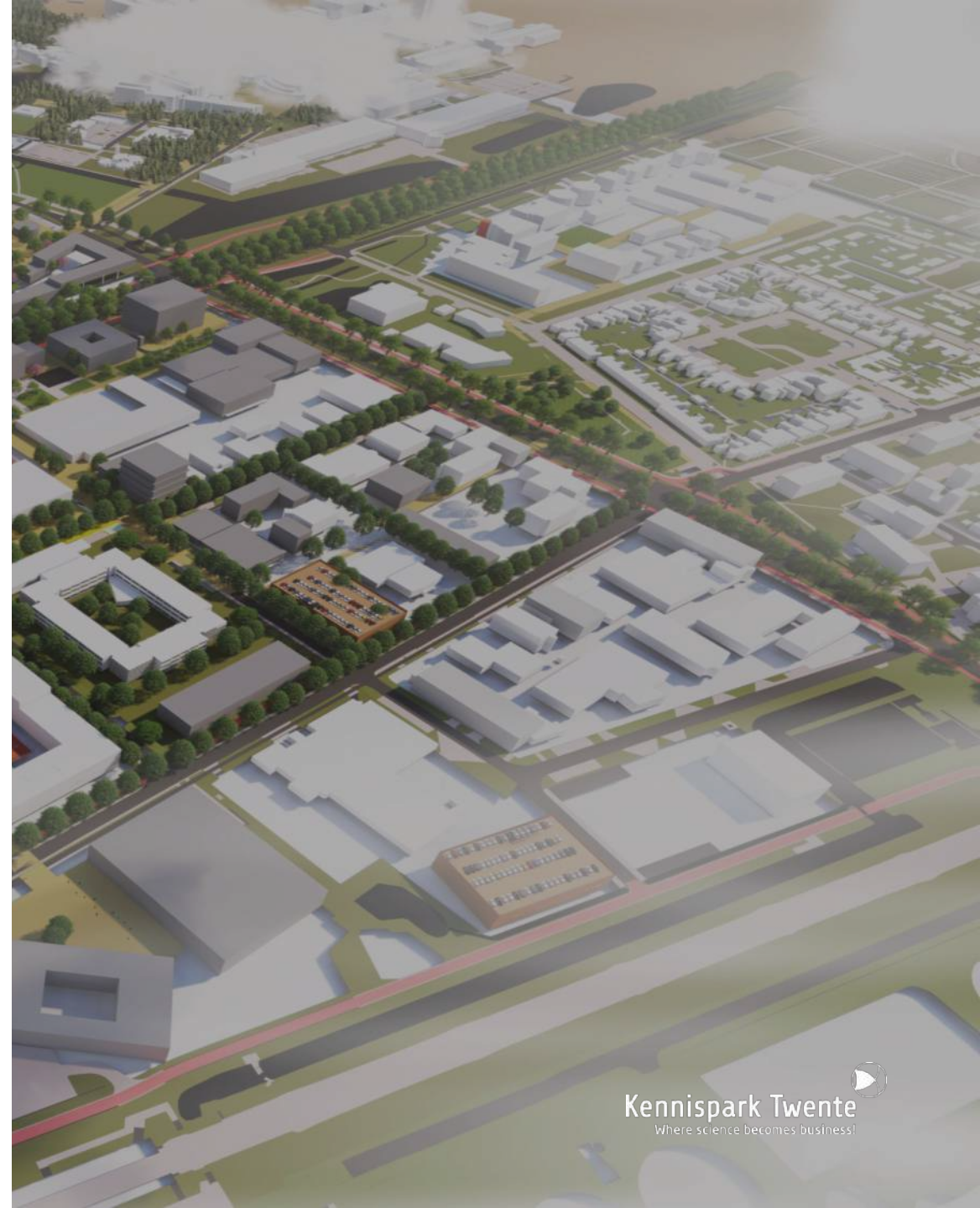
- ▶ Mixing functions.
- ▶ Making real estate and public space more sustainable.
- ▶ Providing mobility and parking solutions.
- ▶ Creating meeting places.
- ▶ Conducting quality direction.
- ▶ Strategic acquisition of new companies and functions.
- ▶ Strengthening cooperation between companies and community building.

In this update we provide insight into our activities and results of the past periode (april-december 2022). In doing so, we hope to give a good insight of the efforts being made by a wide range of organizations and companies to create a strong innovation campus.

Does this update give you food for thought or does it raise questions? We are happy to talk with you. We need each other to make Kennispark Twente a science park where talent will enjoy working and be challenged to keep innovating!

Marieke Stokkelaar
Director of Kennispark Twente a.i.

December 2022



This is Kennispark Twente

Innovation from the very beginning! That is what characterizes Kennispark Twente.

