

The Netherlands at Pollutec Lyon 2025



Netherlands

Foreword

Stefano Oosthof, Director NBSO Lyon | South East France

It is with great pride that I present to you the **NL Pavilion** at Pollutec. As the director of the **Netherlands Business Support Office (NBSO)** in **Lyon** and representative of the Netherlands in South East France, I am delighted to introduce this pavilion, together with my colleague **Astrid Laurans**.

Pollutec provides a unique platform to highlight the importance of sustainable entrepreneurship, a topic that is close to all of our hearts. From energy to water, and from the circular economy to innovation: these themes are central to the Dutch contribution to this fair.

Our ambition through the NL Pavilion is to connect leading Dutch companies with the French market. Here, we showcase a range of innovative enterprises that are active in various sectors, with a strong focus on sustainability. Some of these companies are already active in France and wish to further intensify their involvement, while others are seeking new collaborations.

In this brochure, we highlight the Dutch participants and their ambitions in more detail, and we hope to inspire you towards further collaboration.

We hope that the NL Pavilion is not only a symbol of our collective efforts but also a source of inspiration for further cooperation and innovation.



Stefano Oosthof

Director NBSO Lyon | South East France

Location

The NL Pavilion is located in Hall 4-E020.

Direct contact

For more information about the NL Pavilion or the participants, contact NBSO Lyon | South East France via info@nbso-lyon.fr | 0033 04 72 40 08 40.

Introducing the Netherlands

How do the Dutch make a difference?

Through their interactive approach to finding innovative solutions to the big challenges facing the world today. The Dutch way of thinking and working has been shaped by centuries of living in the low-lying delta of the Netherlands.

Through the ages, the Dutch have joined forces to find ingenious ways to tackle challenges like water, urbanisation, energy, food, health and security.

By being inventive, pragmatic and open to new challenges, the Dutch have created a flourishing and resilient land. The Netherlands is a constantly evolving ecosystem of cities, industry, agriculture and nature, all integrated through smart infrastructure. It is a source of knowledge and experience that the Dutch are keen to share with others. Learning from the past to create a better future. Together, seeking sustainable solutions for the most liveable world.



Source: Luca Locatelli

The Netherlands, your partner in sustainable solutions

Worldwide rankings

1st

Largest flower exporter

(Source: OEC, 2022)

3rd

Largest exporter of agricultural products in the world

(Source: WUR/CBS, 2023)

4th

Largest importer of goods in the world, 842.05 billion US dollars

(Source: Statista, 2023)

4th

Largest exporter of goods in the world, 934,57 billion US dollars

(Source: Statista, 2023)

4th

Leading economy worldwide by Foreign Direct Investment (FDI) inward stock, 2,86 trillion US dollars

(Source: Statista, 2023)

6th

Greatest place to live

(Source: World Happiness Report, 2024)

7th

on the Global Innovation Index

(Source: WIPO, 2023)

9th

on the World Competitiveness Ranking

(Source: International Institute for Management Development, 2024)

Facts & figures

Official name:

Kingdom of the Netherlands

Capital:

Amsterdam

Seat of government:

The Hague

Form of government:

Parliamentary democracy (cabinet of Prime Minister and Ministers) within a constitutional monarchy

Head of State:

His Majesty King Willem-Alexander, King of the Netherlands, Prince of Orange-Nassau

Location:

Western Europe bordering Germany, Belgium and the North Sea

Administrative structure:

The kingdom consists of four entities. The Netherlands and three territories in the Caribbean: Aruba and Curaçao and St. Maarten.

Special municipalities:

The overseas islands of Bonaire, Saba and St. Eustatius, all three of which are located in the Caribbean.

Surface area:

41,543 km²

Number of inhabitants (2024):

18 million

Monetary Unit:

Euro

Languages:

Dutch, Frisian and on the overseas islands also English and Papiaments

GDP per capita

(World Bank, 2024):

57,800 US dollars

Number of provinces:

12

Number of inhabitants per km² (2024):

533

Unemployment rate (CBS, 2024):

3.7%

English speaking Dutch people:

90%

How to Connect with the Dutch

Useful words & phrases for your business meeting

To ensure smooth matchmaking with Dutch participants at Pollutec — and to make international networking a bit more fun — we have created a small business-to-business phrase list. Below you will find some of the most common Dutch words and phrases you can use to break the ice, start a conversation, and bring a deal to the table.

