

Netherlands Economic Mission to Sweden and Finland

04 - 08 November 2024



Netherlands

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Foreword



Reinette Klever
Minister for Foreign Trade
and Development

It is my great pleasure to welcome you to the economic mission to Sweden and Finland. I am pleased to announce that this will be my first economic mission as Minister of Foreign Trade and Development.

Although I will only be able to join you for the visit to Sweden, I want to emphasize that the business and cooperation opportunities in the Nordic region are promising. Both countries share a strong focus on innovation, paving the way for bilateral projects in areas such as energy transition, digital transformation, life sciences and health and the development of future-proof technologies.

As outlined in our government's program, we are committed to enhancing our energy independence, focusing on the energy transition and green growth. As such, this mission will center around the themes of hydrogen and battery technology. During this mission, I will also visit and engage with Dutch business delegations at the BIO-Europe Congress in Stockholm, one of the most prominent conferences in the field of biotechnology and life sciences in Europe.

The Dutch hydrogen sector offers significant international opportunities, thanks to its advanced technological infrastructure, such as electrolysis capacity and hydrogen storage. Our country benefits from a favorable geographical position and a

network of ports and pipelines that enable hydrogen distribution. This positions the Netherlands as a key player in the present and future global energy market.

Various forecasts show that global demand for batteries will increase in the coming years. Several initiatives are being developed to stimulate battery production within the EU. Aiming to reduce dependency on other regions. An important opportunity for Dutch businesses lies in supplying high-tech battery components to large battery factories.

I am proud to be accompanied by a Dutch business delegation of companies and organizations with world leading expertise in hydrogen and batteries. Our time here will provide an excellent opportunity to exchange views and establish connections with local key players and counterparts in these fields, to the benefit of the economies of both our countries.

I wish you an inspiring and successful mission.

Reinette Klever

*Minister for Foreign Trade and Development
of the Kingdom of the Netherlands*

Foreword



Ingrid Thijssen
President VNO-NCW

It is a great honor to lead the Dutch businesses delegation on this trade mission to Sweden and Finland. Both countries share a strong focus on innovation and sustainability, making them excellent partners for collaboration on key topics such as battery technology, and hydrogen.

The Netherlands has long-standing trade relations with both Sweden and Finland. These relationships continue to thrive, particularly in areas of technological advancement and green energy.

Our joint focus on sustainability opens up significant opportunities for strengthening ties, especially in the development of climate-neutral hydrogen value chains. With the integration of offshore wind and the import of hydrogen from global sources, the Netherlands is at the forefront of the hydrogen economy. The Port of Rotterdam serves as a crucial hydrogen hub for Europe, offering best practices and numerous opportunities for further cooperation.

Battery technology is another field that offers substantial potential for cooperation. As the demand for electrification in transport grows, so too does the need for advanced, circular battery technology. The Netherlands is home to a wealth of expertise in this sector, and we are eager to collaborate with Swedish and Finnish companies on developing smart battery solutions that can address energy shortages and grid challenges.

In Stockholm I will also visit the BIO Europe fair. Biotechnology presents substantial opportunities for collaboration between Sweden and the Netherlands, we emphasize both the economic and societal value of biotechnology.

I look forward to working with you to make this mission a success. If you have any questions, please do not hesitate to contact me. I wish you all an inspiring and productive mission.

Ingrid Thijssen

*President of the Confederation of Netherlands Industry and Employers
VNO-NCW*



Map of the Netherlands

Locations

- | | |
|--|----------------|
| 1. Amsterdam
(and Airport Schiphol) | 9. Haarlem |
| 2. Arnhem | 10. The Hague |
| 3. Assen | 11. Leeuwarden |
| 4. Breda | 12. Lelystad |
| 5. 's Hertogenbosch | 13. Maastricht |
| 6. Eindhoven | 14. Middelburg |
| 7. Enschede | 15. Rotterdam |
| 8. Groningen | 16. Utrecht |
| | 17. Zwolle |



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.



Worldwide ranking

1st

Largest flower exporter
(Source: OEC, 2022)

4th

Largest exporter of goods in the world, 934,57 billion US dollars
(Source: Statista, 2023)

7th

on the Global Innovation Index
(Source: WIPO, 2023)

3rd

Largest exporter of agricultural products in the world
(Source: WUR/CBS, 2023)

4th

Leading economy worldwide by Foreign Direct Investment (FDI) inward stock, 2,86 trillion US dollars
(Source: Statista, 2023)

9th

on the World Competitiveness Ranking
(Source: International Institute for Management Development, 2024)

4th

Largest importer of goods in the world, 842.05 billion US dollars
(Source: Statista, 2023)

6th

Greatest place to live
(Source: World Happiness Report, 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 Papiamentu

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%



Sweden, Finland & the Netherlands

Powering change with hydrogen and batteries for clean energy

Sweden, Finland, and the Netherlands share a vision for a resilient, progressive future, driven by innovation and clean energy technologies. While geographically separated, these nations are closely connected by their shared commitment to the clean energy transition. As open and forward-thinking economies, they have a long-standing tradition of collaboration and shared goals. Through this mission, they are focusing on hydrogen and battery technologies, essential for changing the future. Together, they aim to exchange knowledge, best practices, and innovative solutions, building strong partnerships to accelerate the development of hydrogen and battery technologies. By working closely, Sweden, Finland, and the Netherlands are paving the way for clean energy solutions that will contribute to energy independence.

The Netherlands as a Nordic sustainable partner

The Netherlands and the Nordics have established strong economic and knowledge partnerships, collaborating on renewable energy, sustainable technologies, and innovative practices to drive the energy transition. The Netherlands is recognised for its expertise in hydrogen production and battery technology, making it an ideal partner for Nordic countries like Sweden and Finland. Additionally, we serve as a strategic gateway to European markets, enhancing trade and investment opportunities.

