

WHY INVEST IN THE TOPDUTCH GREEN CHEMISTRY INDUSTRY

In 1959, TopDutch discovered the world's 9th and Europe's 2nd largest natural gas field right under their feet. Together with naturally large reserves of sodium and sodium chloride and a flourishing agricultural hinterland, it didn't take long before the TopDutch developed a mature chemical industry. Today's focus is fully on becoming the greenest chemical cluster in the world: fossil-free, CO₂ negative, fuelled with green building blocks and closing the loop. United in Chemport Europe, the entire chemical ecosystem collaborates towards their shared vision and goals. Here, we change the nature of chemistry.

GREEN CHEMISTRY

our offer:

- 1. Cohesive ecosystem for Green Chemistry**
- 2. Access to green feedstock & energy**
- 3. First CO₂ negative, fossil-free & circular cluster**
- 4. Hydrogen capital of Europe**
- 5. Reliable government & fast business development**
- 6. World-class knowledge & access to talent**

How we're changing the nature of Green Chemistry

1. Complete and cohesive ecosystem for Green Chemistry

We offer the most complete and cohesive Green Chemistry ecosystem in Europe.

- Entrepreneurs, government and knowledge institutions collaborate in Chemport Europe, consisting of Chemport Emmen for polymer/ polymer applications and Chemport Eemsdelta for intermediate chemicals, to make chemistry green.
- Companies in Chemport Europe integrate chains and collaborate to close the loop, accelerating the circular economy.

2. Direct access to green feedstock and green energy

We're rich in our own green resources, and also well-connected to Germany and Scandinavia.

- We offer access to green feedstock and building blocks via our regional natural gas reserve; regional reserve of sodium chloride; regional reserve of magnesium chloride; biomass and biorefined chemical building blocks; or easy imports via our seaports.
- We offer access to green energy including our own supply of solar, wind and biomass energy, and imported green energy via the NorNed and COBRA cable.

3. Most ambitious ecosystem

We will be the first fossil-free, CO₂ negative and circular chemical cluster in the world.

- Chemport Eemsdelta will be the first fossil-free and CO₂ negative chemical cluster by using only green chemical building blocks; optimizing all processes; reusing CO₂ and collaborating and investing together.
- Chemport Europe is leading the New Plastics Economy by focusing on 100% circularity; making 100% green products; designing plastic products for easy recycling and developing systems to collect, recapture, filter and recycle all plastics.

4. Hydrogen Capital of Europe

We are dedicated to producing 100% green hydrogen, one of the most used and basic chemicals in the chemistry industry.

- We decided to close our large natural gas reserve in 2022, spurring us to transition from gray hydrogen to green hydrogen production (via blue hydrogen).
- We'll first transition our no. 1 in Europe gas infrastructure to a blue hydrogen transmission network, with first pipeline ready by 2021. After switching to a hydrogen transmission pipeline network, we will transition the hydrogen mix from blue to green, with a green hydrogen production capacity of 2.5GW by 2030.

5. Reliable government and fastest business development

We offer one of the most attractive business establishment procedures for new companies in Europe.

- TopDutch government is willing to co-invest in Green Chemistry.
- TopDutch has the fastest business development in Europe.