In the 1980s, Kennispark Twente wrote history with the construction of the BTC: the first American-style incubator building in the Netherlands. It marked the start of the growth of the first 'science park' in the Netherlands. Today, Kennispark is one of the top 3 biggest science parks in the Netherlands, more than 450 companies are located here and over 10,000 people work here. It is truly an engine for employment in the region!

This is Kennispark Twente

Profile of Kennispark Twente

Kennispark is characterized by the presence of relatively many companies and a lot of different breakthrough technologies. This diversity offers opportunities for knowledge crossovers and collaboration. Because of our culture with short lines of communication and strong ties, we know how to find each other and come up with new solutions for the societal challenges we face. Among others, we are strong in:



MedTech



Organ-on-a-chip



Robotics



Advanced manufacturing



Chip Design



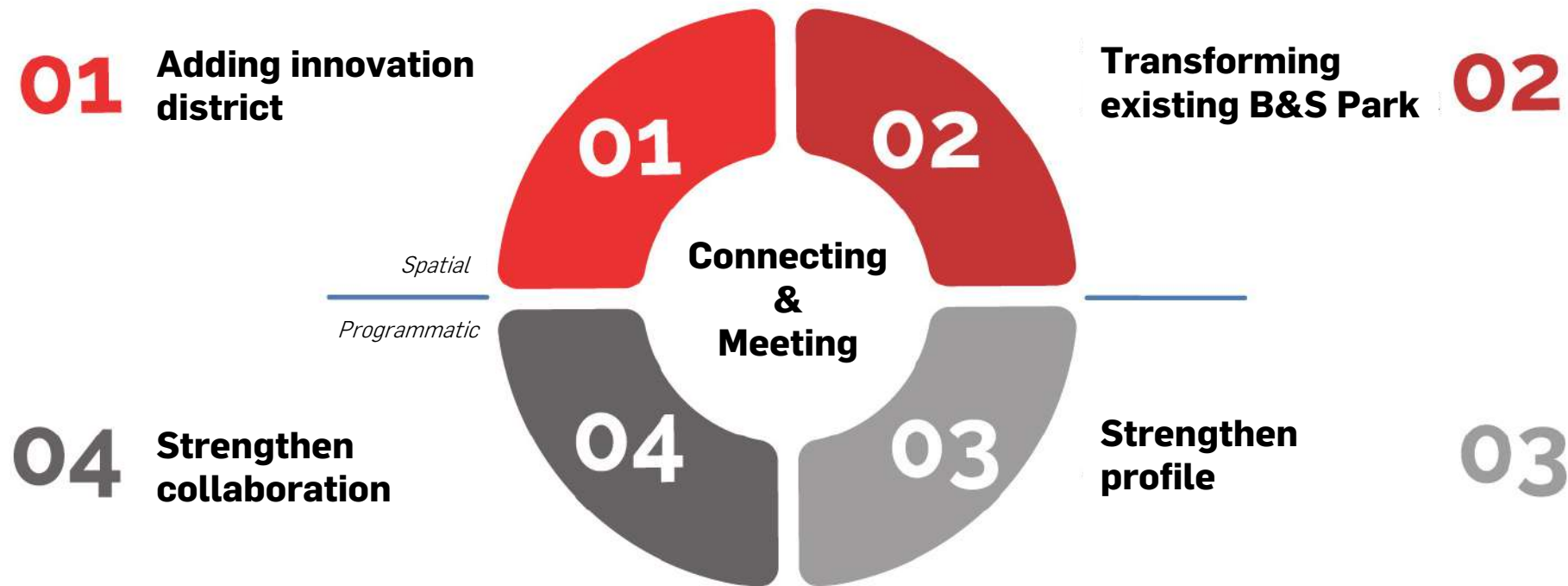
Materials



Smart IT &
Secure Systems

To further develop our sciencepark, we are taking a next step in the transformation of Kennispark. We are adding an Innovation District, which will literally and figuratively link the campus of the University of Twente with the current Business & Science Park. A district where living, working and meeting are the key elements. An area in which there is always a lot of activity. Where knowledge is shared and where the business community and researchers can find each other more easily. Together we work on the latest innovations.

Strategic approach of Kennispark: 4 goals



Investment Power & Spatial Frameworks

The past few years have been about making plans and establishing frameworks. A great deal of energy has gone into set up the necessary vision and spatial documents. The city council has also frequently discussed the necessary investments and desired approach in the area. Agreement on the vision and the roadmap are, however, essential to actually get the developments launched. A timeline.