Hydrogen

Hydrogen has emerged as a cornerstone of the energy transition, with Sweden, Finland and the Netherlands playing key roles. Nordic's abundant renewable energy resources, particularly wind and hydropower, position it to lead in clean hydrogen production, backed by ambitious climate goals for carbon neutrality. However, both regions face challenges in developing the necessary infrastructure and efficient production methods. By leveraging both Sweden's and





Finland's renewable energy potential and the Netherlands' expertise in industrial processes, they can address common issues, such as skilled labour shortages and technological advancements. Together, they aim to create a robust hydrogen ecosystem that meets local energy demands and establishes them as leaders in the global hydrogen market, contributing to a cleaner energy future for Europe.

Batteries

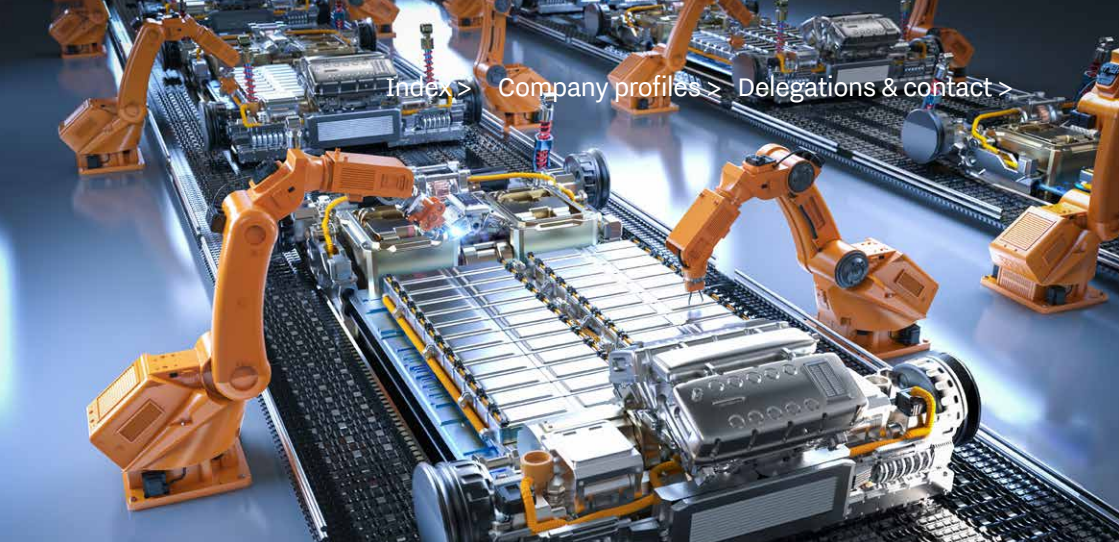
Like the Netherlands, the Nordics are leading the charge in the battery sector, driven by a strong commitment to a future-proof energy system. Countries like Sweden and Finland are investing in battery production, capitalising on their rich mineral resources and innovative technologies. This region is well-positioned to address the increasing global demand for batteries, especially as electric vehicles and renewable energy systems grow in popularity. Sweden, Finland and the Netherlands are working to establish a durable circular economy for batteries, focusing on recycling and sourcing of raw materials. By partnering together, they can leverage their strengths - Nordic's production capabilities and the Netherlands' expertise in logistics and innovation - to create a comprehensive and battery ecosystem that supports the energy transition and drives economic growth in both regions.

Company profiles

Battery technology

Hydrogen

Partners



Battery technology

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Alius Energy NL



Jasper van de Ven
International Business
Developer
+31 6 1338 9890
jasper.vandeven@alius.nl

We are Alius, the specialist in sustainable energy and heating solutions. As a consulting wholesaler and knowledge centre, we've been delivering positive energy to the world since 2007. We are constantly seeking knowledge, ideas, and solutions to simplify the energy transition. At Alius, installers and wholesalers can find a full range of sustainable products in electricity, storage, and heating. We offer comprehensive solutions, including solar panels, inverters, charging stations, battery systems, and heat pumps.



Harm Box
International Account
Manager
+31 6 1859 4086
harm.box@alius.nl

Our in-house developed Aelex inlay mounting system provides solutions for various roof types, including a safe and fire-resistant in-roof option. With our PVT system, Volthera, we offer a sustainable two-in-one solution, generating both electricity and thermal energy (heat) from the roof.

Are you an installer or SME facing a complex energy challenge? At Alius, we're here to help! Through collaboration and advice, we can support you with complex issues such as capacity expansion, grid congestion, or making entire business premises more sustainable.



Alius
Meerheide 101
5521 DX Eersel
The Netherlands
www.alius.nl
<https://alius-shop.com>

We believe in sharing our years of knowledge and experience with our partners. That's why we offer support through training, project planning, and service. Together, we make the world a little better, for ourselves and future generations.

ALL CHIEFS



Manuel Harmsen

Partner

+46 739 974 009

[manuel.harmsen@](mailto:manuel.harmsen@allchiefs.nl)

allchiefs.nl

AllChiefs

AllChiefs is a B-Corp management consultancy headquartered in Rotterdam, with a team of 60 consultants. We specialise in sustainable logistics, helping companies decarbonise their global supply chains, from strategy and target setting to implementation. Our mission is to guide organisations in becoming leaders of change.

At AllChiefs, we believe people are the key to success. We bring teams together, challenge the status quo, offer support, and accelerate progress. Our services include logistics emissions calculation and reporting, sustainability strategy development, target setting, roadmap creation, change management, and GHG insetting.