Dutch Business Basics

- Hello, my name is... → Hallo, mijn naam is... → hah-loh, main nahm iss...
- I am from [company name] → Ik ben van [bedrijfsnaam] → ik ben fan
- My company works in... → Mijn bedrijf werkt in... → main buh-drayf werkt in...
- We are specialized in... → Wij zijn gespecialiseerd in... → vai zain ghe-speh-sha-lee-seerd in...
- We are looking for partners → Wij zoeken partners → vai zoo-kuhn part-nurs
- What sector do you work in? → In welke sector werkt u? → in vel-kuh sek-tor werkt oo?
- Nice to meet you → Leuk u te ontmoeten → luhk oo tuh oont-mooh-tuh
- Can we schedule a meeting? → Kunnen we een afspraak maken? → kuh-nuh vuh un ahf-sprahk mah-kuhn
- Here is my business card → Hier is mijn visitekaartje → heer iss main vee-zee-tuh-kaahr-tjuh
- I will send you an email → Ik stuur u een e-mail → ik stur oo un ee-mail
- Can I have your contact details? → Mag ik uw contactgegevens? → mahkh ik oo kon-tahkt-ghuh-ghay-vuhns
- When are you available? → Wanneer bent u beschikbaar? → va-neer bent oo buh-schayk-bahr
- That sounds interesting → Dat klinkt interessant → daht klinkt in-teh-res-sant
- Let's stay in touch → Laten we contact houden → lah-ten vuh kon-tahkt how-duhn

Bonus – Culture Icebreakers

- Do you like cycling? → Houdt u van fietsen? → howdt oo fan feet-suhn
- Have you tried bitterballen? → Heeft u bitterballen geprobeerd? → hayft oo bit-ter-bahl-luhn ghe-pro-bayrd
- Long live King Willem-Alexander! → Leve Koning Willem-Alexander! → lay-vuh koh-ning vil-lem ah-lek-sahn-der

Company profiles



Netherlands



Representing AW Machinery
at Pollutec:



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AW Machinery

AW Machinery is a Dutch company specializing in the design and production of high-quality washing and suction units, for emptying and cleaning (semi)underground waste containers. We also develop innovative container handling attachments, including multi-hook and 3-hook lifting units, designed to improve safety and efficiency in waste management operations.

With a strong focus on innovation, durability, and user-friendliness, our machines and attachments help waste companies, municipalities, and industrial partners work smarter and safer every day. Every product is built to deliver reliability in demanding environments, while our flexible approach allows us to adapt to the specific needs of our customers.

At AW Machinery, we don't just deliver machines – we deliver complete solutions that make work easier, safer, and more sustainable.

For more information:
www.machinebouw.awmaterieel.nl/en.

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Representing Azzurro
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Azzurro

Azzurro is a science-driven Solution Provider, whose mission is to help customers comply with their emission requirements. We advise, design and supply Air Pollution Control Solutions for all industries. Our biological solutions are more efficient in emission reduction, more reliable in operating and more economical than the conventional chemical scrubbers or thermal oxidisers. And our customers agree.

Our team of experts is experienced and highly motivated to assist you.

In addition to many municipalities, we are proud to have a long list of highly renowned customers in all fields of industry – from Petrochemical to Agricultural and from Food to Chemical. AZZURO is operating globally with offices in the USA, Europe, the Middle East and Australia.

For more information: www.azzurro.com.

Azzurro

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DESPRAY Environmental

DESPRAY leads global aerosol recycling with innovative, safe systems that recover 100% of metal, liquids, and gases. Our range spans the compact DS750, processing 0.75m³/hour for smaller operations, to the high-capacity DS5000, handling up to 5m³/hour for industrial-scale needs. Every system is engineered for zero risk, featuring Lloyd's-certified, explosion-proof technology that ensures a non-explosive environment during processing.

