

Meet the Israeli delegation

# Israel Hydrogen Mission to the Netherlands

15-19 May 2022



Netherlands



## Foreword

### Welcome to the Netherlands!

The Embassy of the Kingdom of the Netherlands identified Climate Change and Energy Transition in general and Hydrogen specifically as high priorities for our cooperation with Israel. In this regard, in 2020-2021 we organized a series of Dutch Israeli mini symposia during which we have trained hundreds of Dutch and Israeli experts and professionals on green hydrogen generation, transportation, storage and uses. We also co-organized with the Energy Delta Institute and the New Energy Coalition a Dutch summer school on the design and planning of hydrogen valleys and assisted Dutch and Israeli companies interested in developing innovation cooperation in the field of hydrogen.



H.E. Hans Docter

Through these activities the Netherlands has transferred significant knowledge to Israel and is exploring ways to tap into Israel's innovation ecosystem to further boost the Dutch hydrogen economy. There are many Israeli technologies in fields related to the energy transition and the hydrogen ecosystem that could be of interest to Netherlands.

Therefore, we welcome the Israeli delegates to the Netherlands and wish them an enriching experience at our leading hydrogen-related infrastructure, technology, research and above all fruitful meetings with Dutch talent.

We at the Dutch embassy in Israel have a professional economic team comprised of experts in the field of Innovation, Foreign Direct Investment (FDI), and Trade & Commerce. We are looking to build pipelines from low Technology Readiness Levels (TLRs) to higher ones and subsequently from bilateral R&D and innovation cooperation to the identification of Israeli companies interested in investing in the Netherlands and becoming part of the Dutch ecosystem and to Dutch Israeli trade opportunities.

**H.E. Hans Docter**

Ambassador of the Kingdom of the Netherlands to Israel



## Foreword

The outbreak of COVID19 in Israel in March 2020 boosted an initiative I tried moving forward, namely the co-development of technologies to detect, diagnose, monitor COVID19. However, after a couple of months, it became clear to me that time was not ripe for bi- nor multi-lateral innovation cooperation to combat the pandemic, which hit both the Netherlands as well as Israel hard.



Dr. Racheli Kreisberg

It was then that I decided to explore the energy transition societal challenge which has been on my radar for a few years. As energy transition is very broad, I chose green hydrogen as the field of focus. The green hydrogen economy is comprised of its generation, transportation, storage and eventually its uses in mobility, industry, and in heating of private homes. It encompasses basic and applied research aimed at developing novel technologies, pilot projects during which novel technology is tested in larger settings, the development and reuse of infrastructure, training and educating people to develop a talent pool, reaching out to the general public to assure uptake of technology and the energy transition paradigm shift, and a deep understanding of the vast potential cross-border, regional, pan-European-Mediterranean cooperation.

The Netherlands Innovation Network of the Netherlands Ministry of Economy and Climate Policy is a network that resides in over 15 countries worldwide with around 60 innovation attachés (IA). As IA Israel, I enjoy the opportunity to link the Israeli innovation ecosystem to that of the Netherlands and vice versa. Israel's innovation ecosystem is comprised of 6,000 startups some of which turn into unicorns, 350 Multinational companies including Philips Healthcare, Venture Capitalists with excess of capital and one of the highest investing governments in R&D as a percentage of GDP, all of which boost its innovation pipeline. The Netherlands innovation ecosystem is one of the 5 most innovation systems based on the European Innovation Scoreboard 2021, with a strong public-private partnership, with multinational companies, such as Philips, ASML, NXP and Booking.com.

The complementarity between IL and NL, the eagerness to learn from each other, the active participation in the competitive Horizon Europe and Joint Technology Initiatives, the access to human capital and the wish to make a difference while addressing global challenges, are the foundations for a promising cooperation between IL and NL in the field of green hydrogen.

Considering that the NL has one of the largest Seaports in the world and that IL is developing strong relationships with Mediterranean Countries such as Morocco, and with Gulf countries, such as Bahrain and UAE, will enable the production of solar-based green energy, its transportation from the Middle East to NL, the gateway to Europe.