We're not just consultants—we're visionaries and builders, committed to driving sustainable change.



AllChiefs

Stationsplein 45

3013 AK Rotterdam

The Netherlands

<https://allchiefs.nl/en/>



Gerhard Bauhuis

Application Development
Specialist

+31 6 8144 7665

[G.Bauhuis@](mailto:G.Bauhuis@Bronkhorst.com)

Bronkhorst.com

Bronkhorst High-Tech

Bronkhorst High-Tech is a leading manufacturer in the field of flow measurement and control technology. With more than 40 years' experience, we offer an extensive product range of thermal, Coriolis and ultrasonic flow meters and controllers for low flow rates of gases and liquids.

Bronkhorst focuses on renewable energy applications. Hydrogen is an important gas and secondary batteries are required. For almost every new energy application, accurate flow, pressure or dosing control is an essential factor in research and development, in the production of system components, in the control engineering of plants and in test and validation systems.

Examples of successful applications of Bronkhorst instruments include: Fuel Cell testing, Electrolyzer stack testing, Li-Ion battery production, mixing hydrogen with natural gas, catalyst research, and many others.

By sharing our knowledge and closely cooperating with OEM customers, we develop customer specific low flow solutions, e.g. of multi-functional, pretested modules or skids for gas, liquid or vapor flow control.

With our headquarters based in Ruurlo (The Netherlands), Bronkhorst is represented by 12 wholly owned subsidiaries in Europe, in the USA and in Asia and additionally by a network of distributors in more than 30 countries worldwide.



Bronkhorst High-Tech

Nijverheidsstraat 1a

7261 AK Ruurlo

The Netherlands

www.bronkhorst.com

To serve customers in Sweden and Finland, we are represented by Omniproces AB in Solna, Sweden and by YTM-Industrial Oy in Vantaa, Finland.



Carteman Ventures

Unleashing the Power of Deep Technology Innovation

Carteman is dedicated to investing in IP-based (pre-) seed and early-stage deep technology start-ups, as well as later-stage scale-ups. We take pride in leading many of our ventures' next rounds by committing early, demonstrating our commitment to their success.



Marcel van der Schaaff

Founder / Managing Partner

+31 6 5397 0864

[m.vanderschaaff@
carteman.nl](mailto:m.vanderschaaff@carteman.nl)

Energy Generation & Conversion, Energy Storage, Energy Transmission & Distribution & Artificial Intelligence: Pioneering Disruption

We seek out innovation and technology that enhances the yield of sustainable energy sources such as solar, wind, geothermal, and tidal power, as well as enables the change to a rapid transformation to a sustainable energy eco-system by solving grid congestion (i.e. innovation in Dynamic Line Rating & Power Flow Control). Additionally, we invest in advancements in storage technology, including heat (thermal) storage, battery storage, hydrogen storage, and more. Furthermore, we actively support the development of Artificial Intelligence technologies and applications that drive efficiency and effectiveness in product and service deployment.



Diederik Huszar

Advisor

+31 6 2061 4738

[diederick@
batterijvoorthuis.com](mailto:diederick@batterijvoorthuis.com)



Carteman Ventures

Bartolottilaan 13

3768 GA Soest

The Netherlands

www.carteman.nl



E-magy



**Fergal Harrington
Beatty**

Head of Business
Development

+47 921 950 036

fergal@e-magy.com

E-magy is a supplier of innovative nano-porous silicon anode material for the next generation of high-energy (40% higher energy density) and faster (3x) charging lithium-ion batteries, enabling improved and never-before-seen consumer electronic products. Based in the Netherlands, our material is produced in-house using low-cost and widely available metallurgical silicon. We use a patented sustainable production process, which is highly scalable and produces little CO2 compared to equivalent technologies.



E-magy

Bijlestaal 54A

1721 PW Broek op Langedijk

The Netherlands

www.e-magy.com



Sandra Wiegman

Lead Business

Development

+31 6 1086 8996

[Sandra@](mailto:Sandra@kalpana-systems.com)

kalpana-systems.com

Kalpana Systems

Kalpana Systems is a manufacturer of thin film deposition machines for the coating of flexible substrates used in many different markets, like photovoltaics, OLEDs, sustainable packaging and batteries.

Kalpana Systems has developed a novel roll-to-roll spatial Atomic Layer Deposition (ALD) technology with throughput and up-time at industrial standards. Among thin-film coating technologies, ALD is the one that delivers superior coating conformality, density and stoichiometry while the product remains at atmospheric pressure and low temperature. In combination with the high material efficiency this leads to a reduced total cost of ownership. The large variety of materials which can be deposited and the absence of defects in the coating create opportunity for many applications, including applying ultra-thin barrier layers on different components of the battery stack. This can improve stability and performance of many different battery architectures, from state-of-the-art lithium-ion to solid-state batteries.

Kalpana System is looking for partners to further develop their superspatial ALD technology for the production of next gen batteries.



Kalpana Systems

Molengraaffsingel 10

2629 JD Delft

The Netherlands

www.kalpana-systems.com



LionVolt



Kevin Brundish

CEO

+44 7876 711034

kevin@lionvolt.com

LionVolt is developing a 3D anode architecture which can be applied to increase the energy density of lithium-ion and sodium-ion battery cells and can be used to enable solid-state batteries.

LionVolt's first product is a 3D lithium-metal anode which increases the energy density of a li-ion cell by >50% and supports very fast charging. The 3D lithium-metal anode can be dropped into the existing battery cell manufacturing process. Additionally, the anode manufacturing is based on a roll-to-roll structuring process which is highly cost competitive and scalable. The technology has been successfully demonstrated and LionVolt is currently building a production scale pilot line to further test its technology with customers. The objective is to further scale up the 3D lithium-metal anode production capacity in the next years to GWh-scale.