Safety is at the heart of DESPRAY's commitment. We integrate 27 separate safety features, including advanced auto-pause mechanisms for real-time parameter monitoring, oxygen-free closed-loop processing, and emergency shutdown protocols, all designed to protect operators and prevent incidents.

We're committed to sustainability, diverting millions of kilos from landfills and fueling the circular economy. With over 560 million cans recycled to date, DESPRAY sets the industry standard for efficiency, turning waste into valuable resources like clean propellant gas, reusable liquids, and recyclable metals.

Backed by Boessenkool's engineering heritage, our containerized units install in just 3-10 days, fully tested and ready to run. Features like "end of waste" certified gas cleaning make us the safest, most reliable choice. Leading the industry in safety and efficiency.

Visit our stand to explore how DESPRAY's aerosol solutions transform waste into resources for a greener future. Meet Mike MacKay, Stephen MacKay, and Eelco Osse to discuss tailored partnerships and see our tech in action!

For more information: www.despray.com.

Representing EMI Twente |
INNOMEM at Pollutec:



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At the forefront of membrane innovation, EMI Twente BV is a Dutch R&D powerhouse with over three decades of experience in developing and scaling membrane technologies for water, air, and process purification. With deep roots in academia and a strong industrial focus, EMI Twente bridges the gap between research and real-world application—offering services from membrane design and testing to pilot-scale implementation.

As coordinator of the INNOMEM project, EMI Twente leads a Europe-wide initiative to accelerate the uptake of nano-enabled membrane technologies. INNOMEM is building a sustainable Open Innovation Test Bed (OITB) that supports industries—especially SMEs—in developing, scaling, and validating advanced membrane solutions.

For Pollutec visitors seeking eco-efficient, high-performance separation technologies, INNOMEM offers a Single Entry Point (SEP) to a full suite of services:

- Custom membrane development and surface modification
- Upscaling and pilot testing at TRL7
- Access to top-tier European labs and demo sites
- Expert support in regulatory, techno-economic, and environmental assessments

Whether you're tackling industrial wastewater, air emissions, or circular economy challenges, EMI Twente and INNOMEM provide the tools and expertise to bring your membrane innovation to market—faster, smarter, and more sustainably.

For more information: www.innomem.eu.

Representing Haskoning
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Haskoning

Haskoning is an independent consultancy which integrates 140 years of engineering expertise with technologies and software solutions. In the water market, we provide forward-looking services, state-of-the-art software, and world-leading technologies, encompassed in a coherent vision for sustainable, integrated water use. We take a holistic view, exploring the widest possible range of answers to your drinking water and wastewater challenges and work together with key universities and research institutions so you're always one step ahead.

Our portfolio of wastewater treatment products provides a toolbox of proven technologies to improve performance, capacity, and sustainability of your treatment plant – while reducing operating costs.

Ephyra® and **Helea®** are our advanced anaerobic digestion solutions that significantly higher biogas yields and reduce sludge digestion costs for wastewater treatment plants.

Nereda® aerobic granular sludge is an extremely cost-effective, efficient, and sustainable way to meet challenging effluent quality targets biologically, in a limited space. (*by Sources in France)

Aquasuite® (AI-powered software), we help water companies foresee critical situations and opportunities and gain actionable insight on their (waste)water infrastructure Plants and Networks, while performance is autonomously optimised 24/7.

Aurea® is a sustainable, efficient, and cost-effective way to remove micropollutants.

Haskoning actively works with customers and contractors to provide efficient and effective wastewater and biosolids treatment solutions. We provide a technology package and work with local contractors to customise designs for specific projects and drivers. We continuously seek to work with customers and contractors where our portfolio can offer projects a competitive solution.

For more information: www.haskoning.com.



Lek/Habo Group

With more than 75 years of experience, Lek/Habo delivers integrated energy solutions for the bioeconomy and the transition to sustainable power. Our expertise covers high-efficiency **CHP units**, advanced biogas cleaning and drying systems, intelligent control panels, transformer stations, and low-voltage distribution systems.

Building on this foundation, we now also supply **Battery Energy Storage Systems (BESS)** and **Industrial Heat Pumps**, designed to recover energy from residual flows such as wastewater treatment and industrial processes. These technologies enable circular energy concepts, contribute to reducing CO₂ emissions across sectors, and support the stabilization of the electrical grid.

