

DIGITAL INCOME.

Join major digital companies such as Google and IBM in the TopDutch region, where the unique mix of excellent digital infrastructure, research and education, mixed with an innovative and highly-skilled ecosystem, are accelerating the digital future.

The Dutch invented the CD and DVD, Wi-Fi, Bluetooth and Python. Today, we form a digitally savvy society, being highly educated, wealthy and enjoying excellent internet access. Our open and innovative culture invites us to develop and test new digital technologies. The global digital infrastructure has one of its main internet exchange points in the Netherlands. TopDutch offers the digital infrastructure, unique innovation and market field labs, networks, talent and an excellent test-market population for rapid market access and validation. Here, we accelerate the digital future.

- Best digital infrastructure & power grid
- 3. & ideal testmarket
- 5. Access to pioneering talent & skilled labor

- 2. Strong in data science and deep learning
- 4. Accelerating Industry 4.0

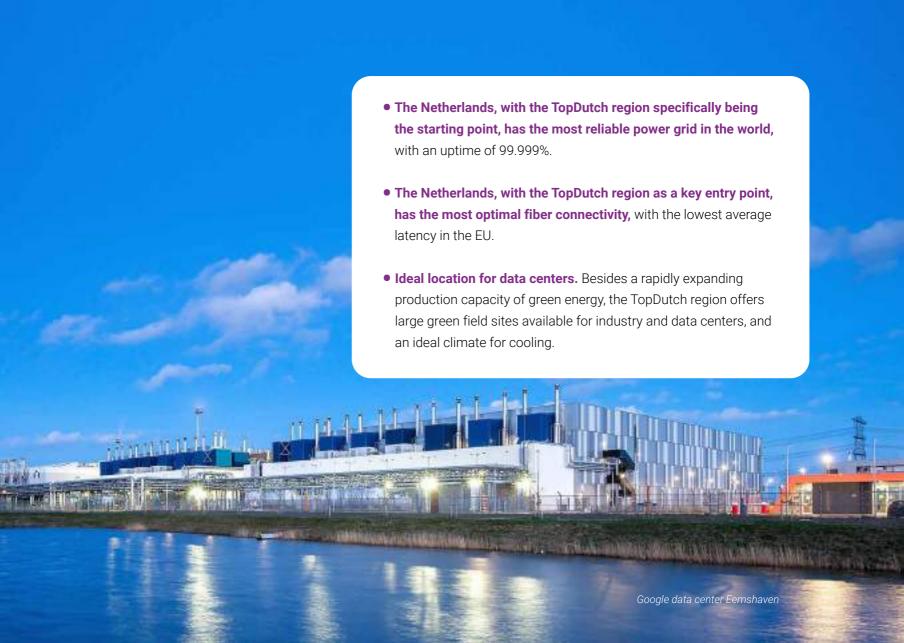
Fastest

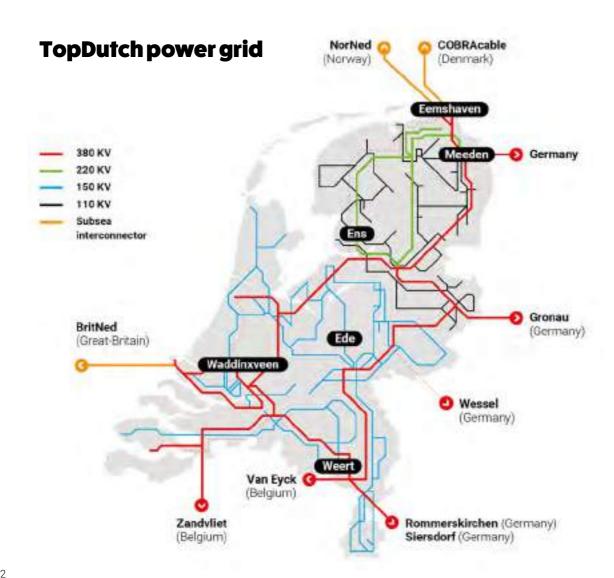
business
development

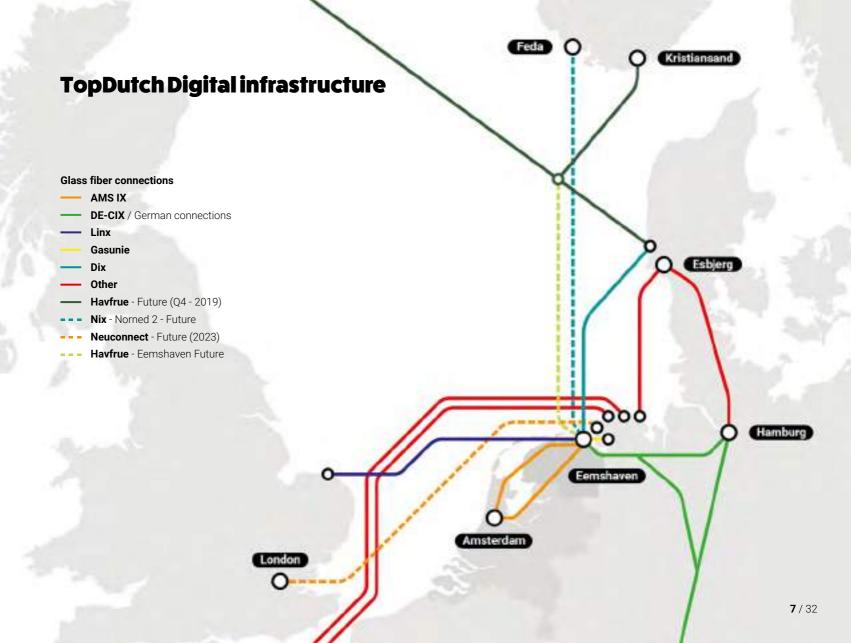
BEST DIGITAL INFRASTRUCTURE, POWER GRID & DATA CENTER LOCATION

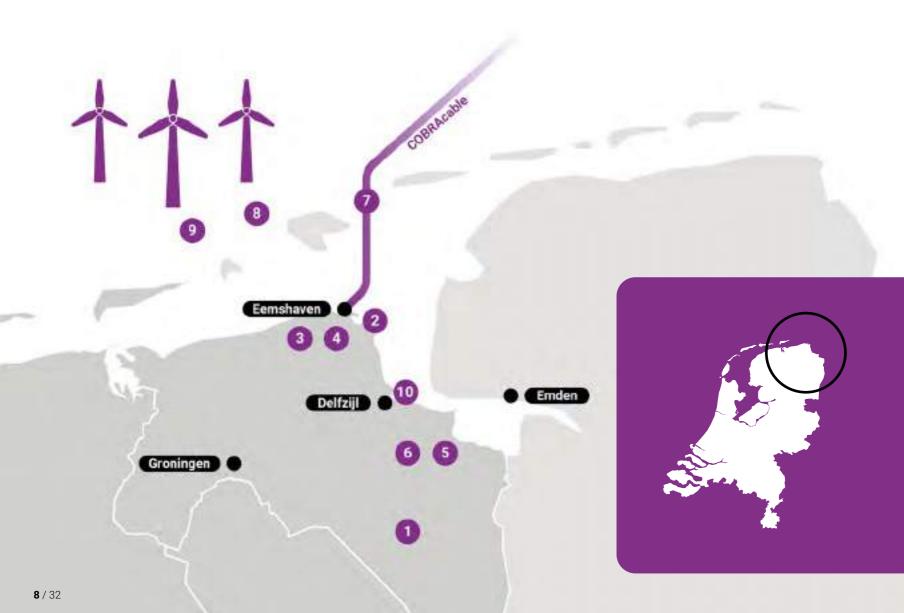
The TopDutch region is the ideal location for energy- and data- intensive businesses looking for a location in Europe.