LionVolt is headquartered in the Netherlands and has a cell production line in the UK. A total of 40 FTE work for the company today.



LionVolt

High Tech Campus 27

5656 AE Eindhoven

The Netherlands

www.lionvolt.com



Maandag Interim Professionals



Isac Isason

Sales Manager

+46 73 9060 928

isac.isason@maandag.com

Maandag® brings a unique value to the Swedish market by combining local presence with a powerful international network. With offices in Stockholm and Skellefteå, Maandag® is deeply integrated into Sweden but stands out by offering access to a vast network of white-collar professionals from the Netherlands, Belgium, Poland, and Dubai. This international reach enables Maandag® to deliver specialized IT and engineering professionals, particularly suited for the growing demands in Sweden's sustainable industries.

What sets Maandag® apart is its ability to provide both local knowledge and global expertise. The company not only strengthens teams with top-tier professionals but also ensures swift and efficient staffing solutions, leveraging its broad international experience. Whether it's short-term project support or long-term staffing needs, Maandag® offers flexible, tailored solutions that help Swedish companies stay competitive.

By delivering highly qualified white-collar professionals with a focus on IT and engineering, Maandag® addresses talent shortages, helping organizations drive innovation and maintain efficiency. Combining local expertise with global resources, Maandag® offers flexible solutions for both project-based and long-term needs. Our wide-ranging talent pool ensures Swedish companies can access the right professionals, making Maandag® a key partner in Sweden's evolving industries through its international network.



Maandag Nordic

Birger Jarlsgatan 57

113 56 Stockholm

Sweden

www.maandag.com



Marcel Sparreboom

General Manager

+31 6 2288 0742

[marcel.sparreboom@](mailto:marcel.sparreboom@mannlines.nl)

mannlines.nl

Mann Lines

Mann Lines and its sister companies within the privately-owned Mann Group (UK) provide liner Roll on-Roll off, Container Logistics and Forwarding activities. Operating in UK, North European Continent, Baltic States, Scandinavia and Iberian Island using modern and flexible vessels, which enable fast and safe sea transport for a wide range of cargoes.

In addition through its Multimodal organization we offer additional services to transport and facilitate various type of commodities from land, sea and air.

Through our network of agents we have local presence in all major cargo hotspots. This ensures that your cargo is always in safe hands. We provide a big range of equipment suitable for various kinds of cargo.



Mann Lines

Veerhaven 7

3016 CJ Rotterdam

The Netherlands

www.mannlines.nl



Valentina D'Amelio
Technical Partner Energy
Transition
+31 6 2564 1858
vdamelio@nmi.nl

NMi Group

NMi Group is a leader in mission-critical product Advisory, Testing, Inspection, Certification, and Calibration (ATICC) services essential for asset management across various industries.

With a reputation for quality, NMi holds numerous accreditations and designations aimed at guaranteeing measurement accuracy and reliability in fast-growing markets driven by themes such as Energy Transition, Connectivity & Digitalisation and NextGen Mobility.

With strategic acquisitions and ongoing innovations, NMi Group is committed to playing a leading role in Measuring Tomorrow's equipment.

Specific about batteries and our future plan:
<https://nmi.nl/nmis-insights-on-the-battery-revolution-and-energy-transition/>



NMi Group
Thijsseweg 11
2629 JA Delft
The Netherlands
www.nmi.nl



Kasper Pijs

Sales Manager

+31 6 5464 8369

kasper.pijs@trescal.com

Trescal Benelux

Trescal is the global leader in calibration services, offering to an array of industries a single-source for measurement, repair and asset management across the globe.

Trescal is independent from any OEMs.

Our certified technicians and experts carry out calibration and test services, inter-laboratory comparisons (ILC) as well as primary reference material (PRM) calibrations.

Based on customer requirements, our service offering includes accredited and non-accredited services for:

- All measured variables whether physical, electrical or mechanical
- All OEM brands of measuring instruments



Trescal Benelux

Joseph Schumpeterstraat 10

7559 SG Hengelo

The Netherlands

www.trescal.com



Henk Stadhouders

New Business Development

Manager

+31 6 2036 0540

[henk.stadhouders@](mailto:henk.stadhouders@vdlletg.com)

[vdlletg.com](mailto:henk.stadhouders@vdlletg.com)

VDL ETG Projects

VDL ETG Projects is a contract manufacturing partner for development and build of special equipment for innovations & new technologies.

Our turnkey solutions and equipment range from proof of concepts, prototypes to industry ready production equipment.

We have a proven track record of developing, building and turnkey delivery of solutions within (ao) the following markets;

- Industrial (high speed) automation
- Battery production equipment
- Membrane stack assembly lines
- Waste to energy
- Hydrogen systems
- Thin film technologies
- Flexible electronics
- Atomic Layer Deposition (ALD) equipment
- Complex roll-to-roll production equipment

We have a dedicated project team of system architects, engineers and project managers to manage these development projects.



VDL ETG Projects

Wekkerstraat 1

5652 AN Eindhoven

The Netherlands

www.vdlletgprojects.com



Hydrogen

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APPM Management Consultants



Harm-Jan Idema

Partner

+31 6 4634 6024

idema@appm.nl



Birgit Henrich

Project manager/Advisor

+31 6 4785 6294

henrich@appm.nl

APPM is a fully independent and privately-owned management consulting firm with 28 years of experience. With a team of more than 100 managers and consultants, APPM Management Consultants aims to improve the quality of the physical environment in the Netherlands and beyond.