2018
Area Vision

2020
Urban development plan and mobility plan

2023
Zoning Plan expected to be approved

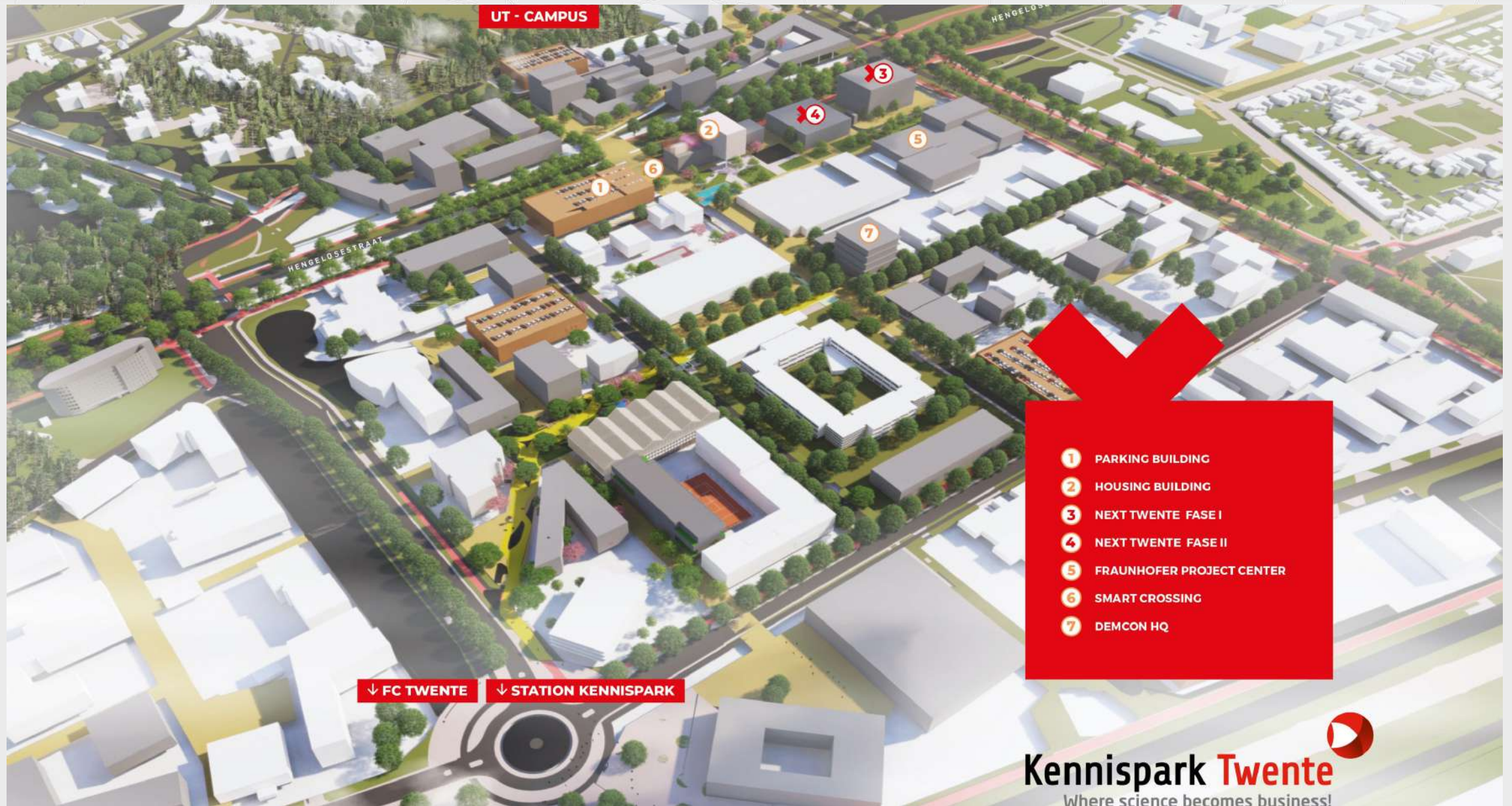
2019
Spatial Development Vision (Structuurvisie)

2022
Investment Plan and Zoning Plan

Download all
documents here



01. Adding an innovation district to the Hengelosestraat: overview fase 1



01. Adding an innovation district to the Hengelosestraat

HIGHLIGHT: NEXT TWENTE

ASR Dutch Science Park Fund has recently conducted research into the real estate needs in the area. This information resulted in ASR having sufficient confidence in realising NEXT Twente. The study revealed a high need for office space, production space and storage and, on a slightly lesser scale, technical workspaces, general lab, clean rooms and microbiological labs. There is a need for different types of spaces and more square metres. Scaling up is thus desired across the entire spectrum.

Meanwhile, ASR DSPF has selected architect bureau Proof of the Sum for the design of NEXT Twente.