Our CHP portfolio, ranging from 30 kWe to 3600 kWe, provides green electricity while utilizing engine heat for applications such as digestate drying, industrial processes, and district heating. Systems can be deployed in both on-grid and off-grid configurations, seamlessly integrated with renewable energy sources like solar and wind.

Our industrial heat pump solutions are also proving highly effective in the horticultural sector, where they provide sustainable heating for greenhouses. Already widely applied in the Netherlands and Belgium, these systems help growers reduce their dependence on volatile gas prices. Lek/Habo has successfully implemented such solutions at horticultural companies in both the Netherlands and Belgium, often in combination with CHP units, battery storage, and solar PV.

As a full EPC contractor, Lek/Habo manages projects from concept to commissioning. With more than 300 professionals operating from seven locations in the Netherlands, Belgium, Germany, and Poland, we combine local expertise with international reach.

For more information: www.lekhabo.nl.

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Moxba Group, founded 50 years ago, is a globally active specialist in the recycling of metal-containing wastes. The Group has developed from a scrap-metal family business into a multinational full-service metals and alloys recycler, with three plants across the Netherlands and Brazil, boasting one of the lowest carbon footprints in the entire industry.

The Moxba Group offers various recycling solutions for molybdenum, nickel, vanadium, tungsten, cobalt, copper, and zinc in all forms and compositions, and produces high-quality end products.

For more information: www.moxba.com.

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NORIT Activated Carbon

NORIT Activated Carbon is your partner for sustainable activated carbon based purification solutions.

We provide activated carbons, reactivation services, and rental filters for the production of potable water, beverage water, boiler feed water and recycled water, and for waste water treatment. As well for air purification, odour control, biogas purification and virtually all other activated carbon applications.

Our technical service and support helps our customers globally to meet their purification needs.

For more information: www.norit.com.

Norit Activated Carbon

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Phil Tomlinson
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Permavoid

Worldwide people are moving to large metropolitan areas, while at the same time our climate is changing. With an increase in paved areas and a decrease in green space we have to rethink the way we've been building cities.

Permavoid's mission is to bring green infrastructure back into the cities. By returning healthy plant growth into the built environment, natural ecosystem services can help mitigate the effects of increased urbanisation and climate change.

Permavoid products and systems create nature-based solutions for sustainable water management in cities. Our systems prioritise rainwater collection, storage, and reuse on-site, reducing reliance on potable water sources as well as creating cooling and healthy cities. Our circular approach includes urban trees, Blue-Green roofs, podium decks, gardens, sports pitches, and Sustainable Drainage Systems (SuDS) for water-sensitive design.

For more information: www.permavoid.com.

Representing QM Environmental
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QM Environmental International

QM is an environmental biotechnology company with a 25 year history of offering sustainable solutions for wastewater treatment, bioremediation, fat & grease, algae and odour control.

QM Environmental International works in close collaboration with clients in the industrial, public and governmental sectors. QM Environmental International is involved in extensive ongoing research to devise and develop new and improved bio-reagents and techniques to help tackle the world's pollution problems.

QM Environmental International offers a wide range of solutions for environmental issues that will help improve the quality of life in densely populated areas.

QM's sustainable biotechnological environmental solutions are supported by an in house laboratory and experts in the field of bioaugmentation and bioremediation.

Since its inception a distribution network has been established in over 20 European countries and export to the Middle East and Africa has been realised.

For more information: www.qmes.eu.



Representing Salttech
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Salttech

At Salttech, we specialise in Dyvar®, a one-step concentration and crystallisation process combining robust evaporation with integrated crystallisation capabilities. We offer clients a value-creating, scalable, and proven solution for concentration of complex brines, with the possibility of (fractional) crystallisation. Our technology achieves high water recovery while minimising operational issues such as corrosion and clogging.

Salttech

Madame Curieweg 4
8501 XC Joure
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Improve your brine processing with Dyvar®

We work with the following Dyvar® applications;

Dairy Industry Applications

- **Organic-Rich Brine Treatment:** Concentrates and crystallises reverse osmosis (RO) and electrodialysis (ED) concentrates, as well as mixed brines containing organics.
- **Waste Minimization and Resource Recovery:** Reduces overall waste volume and disposal costs, enabling recovery of water and minerals.