APPM has extensive experience in project and process management, effective stakeholder management, leading and guiding teams for public authorities on a daily basis as well as designing and executing workshops for teams, organizations, stakeholders and (political) managers/directors. Our strength lies in our professional, enthusiastic and practical method of realizing goals. Our main fields of expertise are smart and green mobility, infrastructure, spatial development, energy planning, energy infrastructure, real estate, climate adaptation and water safety. Through planning, development and restructuring we pursue a beautiful, climate resilient and sustainable country. In our work, we are used to taking the specific local situation and questions into account.

Established in the Netherlands, APPM has grown to an international scale with offices in the Netherlands and Belgium.



APPM Management Consultants

Spicalaan 8

2132 JG Hoofddorp

The Netherlands

www.appm.nl



Ballast-Nedam



Roland van der Pouw
Managing Director Energy
Transition
+31 6 5398 0649
r.vd.pouw@ballast-nedam.nl



Leo Wallin
Commercial Director
+46 704 152 602
l.wallin@ballast-nedam.nl



Ballast Nedam
Ringwade 71
3439 LM Nieuwegein
The Netherlands
www.ballast-nedam.com

Ballast Nedam is a Dutch construction and development company. For 147 years we have been exploring new ways of creating landmarks for a better living environment.

We focus on five transitions that represent the societal and environmental challenges we face and the solutions we want to offer:

- Energy transition to create a sustainable energy system.
- Urban development & construction to improve well-being for living and working.
- Infrastructure to enhance mobility and logistics.
- Water resilience to improve water supply and water protection, and
- Industrial renewals to enable industrial transitions.

Based in The Netherlands, we work both domestically and abroad. We continue to explore international opportunities. Our projects abroad are concentrated in Europe, Asia, the Caribbean and Africa.

With work together closely with our international parent organization Rönasans Holding and its group companies. We work with dedicated teams that fully focus on their markets and clients. This enables us to act with the agility of a local player and the strength of a large construction company. We can adapt the best practices of our international experience and bring our unique capabilities to the international markets we work in.

We are Ballast Nedam, we challenge to improve.



Peter Brouwer
Market Developer
Renewable Energy
+31 6 4109 4382
[P.Brouwer@
Bronkhorst.com](mailto:P.Brouwer@Bronkhorst.com)



Bronkhorst High-Tech

Nijverheidsstraat 1a
7261 AK Ruurlo
The Netherlands
www.bronkhorst.com

Bronkhorst High-Tech

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To serve customers in Sweden and Finland, we are represented by Omniproces AB in Solna, Sweden and by YTM-Industrial Oy in Vantaa, Finland.



Gerwin Mennega

Business Manager

+31 6 5555 9044

[g.mennega@](mailto:g.mennega@groningen-seaports.com)

groningen-seaports.com

Groningen Seaports

Groningen Seaports is the commercial operator of the ports of Delfzijl and Eemshaven, including the adjacent industrial areas. The company offers a comprehensive range of port and logistics services to industrial and commercial clients. This includes infrastructure services, site management, and the allocation and maintenance of sites in both port regions.

Groningen Seaports plays a crucial role in the economic development of Northern Netherlands by creating clusters and collaborations in the fields of circular economy, bio-based chemical industry, and energy-related sectors. Key players such as ENGIE, Google, and RWE are established in this region, contributing to growth and innovation.

With excellent connections via rail, road, and water, the ports of Delfzijl and Eemshaven are easily accessible. Groningen Seaports strives for sustainable development, providing employment and value for both current and future customers and stakeholders.



Groningen Seaports

Handelskade Oost 1

9934 AR Delfzijl

The Netherlands

www.groningen-seaports.com



Alfons Heetjans
Managing Director
+31 6 2240 5099
a.heetjans@heattec.nl

Heattec Heat Technology

Heattec is an engineering company which designs, built and resells industrial furnaces and burner equipment. We are the distributor and service partner of Swedish burner manufacturer Bentone. Bentone is a subsidiary of Swedish company NIBE, which has a strong focus on sustainable heating systems.

Bentone is an innovative burner manufacturer with a strong focus on sustainable burner solutions, such as burners for bio-oil, bio-gas and hydrogen. Heattec has made Bentone's gas burners suitable for hydrogen and is now realising green hydrogen projects with local hydrogen generation.

We have developed a alkaline hydrogen electrolyser that can produce hydrogen locally on demand, in a power range from 50 to 1.200 kW. The first pilot projects are already running on several industrial applications.

With our hydrogen solutions, we are able to make existing heating installations more sustainable and reduce emissions.



**Heattec Heat
Technology**
Spinding 30
5431 SG Cuijk
The Netherlands
www.heattec.nl



ING Wholesale Banking



Wouter Lakeman

Vice President
Hydrocarbons & New
Energies
+31 6 3807 9188
[Wouter.Lakeman@](mailto:Wouter.Lakeman@ing.com)
ing.com



Michael Fredlund

Head of Swedish
Representative Office
+46 709 355 255
[Michael.Fredlund@](mailto:Michael.Fredlund@ingbank.com)
ingbank.com

ING Wholesale Banking is a global bank with a strong European base, dedicated to empowering people to stay a step ahead in life and business. With a presence in over 35 countries and regions across EMEA, the Americas, and Asia Pacific, ING serves around 38 million customers worldwide, supported by 57,000 employees. ING has a dedicated Nordic team and representative office in Stockholm since 2015.

ING offers tailor-made financing solutions to the energy sector, including project financing, corporate lending, debt and equity market solutions, M&A, sustainable finance solutions, payments and cash management, and trade and treasury services. The bank prides itself on delivering tailored solutions to meet sector-specific needs, leveraging deep sector knowledge in hydrogen and the energy sector at large.

