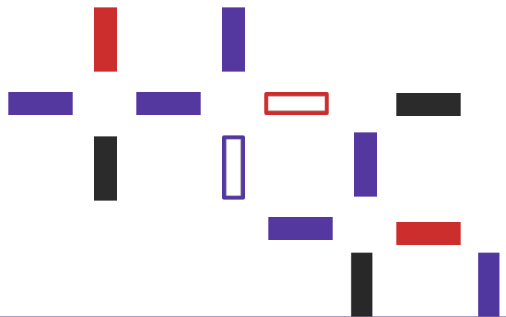


European  
Innovation  
Council



# Catalogue GITEX GLOBAL 2024



14 - 18 October 2024

Dubai, United Arab Emirates

 #EUeic  
 @EUeic  
 [eic.ec.europa.eu](http://eic.ec.europa.eu)



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# 1

## What is the European Innovation Council?

***The European Innovation Council (EIC) is Europe's flagship innovation programme to identify, develop and scale up breakthrough technologies and game changing innovations. The EIC has a budget of €10.1 billion to support innovation throughout the whole lifecycle, from early-stage research to proof of concept, technology transfer and the financing and scale up of startups and small companies.***

The EIC functions under the following schemes:

- [EIC Pathfinder](#) supports research teams to research and/or develop emerging breakthrough technology.
- [EIC Transition](#) supports the maturation of a novel technology and development of a business case to bring it to market.
- [EIC Accelerator](#) supports funding and investments through the EIC Fund for individual startups and small companies to develop and scale up their breakthrough innovations.
- [EIC Fund](#) provides equity finance to startups and scaleups and it has a proactive approach to co-investing with other investors offering a pipeline of attractive opportunities.

EIC support goes however far beyond funding. It provides to the EIC top-notch innovators with access to a range of high quality tailor-made [Business Acceleration Services \(EIC BAS\)](#) helping thus the scaling up and commercialisation of the EIC innovations.

EIC Delegation to GITEX GLOBAL 2024:



Stéphane Ouaki  
Head of European Innovation  
Council  
Stephane.Ouaki@ec.europa.eu



Yousef Yousef  
CEO, LG Sonic  
EIC Advisory Board Member  
Yousef@lgsonic.com



Nassima Ferahtia  
Senior Investment Manager  
European Innovation Council  
Nassima.Ferahtia@ec.europa.eu



## 2 EIC International Trade Fairs (ITF) Programme 3.0

Building on the experience of OTF 1.0 and 2.0, this EIC BAS programme aims to support EIC beneficiaries in their commercialisation strategy in European and foreign markets; it opens business avenues through participation in renowned trade fairs in the EU, the Middle East and the United States of America (USA), putting EU innovation in the spotlight in some of the most promising markets of the world.



The EIC ITF 3.0 will attend trade fairs in 3 different regions:



United States



Europe



Middle East

The trade fairs will cover the following sectors:



New Technologies /  
Industrial Technology



Health &  
Medical Care



Biotech & Pharma



Cleantech /  
Environment & Energy



# 3

## Meet the EIC awardees in attendance at GITEX GLOBAL 2024



Actronika



AEInnova



AquaB



Axelera AI



Billon



Dotlumen



Dronamics



Electrochaea



Excess Engineering



GO-Pen



Multiverse  
Computing



Nevomo



Quside



RAIKU  
Packaging



Naco  
Technologies

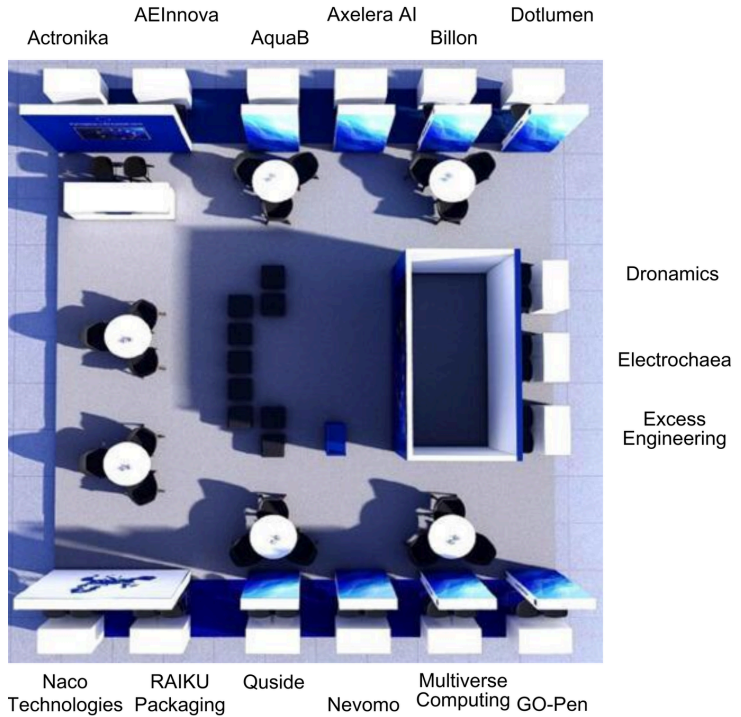


SiPearl



# 4 ■ Find the EIC awardees at the European Pavilion

Dubai World Trade Center  
Hall 1 | Booth B20





## Actronika

Booth 1 | Actonika SAS | European Pavilion | France | Established in 2014  
[www.actronika.com](http://www.actronika.com)