01. Adding an innovation district to the Hengelosestraat

WHAT WE ALSO WORKED ON IN 2022:

- Enschede City Council invests 10 million in further development phase 1, intended for creating new and improving existing public space, realising new solutions for mobility in the area and preparing plots of land for building.
- Fraunhofer Innovation Platform for Advanced Manufacturing is building its new location at Kennispark. Completion is expected in 2023.
- The design for the Smart Crossing over the Hengelosestraat is ready and preparations for construction have started. Completion is expected in May 2023.
- Demcon Headquarters is under construction and will be completed soon (spring 2023).



02. Transformation of existing Business & Science Park



01. 02. Transformation of existing Business & Science Park

CELEBRATING MILESTONES

The mentioned investments in the innovation district are part of an overall plan for investments in the entire area. This overall plan includes 100 million worth of investments. On 21 April, we invited all parties involved in investing in Kennispark and highlighted them with their project. The special moment!

Meet the people behind the '100 million plan' on the next page.



100 million plan: investments in Kennispark



Read the full story!



Sustainability of real estate

In addition to investing in greening public spaces, we encourage real estate owners to make their buildings more sustainable. We have RegioDeal funds available for this purpose. Entrepreneurs can request a free BREEAM scan to gain insight into their sustainability options. Main goal is to make the buildings at Kennispark as sustainable as possible.

Current status

90 Buildings at Kennispark, of which:	23 No energy label (yet!)
55 Energy label C or better	04 Buildings certified according to BREEAM
09 Energy label D or worse	31 Sustainability scans completed or in preparation

WERK MEE AAN HET VERDUURZAMEN
VAN ONZE INNOVATIECAMPUS

**GRATIS
DUURZAAMHEIDSSCAN
VOOR UW VASTGOED!**

VRAAG NU AAN!

WERK MEE AAN HET VERDUURZAMEN
VAN ONZE INNOVATIECAMPUS

**ZELF STROOM
OPWEKKEN OP
KENNISPARK**

LAAT JE DAK CHECKEN



Read more about the
mobility hubs

02. Transformation of existing Business & Science Park

WHAT WE ALSO WORKED ON IN 2022:

- The municipality of Enschede wants to stimulate the use of shared transport. Therefore, with the help of € 40,000 from the Regio Deal, 25 mobility hubs have been realized at Kennispark in Enschede as a pilot project.
- A joint design for the layout of the public space Institutenweg is being prepared together with the surrounding property owners.
- A lot of effort has been put into a design for the area development on the corner Capitoool - Institutenweg. HMO, municipality of Enschede and UT are working together on a Techarea for high-tech companies and facilities, located in a campus-style environment and with a circular parking building.
- The final steps are being taken to obtain the 3-star BREEAM certificate. The certification is expected in spring 2023. It provides insight into the area's current sustainability status and opportunities for improvement.



03. Strengthen the profile of Kennispark



Presenting the MedTech Cluster plan: MedTech Twente 2030

MEDTECH TWENTE 2030

During the MedTech Twente Week, the MedTech Twente 2030 Cluster Plan was presented. Over the next four years, a wide range of parties will work on three action lines:

1. Strengthening the MedTech community in Twente
2. Collaborating with other MedTech clusters in Europe
3. National and international branding of MedTech Twente

This cluster approach has been made possible by a contribution from the province of Overijssel, municipality of Enschede and Twente Board. A Business Community Manager has been added to the Kennispark Twente team and will be committed to action line 1.

[Read the press release](#)



Read more about the
MedTech Twente cluster



MEDTECH TWENTE WEEK

This year, we joined forces to expand the successful TechMed event into a first MedTech Twente Week. Besides a day especially for clinicians and researchers at the annual TechMed Event, we teamed up with WTC Twente, Oost NL, Novel-T, TechMed Center and Kennispark to further professionalise the MedTech Business day with a programme around investing and internationalisation. We also repeated the Exchange Dinner for startups and corporates (with success!) and added the Talent Day to the programme. With the Robotics Summit and the MicroNano Conference in the same week, it was a nice highlight for all partners in MedTech Twente.



[Read the press release](#)



IAMFLUIDICS RAISES MULTI-MILLION EURO INVESTMENT

MedTech startup IamFluidics announces the closing of a €4 million financing round in september this year. The money will be used to establish a new head office, build a production facility, expand the team, and expedite the market introduction of its first products. Once invented for the encapsulation of stem cells at jet speed, the IamFluidics technology is a unique and proprietary microencapsulation technology that is up to 1,000x faster than its alternatives, while maintaining consistent control over shape and size. The uniform particles can be formed by different materials that are natural, vegan, biodegradable and plastic-free and can be loaded with active ingredients to address several large end-markets.