Sustainability is at the heart of ING's operations. The bank is committed to leading in environmental sustainability, working hand-in-hand with clients on their sustainability journeys. ING's is actively involved in large-scale project financings, including hydrogen, green ammonia, green methanol, and bio and synthetic fuels, with a special envelope of EUR 1 billion to support these initiatives.



ING Bank

Kungsgatan 8
111 43 Stockholm
Sweden
www.ingwb.com



Maandag Interim Professionals



Anne Willeboordse

Managing Director

+31 6 8190 7321

anne.willeboordse@maandag.com

Maandag® brings a unique value to the Swedish market by combining local presence with a powerful international network. With offices in Stockholm and Skellefteå, Maandag® is deeply integrated into Sweden but stands out by offering access to a vast network of white-collar professionals from the Netherlands, Belgium, Poland, and Dubai. This international reach enables Maandag® to deliver specialized IT and engineering professionals, particularly suited for the growing demands in Sweden's sustainable industries.

What sets Maandag® apart is its ability to provide both local knowledge and global expertise. The company not only strengthens teams with top-tier professionals but also ensures swift and efficient staffing solutions, leveraging its broad international experience. Whether it's short-term project support or long-term staffing needs, Maandag® offers flexible, tailored solutions that help Swedish companies stay competitive.

By delivering highly qualified white-collar professionals with a focus on IT and engineering, Maandag® addresses talent shortages, helping organizations drive innovation and maintain efficiency. Combining local expertise with global resources, Maandag® offers flexible solutions for both project-based and long-term needs. Our wide-ranging talent pool ensures Swedish companies can access the right professionals, making Maandag® a key partner in Sweden's evolving industries through its international network.



Maandag Nordic

Birger Jarlsgatan 57

113 56 Stockholm

Sweden

www.maandag.com



Nedstack Fuel Cell Technology



Jérôme Vinke

Sales Manager Stationary

Fuel Cell Systems

+31 6 1501 3320

[jerome.vinke@](mailto:jerome.vinke@nedstack.com)

nedstack.com

Carbon Technology Energies is an expert in the R&D and manufacturing of carbon-based cell plates for the energy transition. Under the name Nedstack Fuel Cell Technology, we develop and produce high power, heavy duty LT-PEM fuel cell stacks, systems and solutions. With 25 years of experience in industrial and maritime applications, Nedstack is leading the way for heavy-duty PEM fuel cell technology.

Our technology is already used in both sea-going and inland shipping, as combined heat-and-power plants and datacentre back-up power systems. Our fuel cells can run on waste-stream or for instance reformat hydrogen as well as on pure hydrogen sources.

Our systems and solutions are developed in-house by our multi-disciplinary engineering teams and build together with application and system integration experts. The core technology of fuel cell stacks is both developed and manufactured at our R&D and production locations in Arnhem.



**Carbon Technology
Energies**

Westervoortsedijk 73-VB

6827 AV Arnhem

The Netherlands

www.nedstack.com



Arne Prins

Senior Expert Oil&Gas
+31 2702 0364
aprins@nmi.nl

NMi Group

NMi Group is a leader in mission-critical product Advisory, Testing, Inspection, Certification, and Calibration (ATICC) services essential for asset management across various industries.

With a reputation for quality, NMi holds numerous accreditations and designations aimed at guaranteeing measurement accuracy and reliability in fast-growing markets driven by themes such as Energy Transition, Connectivity & Digitalisation and NextGen Mobility.

With strategic acquisitions and ongoing innovations, NMi Group is committed to playing a leading role in Measuring Tomorrow's equipment.

Specific about batteries and our future plan:
<https://nmi.nl/nmis-insights-on-the-battery-revolution-and-energy-transition/>



NMi Group

Thijsseweg 11
2629 JA Delft
The Netherlands
www.nmi.nl



Charlotte Herman
Project Manager Energy
Transition & Sustainability
+32 479 614 432
charlotte.herman@northseaport.com



North Sea Port
Schelpenpad 2
4531 PD Terneuzen
The Netherlands
www.northseaport.com

North Sea Port

North Sea Port is a Western European port that extends over more than 60 kilometers and two countries: Belgium and the Netherlands. Thanks to its location on the North Sea, the port is directly accessible to maritime shipping, benefiting global trade.

Its central location in Europe makes North Sea Port a logistics hub through which goods flow smoothly to every corner of Europe and even to China. North Sea Port is also part of the North Sea-Rhine-Mediterranean and North Sea-Baltic transport corridors, ensuring that goods can be delivered efficiently to their final destinations by rail, road and/or inland waterway. Its location, multimodality and diversification in goods make North Sea Port an important European port and with €12.7 billion added value the third most important in Europe in terms of added value.

North Sea Port is resolutely committed to becoming a climate-neutral port by 2050. As a frontrunner in the energy transition, we are investing in groundbreaking energy projects for CO2 reduction, heat, electrification, hydrogen and renewable energy. What's more, currently North Sea Port is the largest hydrogen hub in the Benelux region: companies in the port area produce and consume 580 kilotons of hydrogen every year and we have the ambition to remain a European leader in hydrogen and renewable energy. North Sea Port is also home to a diverse industry cluster. This makes us a leader in the circular revolution: we encourage the development of circular chains in which raw materials and products are continuously reused, and we connect all players involved. In this way, we are working together with companies in and around our port area to achieve the climate objectives.



Getting new energy done.



