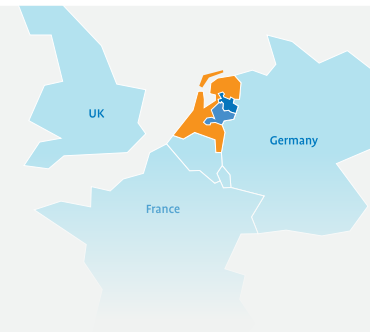




## Artificial Intelligence

# Artificial Intelligence (AI) in East Netherlands

A great deal of knowledge in the field of artificial intelligence is present in East Netherlands. Several universities in the region are doing research on the subject and are training AI talents. Higher and intermediate vocational education on studies apply some of this AI-knowledge in practice at businesses in the region.



## What is AI?

AI stands for artificial intelligence that enables machines, software and appliances to solve problems independently. In a way they imitate the human intellectual powers.

If your company is active in the artificial intelligence, East Netherlands is the place to be.

## AI possibilities

AI is already deployed in various application areas:



**Food:** data from smart sensors enables AI to minimize water wastage and overfertilization



**Health:** by analysing thousands of scanned images, diseases can be detected early on by AI



**Industry:** based on production processing data, AI can predict which machines are in need of maintenance



**Energy:** AI allows us to develop smart grids that can control variable supply and use of energy from sustainable sources like solar panels

### Companies

SciSports, Thales, Demcon, Nexperia, Allego, Flitsmeister, Moba, Nedap, Blueconic, ON2IT, amongst many others.

## AI business network East Netherlands

> **100 companies**

## Knowledge network

### Radboud University & Radboudumc

**Fields:** Machine & Deep Learning, AI for health, e.g. neural networks, medical imaging  
**Facilities:** 2 ICAI laboratories (Innovation Center for AI)

### Wageningen University & Research

**Fields:** Smart Farming & Dairy, AI for agro food & agro food robotics  
**Facilities:** WDCC Wageningen Data Competence Center

### One Planet Research Center

**Fields:** AI for food, health & healthy human  
**University of Twente**  
*Hardware for AI / AI for hardware*

**Fields:** Health Technology, Smart Industry/ Robotics, Energy Systems

### HAN University of Applied Sciences

5 Lectorates  
**Fields:** Data Science, AI, Analytics, Automotive vehicles, Digital Twin, Smart Grids & Industry, Bio Computer Science

### Saxion University of Applied Sciences

Lectorate Ambient Intelligence & Mechatronica  
**Fields:** AI Vision, Drones, Robotics

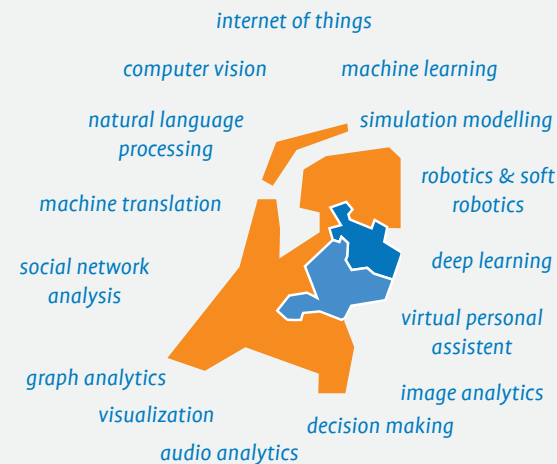
### FPC Fraunhofer Project Center

**Field:** AI in production

### Windsheim University of Applied Sciences

**Fields:** ICT in healthcare, Blockchain, Robotics

## AI technologies



## Ai HUB East Netherlands

**350+** businesses who are actively working on AI applications around important themes.

**65** AI-related startups that arise from one of the knowledge institutions.



Scan for more information on the Ai Hub East Netherlands

### One Planet Research Center

Collaboration between imec and the Dutch universities Radboud University, Wageningen University & Research (WUR) and Radboudumc focuses on the development of sustainable technologies for food, health and agriculture.

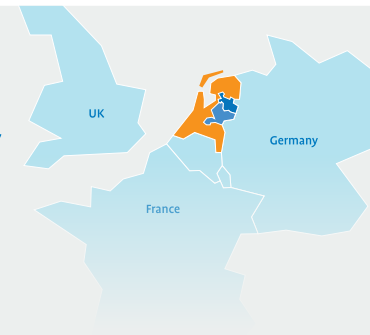
*“We have been chosen by our Dutch partners because of our world leading position in nano- and chip technology. In return, for imec, the opportunity lies in collaborating with one of the world’s most highly regarded agricultural universities and extending our sensor technology activities into the domains of agriculture and horticulture. In addition, we want to develop new solutions for a better and more efficient healthcare – together with Radboudumc”.*

John Baekelmans, managing director of imec the Netherlands



Artificial Intelligence

# Oost NL has successfully supported nearly **1,000** companies from all over the world



## Top talent

The region has leading entrepreneurial academic research centers: Wageningen University & Research (Food Research), Radboud University & Medical Center, Nijmegen (Life Sciences & Health) & University of Twente Enschede (Medtech & Technical Medicine). The Universities and Applied Science Institutes in the Netherlands strongly support relevant scientific studies that are closely linked to this growing market.

### Number of students, East Netherlands

**45,000**

research university students

**88,000**

university of applied sciences students



**106,000**

students in vocational education

source: CBS, 2019/2020

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



## Funding

Innovation in Tech is one of the funding priorities within the European Union (EU). These funds are also an important vehicle to connect our Tech ecosystem to other important hot spots in Europe. The EU has made significant investments in Tech in recent years.

**95.5 billion** budget for cooperation in R&D through EU Horizon 2021-2027 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

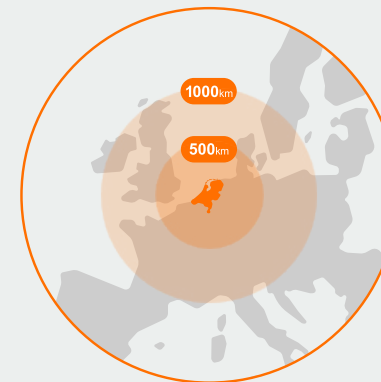
**100 million** innovation grants & incentives



## Market access

The Netherlands is a gateway to European markets, with an open market approach, business-friendly fiscal climate, and a multilingual workforce.

**95%** of Europe's most lucrative consumer markets are just **around the corner**



- 244 million consumers within 2-3 days by road
- 170 million consumers within 1-2 days by road



**6** International airports in 1.5 hour drive

## Oost NL - Your support for success in business

Oost NL is the economic development agency for East Netherlands.

### Invest in Holland

Oost NL works closely together with partners in the Invest In Holland network. Our main partner is the Netherlands Foreign Investment Agency.

We have access to resources - funding, network of business and research partners- to help you succeed in establishing and growing your European business.

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East Netherlands Development Agency