Presenting ambition plan ChipTech Twente

[Read the press release](#)



CHIPTECH TWENTE

Bram Nauta, Professor of Integrated Circuit Design at the University of Twente, and Timo Meinders, Director of the MESA+ Institute, presented to MEP Bart Groothuis Twente's ambition plan to strengthen Chip Tech in Twente. ChipTech Twente will work on three action lines:

1. Continued investment in electronic chip design
2. Research programme for integration heterogeneous systems
3. Future vision on realisation of heterogeneous fab

The past few months ChipTech Twente has worked on an application for the Twente Board to set up a professional team to work on a strategy and roadmap for realising these ambitions. We did this in close cooperation with Holland Semiconductors, MESA+, Oost NL and various SMEs. Twente Board approved the application on 15th December 2022!



Community building, events and branding ChipTech Twente

Read more about the
ChipTech Twente cluster



Since the presentation of the ambition plan, we have worked hard to put ChipTech Twente on the map. For instance, we presented ourselves and several Twente companies at Semicon Europe in Munich at the HighTech NL stand, we received State Minister of Saxony Thomas Schmidt, we organised a number of lunches for ChipTech companies that want to put their efforts into the ambition plan and we were well represented (also programmatically) during the introduction of the national Chip Design community in Eindhoven. A great start, and... more to come!

[Read the press release](#)



QuiX Quantum will deliver 8- and 64-qubit fully Universal Quantum Computers based on photonics, integrating the existing technologies from their processors with sources, detectors, and feedforward to create a modular Photonic Quantum Computer. This represents the first commercial sale of Universal Quantum Computers based on light.

QuiX Quantum closed the 14 million contract deal with the German Aerospace Center DLR.

QUIX QUANTUM WINS 14 MILLION CONTRACT

03. Strengthen the profile of Kennispark

WHAT WE ALSO WORKED ON IN 2022:

- Together with Novel-T, the top workplaces High Tech Systems Park, Connect-U, Businesspark XL and Technology Base, UT, Saxion, Oost NL and other parties, we are developing a strategy to improve the profile of promising clusters in High Tech Twente. Together, we are working on a stronger profile for High Tech Twente. We are doing this in the RegioDeal project Profiling Top Work Locations, among others. The Campus Cafés are part of this.
- We have entered into a partnership with Innovation Origins to make the success stories from Twente nationally and internationally visible. We had 16 stories written and published on their independent innovation platform.
- We organised 5 Campus Cafés around the themes of Chip Design, MedTech, Battery Technology, Talent (matchmaking event) and Energy. The meetings were well attended and reviewed. Recently, we requested attribution of ratings by visitors. The last meeting on sustainability in aviation was rated an average of 8!



Read the full story



THIS IS HOW TWENTE WORKS ON AVIATION OF TOMORROW

Ever since Belgian pioneering aviator Jan Olieslagers made a half-hour demonstration flight in Twente with a propeller plane in 1910, aviation has never looked back. In fact, educational institutions, Twente Airport and industry are working in the region to design the aviation of tomorrow. The aviation industry still has a huge lag to overcome in terms of sustainability. In 2020, the Dutch aviation sector emitted 7.6 billion kilograms of CO₂. The more kilos that are released into the air, the higher the amount of CO₂ emissions. In other words: the lighter the aircraft, the lower the emissions. The Kennispark-based ThermoPlastic Composites Research Center (TPRC) conducts research into the use of thermoplastic composites for the construction of aircraft.



