

Enschede

Creating a safe, healthy and smart tomorrow

Developing, testing and advancing smart technologies. The region has the right economic climate, infrastructure and ecosystem for doing so. Technological know-how, numerous facilities, immeasurable space and the possibility to simulate various situations. Businesses want the room to experiment, test and develop. They want to gain and share knowledge in order to innovate quickly and develop their business.

The city of Enschede aims to facilitate companies and entrepreneurs in this venture. To this end, it offers a testing environment consisting of three parts: Smart Campus, Smart Base and Smart City. These testing environments accelerate the process from technology to social solutions and reduce the time to market.



TESTING IN REAL LIFE



GOVERNMENT AS LAUNCHING CUSTOMER



TOP CLINICAL TRAINING HOSPITAL MST



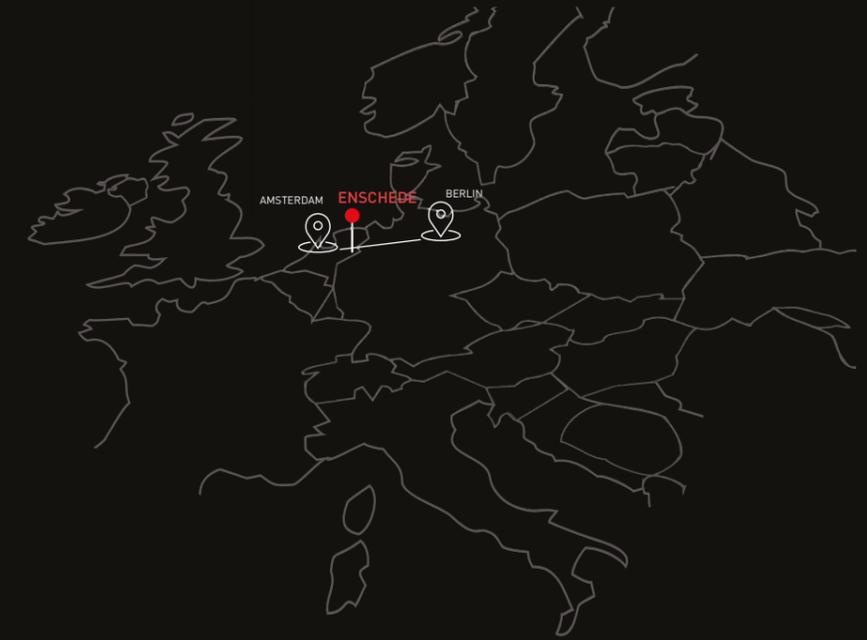
OSNABRÜCK / 94 KM



SMART CITY

158,585 _INHABITANTS

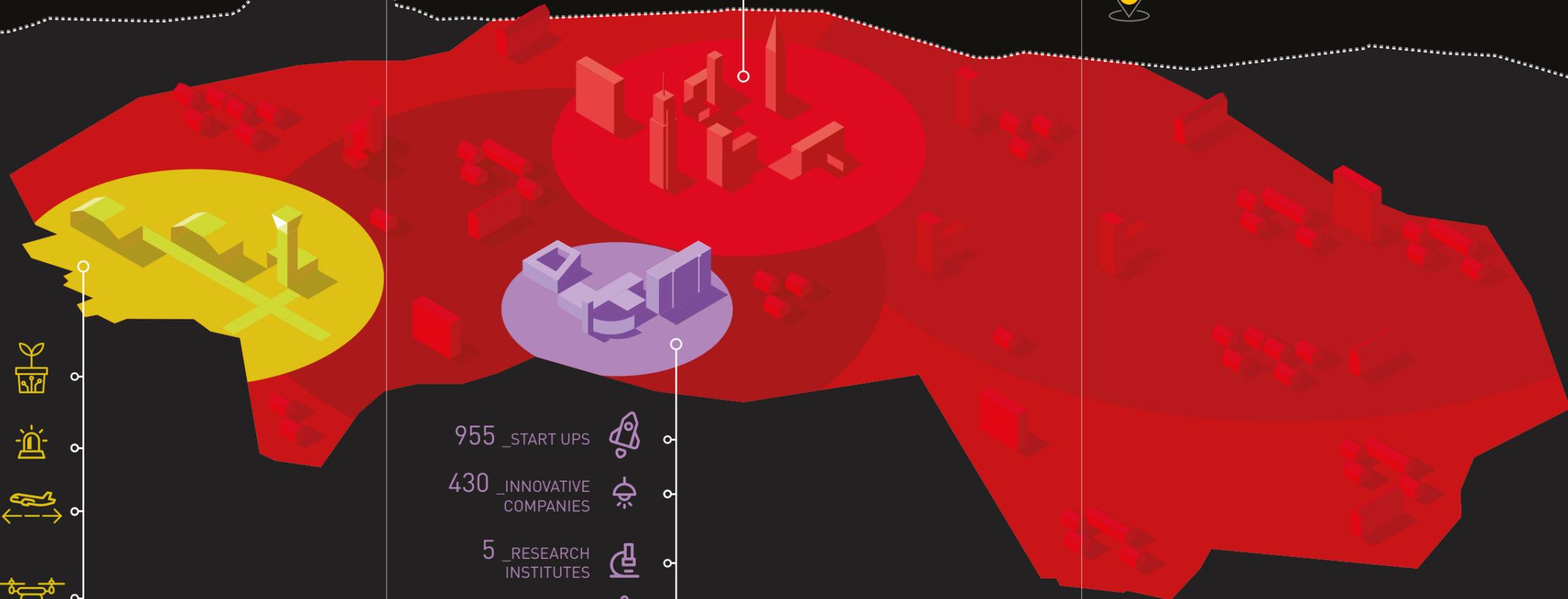
14,700 _HIGHER EDUCATION (SAXION HOGESCHOOL)