The program of the IL hydrogen delegation to NL has been co-organized with the New Energy Coalition (NEC) and the Technical University of Eindhoven (TU/e), as well as the Netherlands Enterprise Agency (RVO) of the Netherlands Ministry of Economy.

I personally wish to thank Ms. Christina Koutsomailis from RVO, Mr. Jochem Durenkamp from NEC and Dr. Mark Boneschanscher from TU/e for their professional work. And I welcome you to the Netherlands.

Dr. Racheli Kreisberg, Innovation Attaché, Netherlands Embassy in Israel

## Foreword

I am very pleased to be part of the Israeli delegation to visit the Netherlands with the aim to learn about Hydrogen. I am also thankful to the organizers and our hosts, who put in much effort to make this visit possible and successful.



Dr. Gideon Friedmann

Hydrogen is the most abundant element, but due to its reactivity it is only found in compounds with other elements. The Hydrogen cycle – Generation -> Handling: Storage and Transport -> Use - is challenging all around. The Netherlands is one of the leading countries to face these challenges on a large scale. Our visit is aimed at learning about these difficulties on one hand – with the hope to minimize them in the future – but on the other hand also to hear about the Netherlands' success stories, to get to know Dutch experts that are active in the field and to develop international cooperation with Dutch experts.. This delegation finally enables us to leave the Zoom studio and the virtual presentations, and to meet people and feel the real hydrogen world .

We are looking forward to an excellent learning experience!

Dr. Gideon Friedmann  
Chief Scientist Israeli Ministry of Energy

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# Delegation

## Bazan Group

The Bazan Group is the cornerstone of Israeli industry and is regarded as an economic powerhouse. Oil Refineries Ltd. (Bazan), located in the Haifa Bay area, is one of the largest and most complex energy groups in Israel and it operates a refinery and petrochemicals conglomerate. Modern facilities enable Bazan to produce a large variety of oil refinery products for industry, transport, agriculture, infrastructures and domestic consumption. Bazan has a maximum daily production capacity of approximately 26,600 tons of oil (197,000 barrels). More than 70% of the Company's products are distributed in the domestic market, while the remainder is destined primarily for the eastern Mediterranean.

The Bazan Group comprises three industrial companies operating in Israel primarily in the production of petroleum products, polymers used as raw materials in the plastics industry, aromatics compounds for the chemicals and petrochemicals industry. The Group's plants operate synergistically and the plants of the subsidiaries constitute an extension of Bazan's facilities. This allows Bazan to optimize the output of the refinery facilities, while producing petroleum alongside various other products as well as petrochemical products. As a result of the integrated management of the facilities, Bazan is able to increase its profit margin and create cost efficiency. The Company also supplies power services to industrial customers in the Haifa Bay area as well as infrastructure services (storage and transportation of fuel products).

### The Group's structure

Israel Corporation Ltd. (the Israel Corporation) holds 33% of the shares of the Bazan Group and Israel Petrochemical Enterprises Ltd. ("IPE") holds 15.5% of its shares. In actual fact the public holds about 75% of the Company by means of holdings on the stock exchange. Oil Refineries Ltd. ("ORL") consolidates ownership of the subsidiaries.

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**Mr. Shlomo Basson**  
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## Ben-Gurion University of the Negev

Ben-Gurion University of the Negev is one of Israel's leading research universities and among the world leaders in many fields.

It has around 20,000 students and 4,000 faculty members in the Faculties of Engineering Sciences; Health Sciences; Natural Sciences; Faculty of Humanities and Social Sciences; Faculty of Business and Management; School of Medicine; School of Brain sciences and Cognition; The School of Sustainability and Climate Change and the School for Desert Studies.