Read the full story about
PHIX



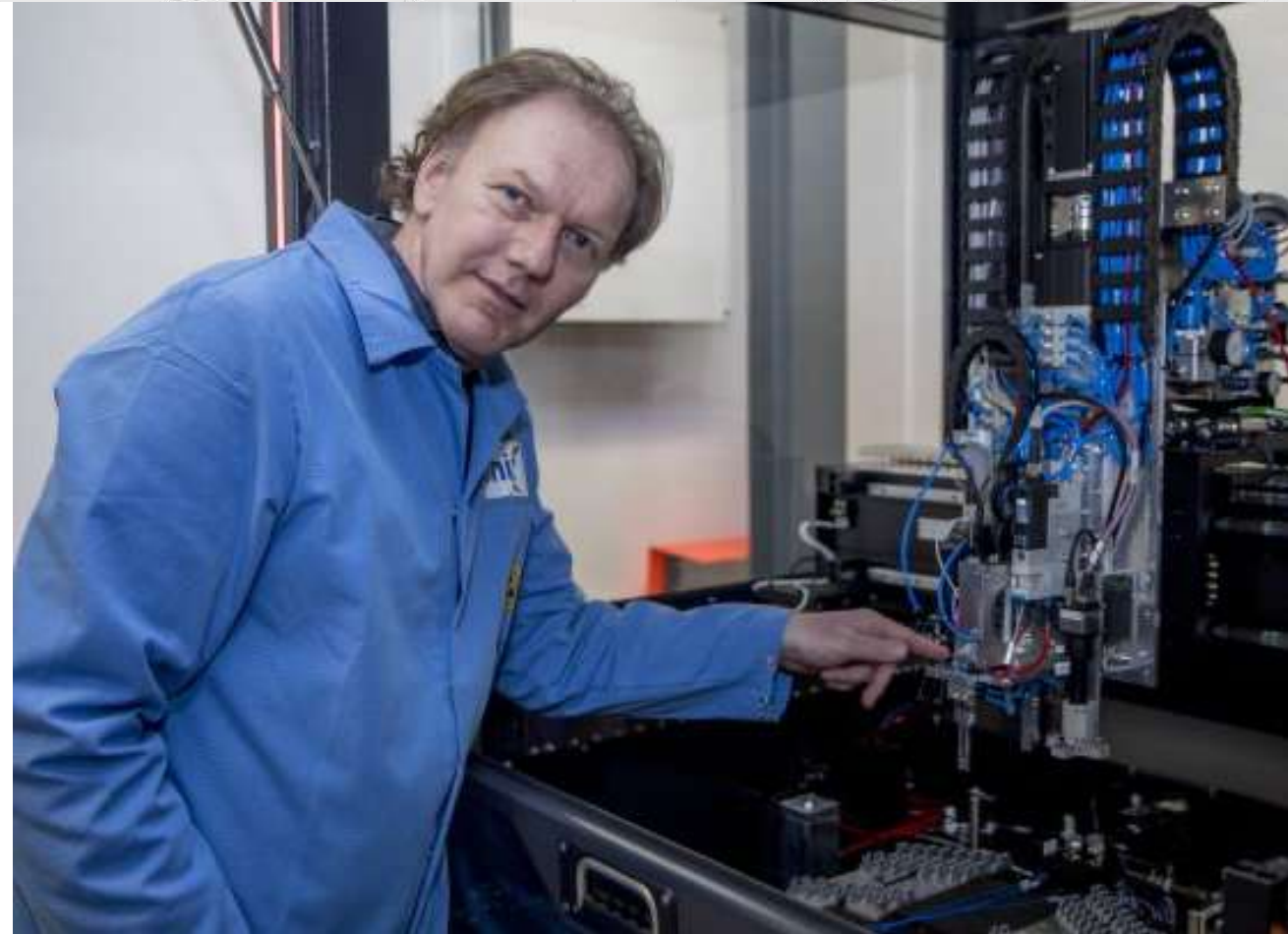
03. Strengthen the profile of Kennispark

STRATEGIC ACQUISITION IN 2022:

The following companies have settled (again) at Kennispark:

- PHIX Photonic assembly: PHIX is moving into a new building at Kennispark to enable further industrialization and scale-up of photonic chips.
- E Green Global: EGG from Seoul is opening a new lab for the production of micro tubers, an innovative way of seed potato production.
- 5ahead: The German family-owned company ELA Container has opened an innovation branch under the name 5ahead, focussing on (digital) innovations for spaces and buildings composed of units.
- Beckhoff Automation: The company is a direct support point for technical support, training and implementation of automation systems in the manufacturing industry.

And more to come!



04. Strengthen the collaboration at Kennispark



Growth VONK, association for real estate owners and entrepreneurs



Since VONK was founded just before the summer of 2021, the Association of Real Estate Owners and Entrepreneurs Kennispark has been experiencing steady growth. The target for 2022 that 20% of the entrepreneurs and real estate owners will be members of VONK, has been achieved. VONK is more than able to meet the target amount for 2022 as a contribution to the area organization (€ 37,500) and the target amount for 2023 (50% of € 150,000).

With the arrival and growth of VONK, entrepreneurs are much more closely involved in developments at Kennispark and provide valuable input from the perspective of Kennispark residents. VONK participates in our Supervisory Board, directors meeting and area team Space. Tasks with major influence.

There are now a total of 34 members, of whom 7 were property owners and 27 entrepreneurs. VONK has three committees active in the areas of Mobility, Sustainability and Park Management. It is being investigated whether there is sufficient enthusiasm for a Talent committee.