Process Industry Applications

- **RO and Acidic Stream Concentration:** Concentrates reverse osmosis (RO) brines and acidic production streams reducing liquid waste volumes.
- **Fractional crystallisation:** Conditions chemical mother liquors through advanced fractional crystallisation.
- **Resource Recovery and Cost Reduction:** Lowers disposal and incineration costs enabling recovery of components and water.

Oil and Gas Applications

- **Concentrates produced water from oil and gas operations,** enabling water recovery for reuse in upstream production and extraction of minerals.
- **Processes flowback water from hydraulic fracturing,** recovering both water and dissolved salts.

Mining Applications (Coal, Copper, Lithium)

- **Brine Concentration and crystallisation:** Effectively concentrates and crystallises reverse osmosis (RO) brines generated from coal and copper mining operations.
- **Waste Volume Reduction:** Reduces waste volume, minimising disposal costs and extending the operational lifespan of brine storage ponds.
- **Lithium Brine Optimisation:** Enhances lithium extraction by enabling efficient water recovery and selectively removing primary salts from lithium-rich brines prior to downstream processing.

Landfill Applications

- **Leachate Brine:** Concentrates and crystallises reverse osmosis (RO) brines derived from landfill leachate treatment.
- **Cost-Efficient Waste Reduction:** Reduces waste volume, lowering incineration and disposal costs.

For more information: www.salttech.com.



Tible

Tible is a Dutch IT company specializing in digital solutions that drive sustainability and circular systems. Since 2009, Tible has become a trusted technology partner in the field of Deposit Return Systems (DRS), offering platforms that streamline operations across the recycling value chain.

A flagship product is the Reverse Vending Collector (RVC), a vendor-neutral platform that collects and centralizes data from reverse vending machines, distribution centers, and retailers. RVC ensures accurate counting, real-time reporting, and seamless communication across systems—empowering producers, retailers, and governments to run efficient DRS schemes.

Another key solution is HAWK-DRS, designed for producer responsibility organizations (PROs) to manage declarations, return flows, and financial settlements. It supports secure data handling, smart validations, and ISO 27001-compliant infrastructure.

Expanding beyond DRS, Tible launched its SecDesk brand, offering cybersecurity and testing services such as penetration testing, phishing simulations, and accessibility audits. These services help clients meet legal requirements like the European Accessibility Act.

Tible blends technical expertise with a client-first approach, using Agile methods and strong SLA-backed support. It serves clients across Europe and Asia, while ensuring all hosting and data processing remain within the EU.

By combining innovation with compliance, Tible helps organizations become more sustainable, secure, and future-ready—accelerating the shift to a circular and digital economy.

For more information: www.tible.com.

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The Netherlands Business Support Office | Lyon



Netherlands

About NBSO Lyon | South East France

As part of the Netherlands Enterprise Agency (RvO), **NBSO Lyon** supports Dutch entrepreneurs in exploring and expanding their business in one of the most dynamic regions of France: **South East France**. Based in Lyon, we offer free, tailored advice on market opportunities, regulations, and local business culture. We connect companies to valuable networks, support matchmaking, and organise participation in trade missions and key events.

The South-East region is a **hub for innovation and sustainability**, with strong sectors such as mobility, cleantech, life sciences & health, circular economy, and smart industry. Our close ties with local stakeholders help Dutch businesses tap into these opportunities effectively.

NBSO Lyon | South East France is represented by **Stefano Oosthof** and **Astrid Laurans**, who combine their regional expertise to guide Dutch companies on the ground.

Scan the QR code to get in touch!



NBSO Lyon | South East France

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NBSO Lyon Team

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Pollutec NL Pavilion collaboration partner

In organising the NL Pavilion at Pollutec Lyon, we worked closely with **Brigitte Duffhues** from the **Brabant Development Agency (BOM)**. BOM supports innovative companies from the Brabant region by providing expertise, capital, and access to networks, fostering sustainable growth and internationalisation.

Brabantse Ontwikkelings Maatschappij



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NL

Netherlands