TopDutch on- and offshore windparks

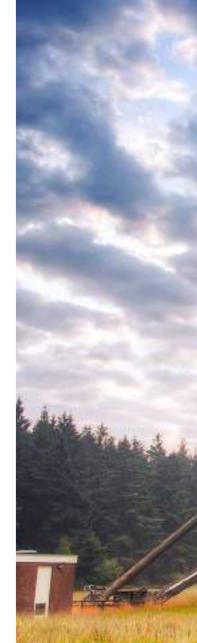
- 1 100-120 MW Wind farm N33
- 2 276 MW Wind farm Eemshaven
- 3 130 MW Extension wind farm Eemshaven
- 4 85 MW Wind farm Oostpolder
- 5 20-150 MW Wind farm Delfzijl
- 6 48 MW Search area for wind turbines
- 7 700 MW COBRAcable
- 8 600 MW Gemini Offshore Windpark
- 9 700 MW Gemini West + Clearcamp
- 10 65 MW Eneco Windpark Delfzijl Noord

- Home to Gemini 1, the largest offshore wind park in Europe

 and expanding. Gemini Wind Park is built 85 kilometers off the
 TopDutch coast, leading to a park that produces green energy for over 800,000 households. It won't be long until Gemini 2,
 (and counting) will rise in our shallow North Sea to power our industry, the rest of Dutch households and your data centers.
- Google was first. Google opened its first data center in the TopDutch region in 2016. A year later Google announced its plans for a first expansion, and in summer 2019 Google announced a second expansion. Investments now total over 2 billion euros. The TopDutch data center is Google's first data center to run entirely on green energy.

2. STRONG IN DATA SCIENCE AND DEEP LEARNING

The TopDutch region is dedicated to becoming one of the smartest regions in the world, collecting and processing absolutely astronomical amounts of data each day.

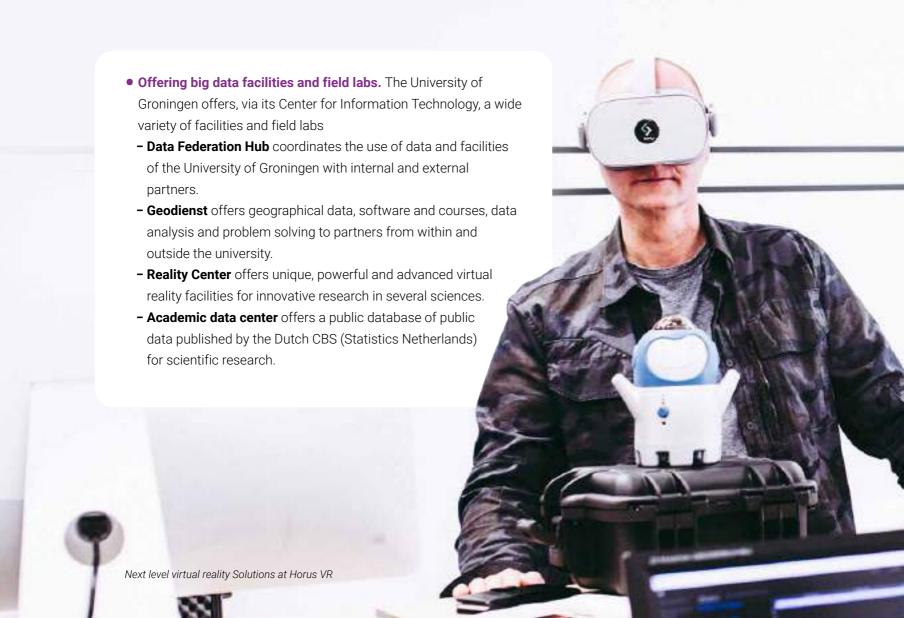




- Collaborating with global top tech firms on Deep Learning endeavors. In the TopDutch region, our Center for Information Technology (CIT) works together with Google and Facebook on Deep Learning projects.
- Home to CogniGron, the Groningen Cognitive Systems and Materials Center. Hosted by the University of Groningen, CogniGron develops materials-centered system paradigms for cognitive computing based on modelling and learning at all levels: from materials that can learn, to devices, circuits and algorithms. CogniGron brings together different scientific disciplines with the aim to develop a cognitive computer: A computer that functions like the human brain.