The research group of Prof. Yaniv Gelbstein is specialized in heat-to-electricity thermoelectric (TE) conversion and chemical energy – to - electricity solid oxide fuel cells (SOFCs) conversion, since 1997. In the recent years, a major focus of the group is dedicated to hydrogen storage by metal hydrides. The group is fully dedicated on achieving the entire supply chain starting from basic science activities on development the next novel thermoelectric and ionic conductive materials, to the development of highly efficient TE and SOFC prototype converters, as well as hybrid photovoltaic-thermoelectric (PV-TE) and SOFC-TE systems. In the field of hydrogen storage, MgH<sub>2</sub> is currently investigated.



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### Boaz Gazit

Boaz Gazit has a B.Sc in Chemical Engineering and an M.Sc. in Environmental Engineering from the Technion Israel Institute of Technology, Haifa.

He serves as an independent consultant for various Israeli institution, such as Mekorot Israel Water Company (Bahrain EWA -Seawater desalination plant) and Seawater desalination plant Sabha Eilat), Noble Energy (Project lead Leviathan & Tamar offshore gas field development), Metropolitan of Jerusalem Og Wastewater Treatment Plant, Israeli Water Authority (Brackish Water Desalination), Ma'agan Michael Brackish water Desalination Plant, Huliot - Membrane Bio Reactor Compact wastewater Treatment and Water Reuse, Tahal (Desalination and Water Reuse –Abu Dhabi Master plan), Memtech (Developing Ultra Filtration membranes for industrial wastewater), IIF –Israel Infrastructure Fund (due diligence study Palmachim Seawater Desalination Plant) and Keren Noy Fund (due diligence study Sorek Seawater Desalination Plant).



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### Doral

DORAL is international company for renewable energy, who work in Israel, Poland, Romania, Italy, Sweden and 11 states in U.S.A. DORAL establish, build and operate projects of PV, wind turbine, waste to energy, and biogas. Doral is the leader in Israel in storage and agro-vol.

Doral lead the first green hydrogen project in Israel with H2PRO and got recognition from the energy ministry in Israel for that. Doral invest in two electrolysis company (H2PRO and VERDAGY) and plan to use their technology in her project of renewable energy. Those days Doral gets in to the "grid off" section and start to develop project of renewable energy without contact to the grid.

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**Eco Energy**  
Financial & Strategic Consulting

Eco Energy Ltd. is a financial and economic consulting and investment firm that specializes in the energy, environmental, and infrastructure sectors. The company is owned and managed by Dr. Amit Mor and Shimon Seroussi. The company specializes in the preparation of strategic plans, financial plans, business plans, due diligence and valuation of companies, market demand and pricing studies, and project finance. The company has through knowledge of the international petroleum, electricity, natural gas, and renewable energy and clean-tech sectors, including R&D in those fields.

Eco Energy and its owners have been involved in numerous projects in many countries. They prepare strategic and business plans for governments, companies and investment funds. The company served as an advisor to the European Union for R&D trends and developments in renewable energy and for the World Bank for electricity, petroleum, natural gas, renewable energy, market liberalization and privatization, energy sector planning and project finance in developing countries.

During the past decade Eco Energy and its owners worked intensively on issues concerning the development of the Eastern Mediterranean and Israeli gas and electricity sectors. Dr. Mor and his partner Shimon Seroussi also lead the team that prepared the energy master plan for the State of Israel and contributed for the World Bank Energy Sector Review in the Palestinian Authority. They are working closely with the World Bank on developing strategies for natural gas, renewable and solar energy development in Middle East and North-African countries.

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**Dr. Amit Mor**  
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**Mr. Shimon Seroussi**  
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**Electriq Global**

From Hydrogen To Powder To Power

Electriq Global develops a unique hydrogen carrier solution that addresses the storage, transport, and usage challenges posed by conventional hydrogen solutions.

Electriq's patented technology transforms hydrogen into a practical, coffee-like powder material (KBH4) which can be stored in a safe, lossless, and compact form for years. It is simple to transport just like everyday products, its energy density is superior to other hydrogen carriers, and pure hydrogen is delivered at the press of a button using Electriq's straightforward release system.