Merijn Havinga

International Business

Developer

+31 6 1538 7268

[Merijn.Havinga@](mailto:Merijn.Havinga@novar.energy)

[novar.energy](mailto:Merijn.Havinga@novar.energy)



Jenny Alvstråle

Senior Business Developer

Sweden

+46 700 72 38 36

[jenny.alvstrale@](mailto:jenny.alvstrale@novar.energy)

[novar.energy](mailto:jenny.alvstrale@novar.energy)



Novar

Emmasingel 4

9726 AH Groningen

The Netherlands

www.novar.nl

Novar

As the market leader in the Netherlands, we realise major turn-key projects for solar energy, energy storage, smart grids, and more. Every asset we deliver contributes to your green energy system—from clean generation and storage to smart delivery and management. With over 600 projects currently under development, we are building reliable and affordable energy solutions tailored to your organisation's sustainable goals, ensuring your energy supply grows with you. We drive your energy transition, from A to Zero.

Since 2023, we have expanded our operations to Sweden, Germany, and France to further increase our impact on a sustainable future. These markets allow us to deliver even more large-scale energy solutions and contribute to a cleaner planet.

Beyond development, we also manage and maintain our projects, using smart systems to optimise performance. We tackle every challenge, even if it's never been done before. For example, we built the world's largest solar carport and the first large-scale solar thermal park in the Netherlands.

Novar works with local grid operators and commercial and industrial clients (CI). Whatever challenge you face, we find the solution with years of experience and cutting-edge technology.

Novar

Getting new energy done.



Drieuwes de Jongh

Head Business Development

+31 6 2505 1390

[dejongh@](mailto:dejongh@ogcleanfuels.com)

[ogcleanfuels.com](mailto:dejongh@ogcleanfuels.com)

OG Clean Fuels

OG Clean Fuels owns and develops refueling and charging infrastructure for clean fuels only. OG Clean Fuels currently has electric, hydrogen, bio-CNG, bio-LNG, HVO100 and liquid CO₂. We offer an appropriate fuel for every driver, making clean driving accessible to all.

OG Clean Fuels' ambition is to be Europe's largest clean fuels retailer. OG Clean Fuels will put more effort into building Dream stations in the coming years. A Dream Station is a station exclusively offering a mix of clean fuels, namely, Bio-CNG, Electric, Hydrogen, Bio-LNG and HVO100.



Pim van der Meulen

Trainee Business Developer

+31 6 1342 5199

[vandermeulen@](mailto:vandermeulen@ogcleanfuels.com)

[ogcleanfuels.com](mailto:vandermeulen@ogcleanfuels.com)



OG Clean Fuels

Pluto 3

8448 CM Heerenveen

The Netherlands

<https://ogcleanfuels.com>



Port of Amsterdam



Maurice Delattre

Area Manager Germany &

Central Europe

+31 6 3927 1782

[maurice.delattre@](mailto:maurice.delattre@portofamsterdam.com)

portofamsterdam.com

As the fourth largest port in Northwest Europe, the port of Amsterdam is a leading player in the international world of transport and logistics and is historically characterized by a strong energy cluster. Due to the presence of industry, Schiphol airport, as well as a dynamic seaport, the North Sea Canal Area (NCSA) has a unique proposition. The strategic and central location within Europe makes the port region widely accessible and ensures excellent connections to all major European markets.

By setting concrete strategic goals aimed on growth of alternative fuels, expansion of sustainable energy carriers and reduction of CO2 emissions, Port of Amsterdam puts great efforts in establishing the NCSA as a sustainable and economic energy cluster for Northwest Europe. Renewable energy and renewable raw materials are the essential pillars for a new energy and industrial system to be built. Therefore, Port of Amsterdam is actively engaged in forming public and private partnerships to foster collaboration along the entire value chain with the goal of accelerating the energy transition.



Port of Amsterdam

De Ruijterkade 7

1013 AA Amsterdam

The Netherlands

www.portofamsterdam.com



RWE

RWE is a world leader in renewables and energy production with headquarters in Essen, Germany.



Lijs Groenendaal

Director Hydrogen
Development
the Netherlands
+31 6 1057 9489
[lijs.groenendaal@
rwe.com](mailto:lijs.groenendaal@rwe.com)



Fredrik Uggeldahl

Senior Project Manager
Hydrogen Sweden
+46 768 819 201
[fredrik.uggeldahl@
rwe.com](mailto:fredrik.uggeldahl@rwe.com)



RWE

Central Park Utrecht
Stadsplateau 37
3521 AZ Utrecht
The Netherlands
www.benelux.rwe.com

RWE leverages innovation and investment as the basis for a carbon-neutral future and aims to be climate neutral by 2040. By 2030, RWE wants to be one of the world's largest producers of electricity from renewable energies and aims to invest more than 50 billion euros in offshore and onshore wind power, solar, batteries, flexible generation and hydrogen, expanding its capacity in these areas up to 50 gigawatts.

The Netherlands is one of the core markets for RWE where this expansion is underway. For Hydrogen - RWE is active in over 30 major hydrogen projects across its core markets (Germany, Netherlands and UK), and has great ambitions to be a key player in the hydrogen economy.

The head office of the company is based in Essen, NRW, also seat of the global Hydrogen Hub - where the teams are developing the Hydrogen projects. The Dutch Hydrogen team is based out of Utrecht, a joined office between the renewables and hydrogen teams.

In addition to our teams in Germany and the Netherlands we have started with a small team of Business Developers based in Sweden.

RWE Renewables Sweden AB

Pildammsvägen 6B
Malmö
Sweden
se.rwe.com



Partners

RAI Automotive Industry NL	45
VNO-NCW	46



Pim Grol

Managing Director

+31 6 1768 7698

p.grol@raivereniging.nl



Bram Hendrix

Program Manager

Internationalisation

+31 6 2835 9964

b.hendrix@raivereniging.nl



RAI Automotive Industry NL

Automotive Campus 30

5708 JZ Helmond

The Netherlands

www.rai-automotiveindustry.nl

RAI Automotive Industry NL

RAI Automotive Industry NL is the leading cluster organization of the Dutch Automotive- and Mobility ecosystem. Our focus is on global automotive and mobility solutions by joining forces with industry members and stakeholders and acting as a catalyst in the fields of innovation and education.