Gilles Meyer  
CEO  
[gilles.meyer@actronika.com](mailto:gilles.meyer@actronika.com)



Rafal Pijewski  
Co-Founder & CTO  
[rafal.pijewski@actronika.com](mailto:rafal.pijewski@actronika.com)

## Craft and integrate realistic touch into digital experiences.

Actronika specialises in HD haptic technology, integrating tactile feedback into Human-Machine Interfaces (HMIs) such as screens and wearables. With the growing demand for immersive experiences, we aim to enhance digital interactions by adding touch, boosting immersion, engagement, and accessibility.

## Company's main achievements/credentials

- FCC, CE certifications
- Selected TIME's best inventions 2022
- CES Innovation Award Honore 2023
- Finalist in the Hardware Category of the VR Awards 2023



## Solutions featuring at GITEX 2024

- The Skinetic Vest: This haptic vest allows users to physically interact with digital environments (games, movies, VR, etc.). The vest delivers hundreds of detailed sensations based on interactions, like feeling water flow when your character crosses a waterfall. The vest is one-size-fits-all, and features Audio to Haptics which transforms any audio content into haptic feedback in real-time providing rich, detailed tactile sensations.
- Unitouch: This haptic design software allows users to easily create and integrate haptic designs into their projects. It includes a sensation library with hundreds of HD haptic sensations and a sample library with various ready-to-use spatialised designs. The latest addition is an AI integration that converts your words into HD haptic sensations in seconds. You can integrate your design into any audio/haptic device - Skinetic, game controllers, development kits, etc.

## Target Business Partners

- Potential investors
- Distributors
- Customers
- Public procurers in military or education industries
- Private procurers

 unitouch studio







## AEInnova

Booth 2 | Alternative Energy  
Innovations SL | European Pavilion |  
Spain | Established in 2015  
[www.aeinnova.com](http://www.aeinnova.com)



David Comellas Vogel  
CEO  
[david.comellas@aeinnova.com](mailto:david.comellas@aeinnova.com)



Raúl Aragonés Ortiz  
Main Founder, Chairman of the BoD  
[raul.aragones@aeinnova.com](mailto:raul.aragones@aeinnova.com)

## Battery-less self-powered IoT solutions for Industry 4.0.

AEInnova transforms the Industry 4.0 by advancing digital solutions with the least environmental impact. Through the first NETZERO heat-powered and battery-less LoRaWAN IIoT for the predictive maintenance, we reduce maintenance costs by 25%.

### Company's main achievements/credentials

- AEInnova is ATEX, IECEx, and ISO 9001 certified.
- Awarded seal of excellence 6 times from the European Commission and EIC grant beneficiary.
- Listed as one of the Top 30 EIC invested deep tech scaleups (2022). AEInnova is also a key EU innovator in our area of expertise.
- 24 successful PoC confirmed our technology in real working environments.
- More than 30 national and international awards and recognitions.



### Solutions featuring at GITEX 2024

- INDUEYE Vibro is a self-powered wireless vibration and temperature sensor that analyses rotative assets for predictive maintenance. Thermoelectric technology allows the elimination of batteries, reducing cost and environmental impact. The device is ATEX/IECEx certified.
- INDUEYE-Steam is a self-powered wireless steam-leak detection sensor that analyses steam traps and valves for steam leaks. Thermoelectric technology allows the elimination of batteries, reducing cost and environmental impact. The device is ATEX/IECEx certified (under development).
- Daervis is a SaaS for data management. The tool analyses data from the sensors to make decisions, activate alarms, and provide dynamic reporting. The cloud-based tool is easy to implement and allows data integration with SCADA.

### Target Business Partners

- Potential investors
- Customers





## AquaB

Booth 3 | AquaB | European Pavilion |  
Ireland | Established in 2020  
[www.aquab.com](http://www.aquab.com)



Niall English  
CTO  
[nenglish@aquabubble.com](mailto:nenglish@aquabubble.com)

## Cleaning the world's water with best-in-class nanobubbles.

AquaB introduces a patented line of low-energy, membrane-free nanobubble generators for aeration and gasification across various industries, including water treatment, agriculture, aquaculture, and oil & gas. These generators enhance water quality and process efficiency by generating stable nanobubbles, reducing energy consumption, optimising gas usage, and improving operational performance.