The joint projects of VONK, among others:

- Bicycle campaign: Lekker Onderweg
- Free advice and guidance on purchasing solar panels
- Lease a bike
- Kennispark geeft Energie integrated with the committee Sustainability
- Project Fietsmaatjes, together with province of Overijssel
- MSG sustainable logistics hub
- Research project solar parking at FC Twente
- Design public space Institutenweg
- Advice about walking paths accross Kennispark

Go to the
website



Read the full story



04. Strengthen the collaboration at Kennispark

KEEPING TALENT IN TWENTE THROUGH ESPORTS

Ass. professor Guido Bruinsma, Kennispark Twente and Twente Board introduced in November 2022 the eSports Ladder: an online gaming and community platform where gamers – both students and employees – can connect with each other through gaming. It is a new way for the region to attract and retain talent.

The introduction of the eSports Ladder took place during the WirWar festival, an offline event in the Grolsch Veste stadium of FC Twente, where 600 gamers of different games compete with each other under the watchful eye of colleagues, students and others who are interested.

Initially, the software will be made available to UT students and companies located on Kennispark Twente. The next step is to devise an umbrella competition for all science parks and innovation districts in the Netherlands.



Check our latest events



04. Strengthen the collaboration at Kennispark

COMMUNITY EVENTS IN 2022:

- Healthy Life Event for all inhabitants of Kennispark – 23 March
- Kennispark op de schop, partner event – 21 April
- 5 Campus Café's for engineers, students and scientist – several dates
- ChipTech Twente lunches, for the chiptech community in Twente – monthly
- WirWar, sponsorship, for gaming community at Kennispark – 25 November
- Kennispark.run, organised by Kennispark Ondernemers – 22 June
- Kennispark Regatta, organised by DRV Euros – 8 July
- Novel-T Tenniscup, organised by Novel-T – 1 July
- Company visits, organised by Kennispark Ondernemers - monthly





Collaboration national and international

IASP & NCO

Kennispark Twente participates in the National Campuses Consultation (NCO), in which the ten top campuses in the Netherlands exchange knowledge and experiences. Themes such as cluster formation, physical aspects of innovation and joint lobbying are discussed at the NCO.

In addition, we joined the international association for science parks, IASP, this year. Our core team went to the annual conference in Seville to gain knowledge. This year, sustainability and digitalisation of science parks were central issues. A valuable experience!



Communication Tools and CRM system

Dashboard for analytics and community building with Exite ICT

All entrepreneurs, property owners, cooperation partners, schemes, conversation reports and perhaps in time also relevant figures and statistics will be stored in a robust and reliable data system before the summer of 2021. Together with knowledge partner Exite ICT, we will set up a relationship database with the possibility for future dashboarding, so that we can make connections more quickly. This system will also include relevant information such as key technologies, premises data, available shared facilities and needs. We are also looking at future wishes and possibilities, such as providing insight into developments at our park, the status of sustainability measures, establishment figures within a particular cluster and investments. We work closely with knowledge partners in the area or nearby, such as Stegehuis Infra for BREEAM and sustainability information, Novel-T and top work locations for community building, Exite ICT, Kennispunt Oost, Twente Board, Oost NL and the municipality of Enschede.

We deploy various communication channels to strengthen the online connection with the community. Below are the online channels. In addition, we send mailings where necessary (online and in person) to bring current developments to the attention of the public and we organize events on location.

Medium	Followers 2021	Followers 2022
Newsletter	1.130	1.330
LinkedIn	3.840	4.537
Twitter	487	492
Facebook	290	298
Instagram	718	811

Employment numbers

The magic mark of 10,000 jobs has been broken!

Job growth at Kennispark exceeded the magic limit of 10,000 jobs for the first time: 10.259 in total. Because Kennispark accounts for a quarter of the job growth in Enschede and can therefore rightly be called a job engine, the government and municipality must continue to invest to prevent this innovation engine from grinding to a halt.

On the page you'll find an overview of the fast growers and largest companies. These figures are from 2021, the most up-to-date overview that can be given. These figures are updated annually. We now know that some high-tech companies have grown faster than these figures show. We have decided to keep the official figures for this release.

Employment growth

2017	8.921
2018	8.785
2019	9.425
2020	9.841
2021	10.259

One of our 'worst enemies': the war on talent!