Electriq's sustainable, circular, and zero-emission hydrogen powder is best used in off-grid and mobile applications which must cease using fossil fuels and cannot be serviced by conventional hydrogen.

- **Hydrogen Storage:** The hydrogenation process turns hydrogen sources into a coffee powder-like form, packaged and ready to transport with ease.
- **Hydrogen Release:** Like a coffee machine, the dehydrogenation system delivers hydrogen and electricity from the powder when and where it's needed.

Electriq Global is now seeking partners both upstream and downstream to pilot the solution at greater scale, after successfully validating the technology. Together, Electriq Global and its partners are unlocking the hydrogen economy.

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## Energy Infrastructures Ltd. (PEI)

Energy Infrastructures Ltd. (PEI) is the national fuel and energy infrastructure company in Israel, which is fully (100%) owned by the government of Israel. The company meets the needs of Israel's energy economy and is responsible for maintaining the stability and the energy independence of the State of Israel and its residents in routine times as well as in emergency situations. The Company's activity covers a wide range of services in the energy economy: offshore services for import and export, storage, transmission, and supply of fuels, mainly distillates, throughout the country; handling crude oil products and distillates and dispensing to tank vessels and road tankers. PEI's customers include the largest consumers in Israel as The Israeli Electric Corporation, Ministry of Defense, Airport Authority, oil refineries and fuel companies. The company has facilities deployed throughout the country that include storage tanks for oil and distillates and underground transmission pipelines that are deployed throughout the country.

As part of its strategic plan, and according to Israel's strategic plans to reduce the use of fossil fuels, PEI's strategy includes the development of groundbreaking solutions to the energy industry, new energy projects and the creation of national impact, promoting national programs and leading PEI and the State of Israel towards the energy market of tomorrow.

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## Grand Technion Energy Program

The Nancy and Stephen Grand Technion Energy Program at Technion-Israel Institute of Technology is a multidisciplinary research and education initiative, uniting experts from across the world and inspiring sustainable solutions to the global energy challenge. Since its establishment in 2007, GTEP has become a national hub and centre of world-calibre research and education in energy. GTEP-led activities have generated significant scientific discoveries, forged strong industrial and academic ties in Israel and abroad, and attracted first rate faculty members and students.

The Technion – Israel Institute of Technology was founded in 1912 in Haifa and is the oldest university in Israel and the Middle East. The university offers degrees in science and engineering, and related fields such as architecture, medicine, industrial management and education.

Technion is noted as a global pioneer in multidisciplinary research into fields including energy, nanotechnology and life science. It has 18 academic departments and 52 research centers and over 13,000 students. Since its founding, it has awarded over 95,000 degrees and its graduates are cited to have brought the unique skills and penchant for innovation which helped conceive and consolidate the modern State of Israel. Technion's over 610 faculty members include three Nobel Laureates.

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## H2PRO

Founded in 2019 and based in Caesarea, Israel, H2Pro develops E-TAC - a revolutionary method for producing green hydrogen by splitting water that is over 95% efficient, safe and cost-competitive with fossil-fuel hydrogen.

H2Pro's technology, known as E-TAC (Electrochemical - Thermally Activated Chemical), uses electricity to split water into hydrogen and oxygen. However, unlike electrolysis, hydrogen and oxygen are produced at separate steps. This eliminates the need for a costly membrane, allows for a simpler construction and significantly lowers power consumption compared to electrolysis.

H2Pro is backed by leading investors and strategic partners, such as Breakthrough Energy Ventures, Temasek, Horizons Ventures, ArcelorMittal, Yara Growth Ventures, Hyundai, Sumitomo Corporation and New Fortress Energy. E-TAC is based on years of research conducted by its founding team at the Technion, Israel Institute of Technology. H2Pro is the winner of Shell's 2020 New Energy Challenge.