We are also one of the founding partners of the Battery Competence Cluster (BCC-NL). The Battery Competence Cluster - NL is the innovation program for companies, knowledge institutions and organizations that want to work together to acquire knowledge and develop skills in the field of battery technology.

Our ambition

Cluster organization RAI Automotive Industry NL facilitates a network of companies, active in the Dutch Automotive and Mobility Industry, that maintain and strengthen their international innovative lead through mutual cooperation and collaboration with government and knowledge institutions.

According to the Global Innovation Index (PwC), the Automotive Disruption Radar (Roland Berger), and the Autonomous Vehicles Readiness Index (KPMG), the Netherlands is one of the most innovative countries in the world.

In addition, making a social contribution plays an important role and therefore all activities are aimed at realizing the following ambitions:

Zero emission, zero congestion, zero accidents.

VNO NCW

VNO-NCW



Ingrid Thijssen
President VNO-NCW

The Confederation of Dutch Industry and Employers (VNO-NCW) is the largest employers' organization in the Netherlands. We advocate for the interests of businesses across all sectors, from small and medium enterprises to multinational corporations.



Mirian Keuning
Deputy Director
International Affairs
+31 6 1379 9869
keuning@vnoncw-mkb.nl

Our membership consists of approximately 150 sector organizations and 190 individual companies, representing 90% of private-sector employment in the country.

VNO-NCW actively engages with government bodies, politicians, public authorities, trade unions, and non-governmental organizations to represent our members' interests. But our efforts extend beyond advocacy. We provide services and share insights to support entrepreneurs. We are dedicated to promoting a sustainable and inclusive business environment, ensuring that companies can succeed now and in the future.



Kees Bakhuis
Spokesperson
+31 6 1279 2151
bakhuis@vnoncw-mkb.nl

VNO-NCW is also involved with several international organizations, giving the Dutch business community a strong voice at both European and global levels, including through the International Labour Organisation (ILO) and the OECD via BIAC.

VNO-NCW

Bezuidenhoutseweg 12
2594 AV The Hague
The Netherlands
www.vno-ncw.nl

Official delegation & contact details

Ministry of Foreign Affairs

Ministry of Economic Affairs I
Netherlands Enterprise Agency

Embassy of the Kingdom of
the Netherlands in Sweden

Embassy of the Kingdom of
the Netherlands in Finland

Official delegation

Ministry of Foreign Affairs

PO Box 20061
2500 EB The Hague
The Netherlands
[www.government.nl/
ministries/bz](http://www.government.nl/ministries/bz)



Reinette Klever

Minister for Foreign Trade and
Development



Nienke Dekens

Private Secretary

+31 6 2572 5270
nienke.dekens@minbuza.nl



Chris Bakker

Spokesperson

+31 6 5250 3745
chris.bakker@minbuza.nl



Marc Hasselaar

Deputy Director International
Enterprise Department

+31 6 2297 7536
marc.hasselaar@minbuza.nl



Margot Bolhuis

Policy Officer

+31 6 2571 8510
margot.bolhuis@minbuza.nl

Official delegation

Ministry of Economic Affairs |
Netherlands Enterprise
Agency

PO Box 93144
2509 AC The Hague
The Netherlands
<https://english.rvo.nl>



Hanneke Bogaerts

Project Manager Economic Missions

+31 6 4615 2480

hanneke.bogaerts@rvo.nl



Stephanie Broeder

Program Coordinator Outgoing Missions

+31 6 2536 5738

stephanie.broeder@rvo.nl

Contact details

**Embassy of the Kingdom of
the Netherlands in Sweden**

Götgatan 16a

118 46 Stockholm

+46 855 693 300

sto@minbuza.nl

www.netherlandsandyou.nl



Joost Reintjes

Ambassador-designate

+46 855 693 300

sto@minbuza.nl



Kim de Jong

Deputy Head of Mission

+46 707 271 843

kim-de.jong@minbuza.nl



Eva Blom

Economy & Trade Officer

+46 704 405 577

eva.blom@minbuza.nl



John Dekker

Innovation Adviser

+46 733 530 911

john.dekker@minbuza.nl



Els Berkers

Business Development Officer - Nordics

+46 709 959 454

els.berkers@minbuza.nl



Hanna Peterson

Political Affairs & Public Diplomacy

+46 721 505 459

hanna.peterson@minbuza.nl

Contact details

Embassy of the Kingdom of the Netherlands in Finland

Erottajankatu 19B

00130 Helsinki

Finland

+358 9 228 920

HEL@minbuza.nl

www.netherlandsandyou.nl



Govert Jan Bijl de Vroe

Ambassador

+358 9228 92 201

gj.bijl-de-vroe@minbuza.nl



Lieske de Krijger

Deputy Head of Mission

+358 9228 92 202

lieske-de.krijger@minbuza.nl



Miina Ojanperä

Senior Economic Officer

+358 40 569 9899

miina.ojanpera@minbuza.nl



Elsa Rinta-Kanto

Economic Officer, Sustainable Batteries

+358 40 678 9881

elsa.rintakanto@minbuza.nl



Ilona Jääskeläinen

Communications & Public Diplomacy Officer

+358 40 569 2161

ilona.jaaskelainen@minbuza.nl

Publication

Netherlands Enterprise Agency
The Hague, the Netherlands
nlbranding@rvo.nl

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[#CleanEnergyFinland](#)