Largest employers at Kennispark and biggest growers 2021

(see note on previous page)

Highest growth in employees

1. Xelvin Oost
2. Nar
3. HoSt
4. YER Nederland
5. OV software
6. Ecare
7. KroeseWevers
8. Bond 3D
9. Eshuis accountants & adviseurs
10. Sqills
11. Kongsberg Actuation Systems
12. TDC Services
13. Solmates
14. Extendas
15. 3T
16. Commando Diensten Centrum HR
17. Lipocoat
18. PCE Brookhuis
19. NX Filtration
20. Boers & Lem

Largest companies

1. Commando Diensten Centrum HR
2. KroeseWevers
3. Apollo Tyres Global R&D
4. DEMCON advanced mechatronica
5. Sqills
6. Damsté advocaten - notarissen
7. Kienhuis Hoving
8. HoSt
9. Universal Electronics
10. Equinix
11. Switch (now Dustin)
12. Micronit
13. Ecare
14. Mecal Focal
15. Bizzdesign
16. Eshuis
17. Demcon Production
18. Medical Measurements Systems
19. Stratech Automatisering
20. 3T

Source: Kennispunt Oost 2022,
excl. University of Twente and
Twente Village

RANKINGS

Technology Fast50 Deloitte

#29 PHIX Photonic Assembly

The Photonics 100

Jelmer Renema, CTO Quix Quantum

AWARDS

Bond 3D

Innovation of the year – 3D printing
Industry Awards 2022

Innovation Sprint

Category winner of Disruptive Health–
Innovation radar 2022

We just picked some examples

The following Kennispark companies have indicated in discussions with the area organisation that they expect substantial growth:

Demcon
Xsens
Micronit
Mecal
HoSt
NX Filtration
3T
Solmates
Maser
ProLeit
LipoCoat

 **DEMCON**

 **MECAL**

3T

ProLeiT

xsens

HoST
BIO-ENERGY INSTALLATIONS

SOLMATES
THIN FILM EQUIPMENT

LipoCoat

micronit
microtechnologies

nx
filtration

MASER
ENGINEERING

RegioDeal Twente

To realise our plans, money is needed. Investments from the state, province, municipality and private parties are essential to carry out our ambitions. Over the past two years we have raised some nice grants and investments. A mayor fund is the RegioDeal Twente. These are our projects within this fund.



RegioDeal 6.3 million, awarded

- BREEAM Area & Building, sustainability scans: €500,000. The first tranche will be used for sustainability scans for companies to gain insight into their sustainability opportunities. Certification for BREEAM Area NL 3 stars is also being requested.
- Kennispark Gives Energy for sustainable energy, smart mobility and more biodiversity: €400,000 reserved.
- Green Deal Fund for the sustainable redevelopment of B&S park: € 1,510,040
- Smart connection between B&S park and UT campus: € 750,040.
- Central building for shared services, such as: common canteen, flexible workstations, meeting rooms and lab facilities: € 2,000,000.
- Housing student teams at Kennispark, including making building more sustainable and adapting public areas: € 600,000.
- Programming of top work locations at Kennispark, Technology Base, High Tech Systems Park, Connect-U, Business Park XL: € 330,000. Uniform approach formulated, test cases carried out, rollout to national acquisition to be started in cooperation with various Twente organizations. Campus Cafés in progress and heading towards perpetuation of organization. Interest from other science parks.

Who does what for Kennispark?

AREA ORGANISATION

- ▶ Strategic acquisition
- ▶ Community building
- ▶ Implementation of RegioDeal projects
- ▶ Cluster formation
- ▶ Direction and coordination area development
- ▶ Profiling and lobbying

MUNICIPALITY OF ENSCHEDE

- ▶ Spatial plans
- ▶ Parking strategy
- ▶ Licensing
- ▶ Preparation of furnishing plans for public space
- ▶ Realization of crossing
- ▶ BREEAM certification

UNIVERSITY OF TWENTE

- ▶ Cluster strengthening
- ▶ Encouraging cooperation
research – business
- ▶ Realization UT buildings

VONK

- ▶ Unite property owners, business owners and area organization
- ▶ Drafting parking strategy

NOVEL-T

- ▶ Community building
- ▶ Profiling
- ▶ Contributing knowledge for valorization and innovation SMEs

OOSTNL

- ▶ Acquisition
- ▶ Cluster strengthening

ASR DSPF

- ▶ Building design and construction
- ▶ Acquisition

PROVINCE

- ▶ Lobby
- ▶ Cluster strengthening

TWENTE BOARD

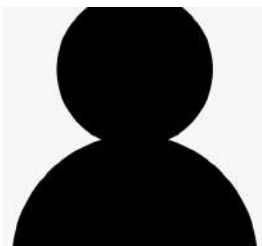
- ▶ Lobby
- ▶ Marketing, PR
- ▶ Funding
- ▶ Direction Twente-wide approach

*Note: further visualization
cohesion parties follows*

Connect us!

Always #nearby!

Want to know more? Questions? Tips or ideas? We'd love to talk to you. We'll stop by, you can email us, and a call will do as well. We are always #nearby to connect you with the community, with entrepreneurs, real estate owners, national and regional government partners, scientists, students, ecosystem builders and other relevant parties in and around our science park.



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Let's do this together!