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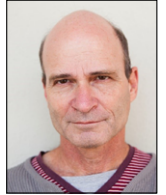


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## Haaretz

Haaretz is a daily newspaper published in Tel Aviv. It also publishes English edition. It is the oldest daily in Israel and has a distinctive liberal editorial approach. The newspaper is based mainly on regular subscribers and created payment wall in the digital edition. A wide civil society agenda is part of Haaretz approach. It includes strong emphasis in environmental issues.



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#### Terranauta B.V.

HYDROLITE Ltd. is a start-up company, owned by Elbit Systems, focusing on novel hydrogen technologies for energy storage and conversion based on its world-leading alkaline exchange membrane (AEM) electrode and stack technology. Featuring high efficiency power-to-hydrogen (Electrolyzer) and hydrogen-to-power (Fuel Cell) devices, our unique technology reduces costs and delivers high performance and versatility. Applications for our company's technology range from stationary backup and power systems to hybrid energy banks, range extenders, off-grid platforms and microgrids, long-period energy storage, hydrogen generation and grid reliability. The world class team and development facilities established by HYDROLITE, combine Israeli innovation and technical excellence with a disruptive AEM device technology and advanced, "Designed for Alkaline" system engineering, systems integration, to enable reliable, 100% renewable energy via robust, low-cost combined storage solutions.

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#### Hywin

Providing consulting services to companies that wish to commence using hydrogen as an alternative energy resource with emphasis in safety, international standards and quality requirements.

Eli is a graduate of the EU project for the first 1,000 hydrogen and fuel cell technicians. He has over 36 years of experience with chemical plant operations at Adama Agan in Ashdod and is very experienced in handling and transporting dangerous goods according to the IMDG Code or International Maritime Dangerous Goods Code. He is a member of ITCO (International Tank Container Organization).

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## ICL Group

ICL Group is a leading global specialty minerals company, which also benefits from commodity upside. The company creates impactful solutions for humanity's sustainability challenges in the global food, agriculture and industrial markets.

ICL leverages its unique bromine, potash and phosphate resources, its passionate team of talented employees, and its strong focus on R&D and technological innovation, to drive growth across its end markets.

ICL shares are dually listed on the New York Stock Exchange and the Tel Aviv Stock Exchange (NYSE and TASE: ICL). The company employs more than 12,000 people worldwide, and its 2021 revenue totaled approximately \$7 billion.

ICL in Belgium and the Netherlands: ICL has been present in this region since 1976. ICL currently has four production locations and two offices in Belgium and the Netherlands, employing around 750 people in total. The production locations are located in Amsterdam (Netherlands), Heerlen (Netherlands), Terneuzen (Netherlands) and Grobbendonk (Belgium). The offices are located in Amsterdam (Netherlands) and Waardenburg (Netherlands)

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## Israel-Europe Research & Innovation Directorate - ISERD

ISERD is Israel's National contact point for participation in the European Framework programme such as Horizon Europe. ISERD is also responsible for promoting the participation of Israeli entities in the European Framework Programmes and in bilateral and multilateral research and innovation activities with European countries.

ISERD is an inter-ministerial directorate, established by the Israeli Ministry of Economy, the Planning and Budgeting Committee of the Council for Higher Education, the Ministry of Science and Technology, the Ministry of Finance and the Ministry of Foreign Affairs and is operated through the Israel Innovation Authority.

ISERD provides information on various funding and collaboration opportunities in the European landscape; Assists in Partner Searches; Assists throughout proposals submissions process; Organizes seminars, learning and exposure meetings as well as matchmaking events for joint collaboration opportunities.

Mr. Asaf Aharon oversees promoting the participation in Horizon Europe of all Israeli entities from all sectors in the fields of Energy, Environment, Climate and Natural resources.  
Mr. Aharon also represent Israel in the Clean Hydrogen JU partnership.