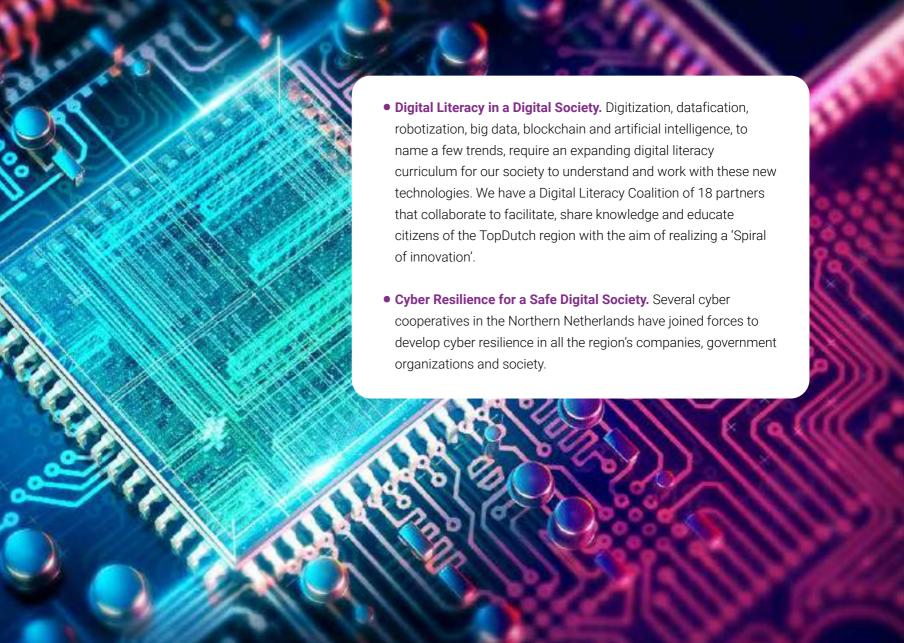




3 DIGITAL SOCIETY& IDEAL TEST MARKET

Our digital-savvy society keeps learning and updating their skill-sets. The Dutch culture encourages innovation and technological adoption, making the Dutch population an ideal test market.





- The Netherlands ranks number four in technological readiness, with a score of 9.44 out of 10. The Netherlands scores perfectly across almost all sub-indicators, including internet use, patents, scope of e-government and research infrastructure.
- The Netherlands ranks number two on the 2018 Global Innovation Index, published by WIPO, INSEAD, and Cornell University. We excel on this index with a:
 - # 1 ranking in business sophistication
 - # 2 ranking in knowledge & technology outputs
 - #3 ranking in creative outputs.

#1 Business sophistication

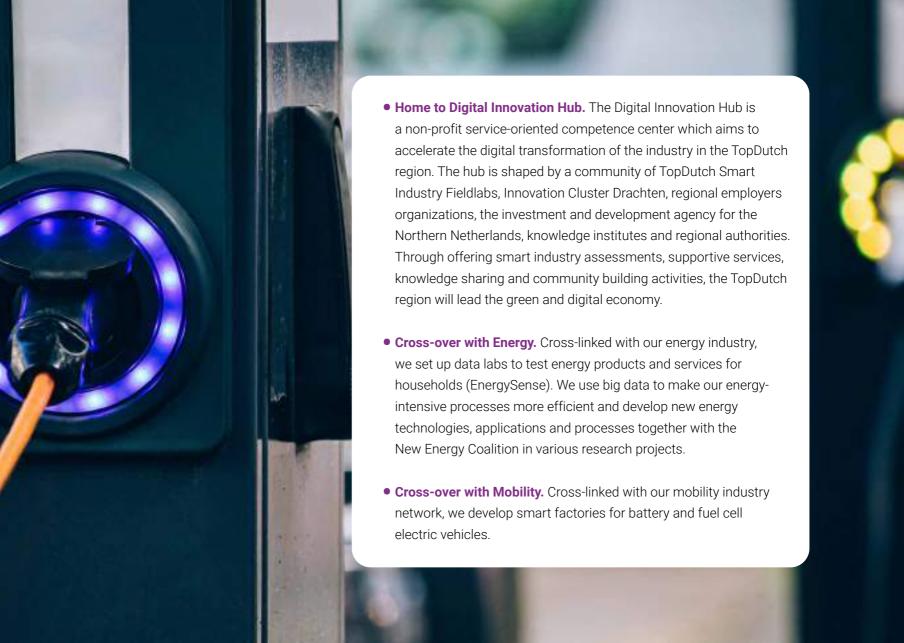


#3 Creative outputs

#2 Knowledge and technology outputs

4. GREEN AND DIGITAL ECOSYSTEM ACCELERATING INDUSTRY 4.0

We have a strong starting position (openness, innovation drive, connectivity) to become a leading economy in the digital society. TopDutch built an ecosystem that will accelerate the pace of digitization even more.





