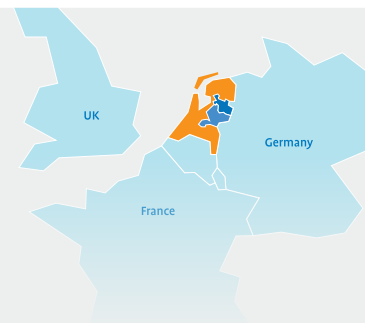




Nanotechnology

The Home of Nanotechnology Giants

If you are looking for the biggest names in nanotechnology, East Netherlands is where you can find them. Nanotechnology has priority for €110 billion from the EU as a Key Enabling Technology. The Netherlands is a major focus of this investment and is a strong leader in nanotechnology research, product development, manufacturing and technology application.



**East Netherlands:
Your integrated
ecosystem for
nanotechnology.**



Business climate



One of the strengths of East Netherlands is the most substantial concentration of integrated nanotechnology related businesses in the nation.

Its strengths are:



Markets

With direct access to the largest markets in Europe, a strong and deserved reputation for its strong logistic expertise, the region of East Netherlands provides the ideal platform for getting your products to market. This infrastructure also serves to attract talent, expertise and world-class companies to the region.



Companies

Lionix International, Solmates, NanoPhysics, Sensata, Mimetas, Micronit, and Nanomi (Lupin Ltd) are among the companies offering technology platforms for shared R&D, as well as product development consortia to assist in product launch.



Infrastructure

Facility sharing is one low-cost method for companies to boost innovation and enter new markets. Many nanotechnology related facility sharing opportunities exist, such as **the largest micro/nano cleanroom facility** in Europe at MESA+ (1,250 m²).

The NanoLab is open to any company located in the High Tech Factory. Here researchers can work on new ideas, develop prototypes, and produce in small-scale series.

High Tech Factory

This production facility is for businesses focusing on microsystems and nanotechnology. It is located on the campus of the University of Twente in Enschede, near the new NanoLab of MESA+.

Radboud Research Facilities in Nijmegen offers a wide range of facilities and expertise within six research domains: Biochemical Screening, Biomedical Imaging, Neurology and Motion, Health Supercomputing, Nano- and Microbiology and Energy and Sustainability.



New technologies



Expertise

With access to world-class academic expertise in many disciplines from mathematics and computer science to chemistry, physics and many others, the business partners in East Netherlands benefit from an unusually high degree of interdisciplinary synergy. An interdisciplinary, proactive and visionary environment interlinked with a business infrastructure which supports a thriving technological architecture, Key Enabling Technologies (KETs) targeted by the EU and Dutch government for investment and development, including nanotechnology, are focused on the main application areas:

- Nanotechnology
- Photonics
- Micro- and Nano Electronics
- Lab on a chip, microfluidics
- Materials
- Membrane technology

Only in East Netherlands can you find such a strong, vibrant representation of qualified nanotechnology business partners, technologies, talent and government support. This ecosystem is boosted by a funding injection from the EU of €110 billion Euros, to help companies such as yours to succeed with nanotechnology research and market application in Europe. If your company is active in the nanotechnology value chain, East Netherlands is the place to be.

PHIX Photonics Assembly established its assembly and packaging production line in April 2017, targeting cost-effective fabrication of Photonic Integrated Circuit modules in large volumes. With its operations on the premises of the University of Twente, PHIX contributes to the established regional eco-system of design, engineering and development of integrated photonics solutions, at photonic design kits, dedicated to assembly and packaging, to secure volume scalability and fast time-to-market of novel sensors in datacom, telecom and medical applications.



Oost NL has partnered with over **875** companies for success in Europe

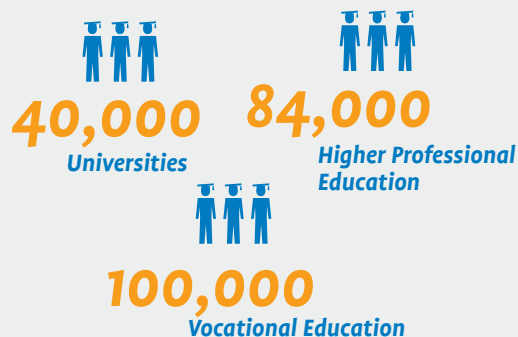


Top talent



Three Universities and five Universities of Applied Science educate multi-skilled talent for future challenges in Nanotechnology and Key Enabling Technologies such as Micro- and Nano Technology, and Photonics.

Number of students, East Netherlands



source: CBS, 2017/2018

Due to its central position in Europe, the East Netherlands attracts many international PhD students and researchers. Hosting three international schools, the region offers a quality setting for international talent workers and their families.



Funding

Nanotechnology, among other Key Enabling Technologies (KETs), and innovation are funding priorities within the European Union (EU). These funds are an important vehicle to connect our nanotechnology ecosystem to other important EU hotspots in e.g. Germany and France.

80 billion
budget for cooperation in R&D through EU Horizon 2020 program

As a partner of the Dutch and EU governments, Oost NL is a qualified intermediary in helping you to access EU, national and regional funding.

255 million
regional participation fund

100 million
innovation grants & incentives

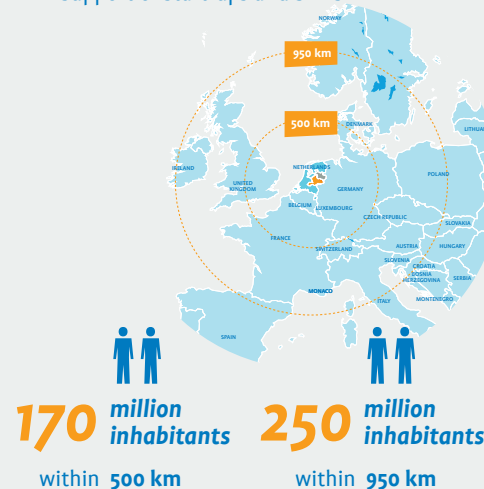


Business support

Oost NL is your partner in connecting international companies to business communities in the nanotechnology business.

Novel-T offers startups (New) and innovative entrepreneurs (Next) access to a dynamic ecosystem.

SMB Facilities & Support boosts open innovation together with coaching and support of start-ups and SMEs.



Oost NL - Your support for success in business

Oost NL is the economic development agency for East Netherlands. We have access to resources - funding, business partners and infrastructure, technological architecture and research partners - to help you succeed in establishing and growing your European business. If your strategic vision is global growth through European business development, Oost NL is your partner for success.

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