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## Ministry of Defense

Directorate for Defense Research and Development  
Dual-purpose and Civilian R&D (DCR&D) unit

MAFAT, otherwise known in English as the Directorate for Defense Research and Development (DDR&D), is the main R&D organization of the Israel Ministry of Defense (IMOD). MAFAT implements advanced R&D for the creation of technological opportunities based on current and future needs of the defense establishment and Israeli society. The "dual-purpose and civilian R&D (DCRD) unit is an organization that was established by the IMOD, the GCA (Government Companies Authority and the Ministry of Science to establish a Government entity which will operate as part of MAFAT and operates:

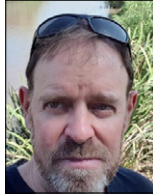
- To identify and advance dual-purpose research, technologies, projects and infrastructures.
- As a platform to identify new technologies, conduct feasibility studies, and to facilitate rapid adaptation of promising technologies by Government Companies and later by other Ministries.

One of the initiatives that the DCR&D promotes is a demonstration of an Autonomous Hydrogen Energy based military unit and /or neighborhood ("hydrogen valley") in Israel.

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## Ministry of Energy

Fuel & Gas Administration  
Natural Gas Authority

The Ministry of Energy is responsible for all of Israel's energy sectors and its natural resources, including electricity, fuel, LPG, natural gas, conservation of energy, petroleum explorations, minerals, earth science and marine research and more. The Natural Gas Authority supervises the public and private bodies operating in the Natural Gas Sector, while regulating the market, safeguarding the public.



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**Ministry of Energy**  
Chief Scientist Department

Ministry of Energy, Chief Scientist Department  
Part of mid to long term planning in all areas of the ministry occupation (Energy, electricity, renewable energy, storage, natural gas, natural resources ...)

- Implementation of innovation in energy and natural resources
- Supporting entrepreneurship from academic research through prototype and pilots
- Innovation in government procedures to open bottlenecks



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**Ministry of Environmental Protection**

The Ministry of Environmental Protection acts to protect the environment and public health by promoting laws, regulations, and standards and supervising their implementation and enforcement. The Ministry also operates under binding international conventions. The Ministry is in charge of: air quality, waste management, supervision of hazardous materials, protection of natural resources and the marine environment and more.

The Energy and Climate Change Department is responsible for coordinating national actions relating to climate change mitigation. Department activities include funding for mitigation projects at all levels, formulation of national policies and reports regarding GHG emissions, coordination with international bodies and advancement of climate policy. In particular, the department places emphasis on the energy sector as Israel's chief emitter of GHGs, and works in cooperation with other regulatory bodies to advance uptake of renewables and low/zero carbon energy facilities.

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**Dr. Isaac Kedem**  
Senior Coordinator



## NewMed Energy

NewMed Energy is Israel's leading energy partnership in the exploration, development, production and sale of natural gas and condensate. NewMed Energy operates mainly in the Eastern Mediterranean, initiated the natural gas sector in Israel, and made history with its unprecedented agreements with Egypt, Jordan and the UAE which strengthened peace and increased stability in the Middle East. NewMed Energy has been a key partner in all of the gas discoveries made in the last thirty years in Israel's EEZ, and in the first natural gas discovery made in Cyprus's EEZ.

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**Mr. Hudi Bruker**  
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**Dr. Omri Shitrit**  
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**Mr. Reuben Bor**  
Analyst

## Taavura

### Taavura Holdings Ltd.

Taavura Holdings Ltd. is a leading mobility, transportation, logistics, energy & services holding group in Israel, established over 70 years ago by Avraham (Bondi) Livnat, with about 70 companies and over 5,000 employees. Taavura is well positioned to take advantage of opportunities to ensure its continuing growth.