- Cross-over WaterTech. Cross-linked with our WaterTech innovation chain, we develop highly specialized water technologies and sensor technologies for industry 4.0.
- Cross-over with AgriFood. Cross-linked with our AgriFood industry, we develop new technologies such as soil sensor systems, smart dairy farming technologies and technologies that perform calibration measurements to optimize the performance of our cultivation and greenhouses for more sustainable farming.
- Cross-over with Life Sciences & Health. Cross-linked with our Life Sciences & Health industry, we have set up big data labs such as dHealthLab and DASH (data science in health) for developing and testing smarter health care and healthy ageing solutions
- Cross-over with Green Chemistry. We use computational
 modeling for predicting optimal bacterial engineering models,
 speeding up optimization and upscaling of these new biotechnical
 processes to produce chemicals for agricultural, biomaterials,
 flavors, fragrances and biofuels. We also use big data to optimize
 processes in our chemical plants.

5 ACCESS TO PIONEERING TALENT AND SKILLED LABOR

TopDutch is the region of talent, home to an ever-increasing number of both scientific and entrepreneurial talent.

HackerOne was founded in the TopDutch region and is now the largest cyber security firm of its kind

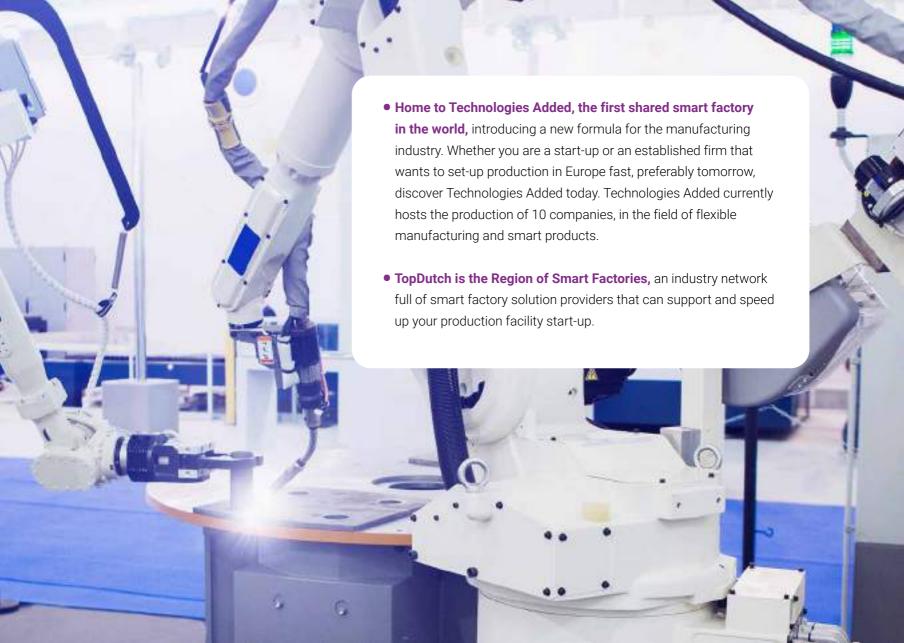




6-BUSINESS DEVELOPMENT & FACILITY SET-UP

The TopDutch region aims to accelerate the green and digital economy by facilitating and speeding up business development.









- We have the fastest business development in Europe,
 The Northern Netherlands offers some of the most attractive establishment procedures for new companies in Europe:
 - It takes only 4 days to register your business, one week to open bank accounts and insurance, and two weeks to release your VAT Number.
 - Companies who need to establish their own facilities, require only 17 to 26 weeks from application to the start of construction a process that takes more than 25 weeks in Spain, 40 weeks in the Czech Republic and 30 weeks in Hungary.
 - **IWe provide a dedicated team** to comprehensively and smoothly guide you through the business foundation process.



Are you interested in exploring what your business possibilities could be?

Connect with Wubbo Everts,

our Digital Innovation expert.

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JOIN TOPDUTCH

Want to find out more about what makes the TopDutch region a good place to be great, or view the digital edition? Head over to our website www.topdutch.com

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Economic region



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