MÜNSTER / 68 KM



DUSSELDORF / 142 KM



AREA FOR PILOT PLANTS AND TESTING NEW SYSTEMS AND MATERIALS



SAFETY CAMPUS: TESTING EMERGENCY SITUATIONS



RUNWAY AND A LOT OF SPACE



SPACE53: TESTING AND DEVELOPING UNMANNED SYSTEMS



SMART BASE

3 KM _AIRSTRIP

220 HA _SAFE TESTING AREA

955 _START UPS



430 _INNOVATIVE COMPANIES



5 _RESEARCH INSTITUTES



ROBOTICS



SMART CAMPUS

9,600 _STUDENTS UNIVERSITY TWENTE

● SMART BASE

● SMART CITY

● SMART CAMPUS

SMART BASE



Technology Base is the testing ground for companies with a drive for innovation. It provides the ideal circumstances for the safe development and testing of new materials and systems. The three-kilometre-long take-off and landing strip and the immense surrounding area make it the ideal place for businesses that need a lot of space.

➔ www.technologybase.nl

Safety team education, training and exercises

Thanks to its shielded environment, Technology Base is the ideal place to instruct and train people. Knowledge institutes, companies and educational institutes develop and test new safety concepts on the Safety Campus, together with the police, fire, defence and medical services. Vulnerable groups learn how to deal with dangerous situations here. The Safety Campus is well known internationally and safety teams from around Europe perform exercises here, simulating realistic scenarios for large-scale disasters. The ideas developed on the Safety Campus help to make the world a safer place!

➔ www.twentesafetycampus.nl



Challenging entrepreneurs

Twente Airport is a unique location with a three-kilometre-long runway. The airport is accessible to all business-related air traffic. Twente Airport connects the business world and the knowledge institutes in the east of the Netherlands with the rest of the world, in a fast and efficient way. Twente Airport is a magnet for aviation-related enterprises. It provides the aviation sector with the space to test aircraft in all possible ways.

➔ www.twente-airport.nl



SMART CAMPUS



Europe's most enterprising university is situated on the Smart Campus. Also home to leading research institutes and a great deal of innovative activity, this campus is a breeding ground for advanced technologies and smart materials.

High tech, human touch

The University of Twente (UT) provides excellent education and research facilities in the fields of Biomedical, Nano and Information technologies, combined with the relevant governance and behavioural sciences. The approach is: High tech, human touch! The university distinguishes itself from others by the impact it creates through the transfer of scientific knowledge and in the number of spin-off companies it produces. It is the most entrepreneurial university in Europe.

➔ www.utwente.nl



Innovation campus

Around 400 businesses work on the technology of tomorrow at Kennispark (Knowledge Park). Knowledge-intensive companies are able to grow on this innovation campus, through innovations in high-tech systems and materials. Global players, such as high-end technology supplier Demcon and supplier of pioneering IT and mobility solutions Sigmax, are taking on the world from Kennispark. This is where the most start-ups are established. With its proximity to the university, students, entrepreneurs and scientists all work and live close to each other. This produces unique partnerships, intelligent innovations and new business impetus.

➔ www.kennispark.nl

Nanotechnology

MESA+ is one of the university's four research institutes and one of the world's largest nanotechnology laboratories. More than 500 researchers work together here, on cutting-edge research at the highest level. They develop new materials for solar panels, for example, or the computer chips of the future. They are also working on labs-on-a-chip: minuscule laboratories that are able to conduct tests and collect data on people.

➔ www.utwente.nl/mesaplus

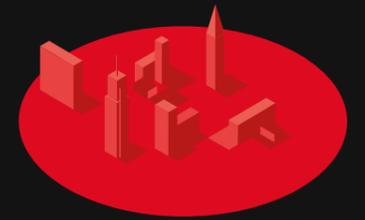


ICT research

The development of ICT – Information and Communication Technology – brings new technological, economic and societal challenges. CTIT researchers are working on these challenges, often in a multidisciplinary way, bridging technical disciplines such as computer science, electrical engineering and mathematics, but also between these disciplines and social and behavioural sciences. CTIT research has an impact on cyber-physical systems, human-machine interaction and solutions for the biggest challenges currently faced by society.

➔ www.utwente.nl/ctit

SMART CITY



Innovation is an important driver for the economic growth of Enschede and Twente. In addition, smart innovations contribute to an appealing, safe and dynamic city, of which residents, students, businesses and visitors alike are happy to feel a part.

Enschede is a living lab

Smart City Enschede is open to new technologies and ideas. Enschede is a launching customer for innovations in the fields of health, public safety and sustainability. It is also a living lab for trials of new, smart ideas in real life.

Reducing traffic problems with the SMART app

Getting more people cycling by positively influencing their behaviour, thus reducing traffic problems in the city. The SMART app is making all of this happen. This handy app gives travellers a choice of which benefit they wish to receive: reduced travel costs, shorter travel time, environmentally responsible travel or more physical exercise. This enables people to travel to, from and within the Twente region in smarter and more conscientious ways.



Motivating, stimulating and activating people to work!

The innovative employment market project '8TING' is an efficient programme with a strong focus on positive motivation. 8TING provides unemployed people with personal attention through the use of new web technology. It gives jobseekers valuable insights into how to increase their chances in the employment market and profile themselves in a distinctive way, resulting in a successful match.



Wireless sensors

The University of Twente and the business world are researching whether wireless sensor technology can help to anticipate large fluctuations in the groundwater level. The result is a better insight into the effects of rainfall.