**Mr. Rammy Molcho**  
Chief Economist &  
Business Development

The group's main areas of operation:

- Import of trucks, buses and heavy equipment to Israel - Daf, Isuzu, Kenworth, Tatra & Oshkosh trucks, VDL and Isuzu buses, Liebherr hydraulic excavators and cranes and more.
- Import of cars and commercial vehicles to central Europe - Ford, Hyundai, Nissan and other premium brands.
- Logistic services - Taavura is the principal shareholder in Maman (publicly held company), specializes in providing superior ground handling services for cargo and passengers at Israel's airport, as well as the full range of logistic services within Israel and abroad.
- Road haulage (car transport, bulk transport, agricultural produce, containers and general cargo), earth moving and mining, cranes & heavy lift as well as oversize loads and heavy haulage, marine and off shore works, manufacture of explosives and related products for the civilian market, import of Pirelli tires and more.
- Energy - Taavura holds Shmerling Synchro Energy Engineering - one of Israel's leading companies in the generators sector as well as other investments in the field.
- Established and operates one of Israel's largest municipal solid waste (MSW) landfill and a sewage treatment plant.
- Quantum Hub – the Taavura-Livnat Group innovation center in collaboration with Hyundai, VDL Group, Tadiran and Talcar, focusing on logistics, automotive, energy and industry 4.0.

Being one of Israel's largest truck and heavy vehicle importer and user, Taavura expands its green energy activities to achieve solutions in electric vehicles charging and future usage of green hydrogen, specifically for heavy vehicles. Taavura promotes an energy project on a large industrial site at Dimona (in southern Israel), to strengthen the field of renewable and unique energy solutions including hydrogen.

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# Organization





## Netherlands Innovation Network

The Netherlands Innovation Network (NIN) stimulates international cooperation between companies, research institutes and public authorities in the fields of innovation, technology, and science. The network's activities help implement the international knowledge and innovation agenda of the Dutch government. We address national and global challenges, aiming to further develop key enabling technologies through international cooperation and a worldwide network of offices.

NIN develops international cooperation by :

- providing knowledge and information on the latest innovation, technology and science developments around the world;
- connecting to potential partners abroad;
- organizing innovation missions, seminars, workshops and matchmaking events abroad;

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Dr. Racheli Kreisberg



Netherlands Enterprise Agency

## Netherlands Enterprise Agency International Innovation department (Rijksdienst voor Ondernemend Nederland, RVO)

The Netherlands Enterprise Agency is the executive agency of the Dutch Ministry of Economic Affairs. The Agency promotes sustainable development and innovation, both within the Netherlands and abroad. The aim is to improve opportunities for entrepreneurs and strengthen their position, nationally and internationally.

Through the Netherlands Enterprise Agency both national and foreign organizations may gain access to a broad Dutch network of knowledge institutes, research centers, trade associations, companies and government departments. The agency participates in numerous international platforms and counselling groups. It helps with finding grants, business partners, know-how and compliance with laws and regulations.

You can contact us for information, advice, financing issues, networking and regulatory matters, whether you are entrepreneur, representing a knowledge institute or work for a government body.

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## Eindhoven University of Technology

The Eindhoven Institute for Renewable Energy Systems (EIRES) focuses on the multidisciplinary question that is the energy transition. EIRES facilitates the collaborative development and swift deployment of new technologies and devices by bringing together researchers from different departments of Eindhoven University of Technology (TU/e) that are working on materials, systems, and processes for energy storage and conversion.

Our focus is on research for modular scalable systems to enable steep learning curves, fast technology deployment, and rapid integration in the energy system. Typical examples are electrolyzers, fuel cells, (redox flow) batteries, or systems for heat storage and transport. We collaborate closely with the high-tech start-ups, spin-outs, and manufacturing industry in the region, as well as end-users and societal stakeholders.

I hope this mission will stimulate collaboration between NL and IL research institutes and high-tech (startup) companies working on systems for renewable hydrogen generation and storage.

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**Mr. Mark Boneschanscher**  
Managing Director  
Eindhoven Institute for  
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## New Energy Coalition

New Energy Coalition is a knowledge and network organisation striving for a sustainable world by boosting the acceleration of the energy transition. This system transformation requires business enterprises, (knowledge) institutes and policy makers to innovate in close collaboration in order to achieve breakthroughs in technology and knowledge, in economic and societal implementations and in people's mindset and behaviour. As a catalyst, New Energy Coalition drives innovation and education by bringing together knowledge, policy and entrepreneurship.



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