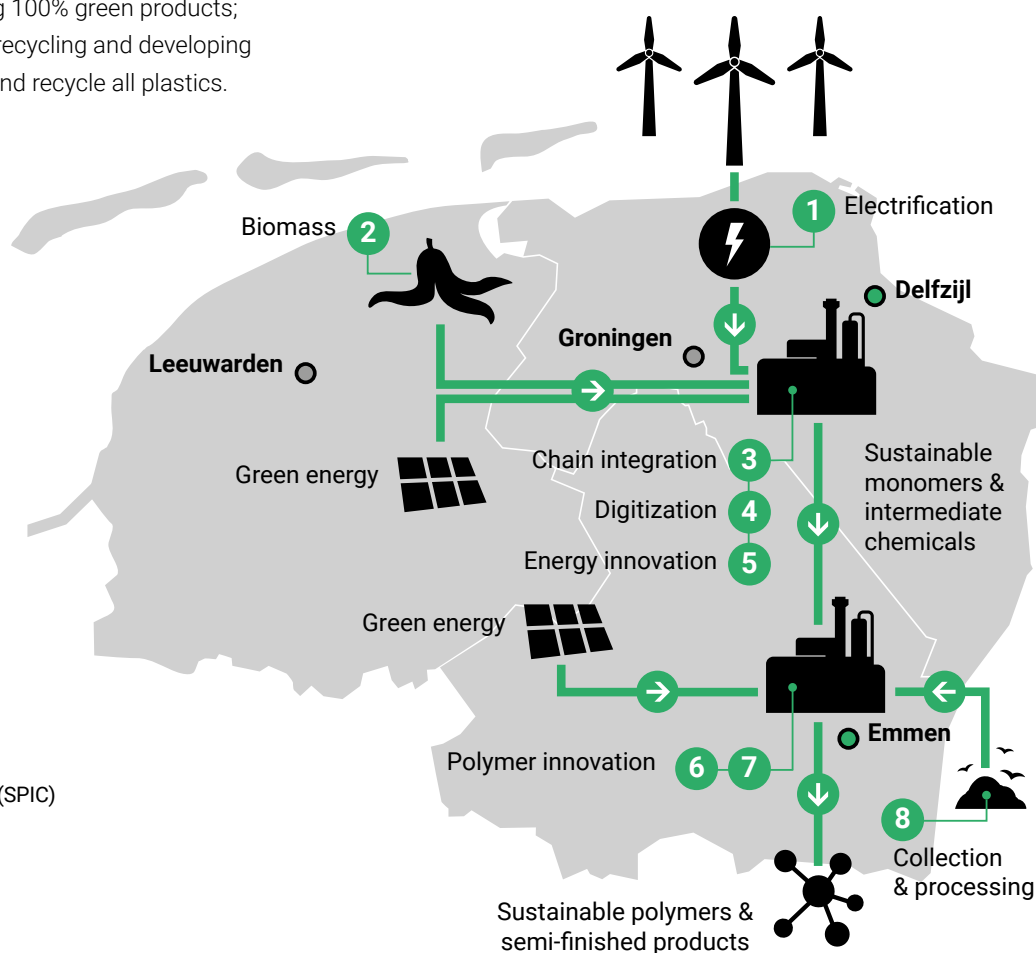
6. World-class knowledge development and access to talent

We have a highly skilled workforce that knows green chemistry and offer leading R&D facilities.

- The University of Groningen has the largest chemistry facility in the Netherlands, and is home to Nobel Laureate Ben Feringa.
- We have an extensive ecosystem of leading R&D facilities, crossing over with our other key industries.

A coherent and innovative R&D and production ecosystem

1. 1 MW Test Centre
2. Zernike Advanced Processing (ZAP)
3. Chemport Industry Campus (CIC)
4. Smart Industry Hub
5. EnTranCe
6. Sustainable Polymer Innovation Cluster (SPIC)
7. Green PAC Polymer Application Centre
8. Knowledge Centre Recycling



The TopDutch region

TopDutch is the economic region of the provinces of **Groningen, Friesland and Drenthe**, in the Northern Netherlands. **We provide green and digital solutions to global challenges**, and encourage talent to be great. From large, established multinationals all the way to the hottest new start-ups, the TopDutch region draws in global businesses as a result of our purpose-driven, people-powered ecosystems, our competitive financial and fiscal environment, and our green, digital and talented business culture. **Are you looking for the right place to locate your innovative company?**

NV NOM

NV NOM, the investment and development agency for the Northern Netherlands, **provides support with every stage of the process in (re)locating your business to the TopDutch region**. Whether that be that you'd just like to know a little more about the TopDutch opportunities in Green Chemistry, all the way to finding and helping you set up your new site.



Are you interested in exploring what your business possibilities could be? Connect with Errit Bekkering, our Green Chemistry expert.

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TOP DUTCH
A good place to be great