## Company's main achievements/credentials

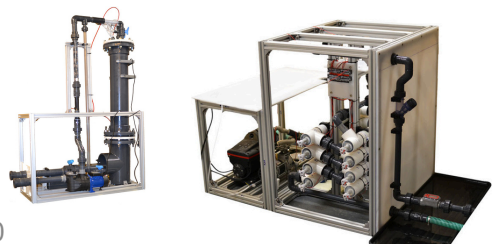
- Awarded the IChemE Global Award in the Water category in 2020 for the development of its electric-field-based nanobubble generators.
- AquaB has been carrying out field trials for water-body aeration in the US (e.g., in Montana, Arizona and California, with DOE-SBIR and private companies) poised for potential distribution deals.
- In Saudi Arabia, there has been much progress in AquaB's contract with Saudi Aramco. AquaB has achieved substantial boosts in CO<sub>2</sub>-fed algae cultivation by the introduction of CO<sub>2</sub> nanobubbles - boosting substantially biomass yield, reducing markedly CO<sub>2</sub> consumption, and with less nutrient usage. Field trials in the latter half of 2024 are concentrating on injection of CO<sub>2</sub> nanobubbles into high-pressure seawater-acid mixes down into oil wellheads, realising more facile penetration into rock and oil extraction therefrom.

## Solutions featuring at GITEX 2024

Nanobubble generators: we are showcasing both pipe-/continuous-flow and submersible generators, with the latter being "plug-and-play" for immersion in a water body like reservoirs. Solar deployment of the low-energy nanobubble generators with battery systems and measurement systems will also be described. This platform-wide technology is crucial for various industries, including oil and gas, desalination, algae cultivation, and environmental sustainability.

## Target Business Partners

- Distributors
- Customers





## Axelera AI

Booth 4 | Axelera AI | European Pavilion |  
The Netherlands | Established in 2021  
[www.axelera.ai](http://www.axelera.ai)



Flavio Devidé  
Vice President - Sales & Customer  
Success  
[flavio.devide@axelera.ai](mailto:flavio.devide@axelera.ai)



Jaydeep De  
Field Application Engineer  
[jaydeep.de@axelera.ai](mailto:jaydeep.de@axelera.ai)

## Simplifying & Accelerating AI.

Axelera AI is delivering the world's most powerful and advanced solutions for AI at the Edge. Our Metis™ AI platform, an integrated hardware and software solution, redefines AI inference at the edge, making computer vision applications more powerful, accessible, and user-friendly.

## Company's main achievements/credentials

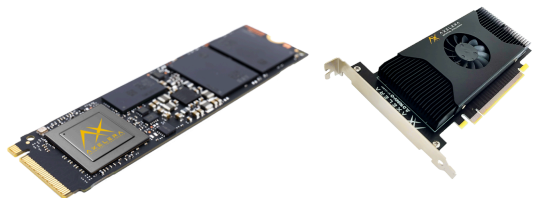
- CRN has acknowledged Axelera AI as one of the leading players in Edge AI solutions, standing alongside industry leaders like AMD, Intel Corporation, and NVIDIA.
- Selected for the Tech Tour Growth50 Europe List 2024.
- Named as CES 2024 Innovation Awards Honoree.
- Deloitte's Rising Star Award.
- Axelera AI has been recognised as one of Europe's top 100 deep tech startups and scaleups to watch in 2023, according to Sifted's recently released Global Startup Ecosystem Report 2023.

## Solutions featuring at GITEX 2024

- The core of our platform is the Metis AIPU, based on digital in-memory computing (D-IMC) and RISC-V technology. The AIPU offers top performance, usability, and efficiency at low cost. Our scalable tech outperforms others and includes an encrypted security engine. Integrated into AI acceleration cards, boards, and vision-ready systems, it enables SMEs to adopt AI faster.
- The Voyager SDK provides user-friendly neural networks for computer vision and compiles networks trained on various frameworks.

## Target Business Partners

- Potential investors
- Distributors
- Customers





## Billon

Booth 5 | Billon Group | European  
Pavilion | Poland | Established in 2012  
[www.billongroup.com](http://www.billongroup.com)



Jacek Figula  
CCO  
[jacek.figula@billongroup.com](mailto:jacek.figula@billongroup.com)



Robert Kaluza  
CEO & Co-Founder  
[robert.kaluza@billongroup.com](mailto:robert.kaluza@billongroup.com)

## Specialised blockchain for Digital Transformation and Web 3.0.

Billon leverages blockchain technology to drive digital and green transformations in enterprises. Our comprehensive solution facilitates secure and efficient exchange of documents, data, and tokens, tailored for corporate and enterprise environments.

### Company's main achievements/credentials

- 2020: Integration with largest core banking solution - FIS Profile.
- 2021: Commercial service for digital national currency on chain in Poland under the KNF e-money license.
- 2022: Live platform provided to BIK SA for all Polish banks and financial institutions.
- 2023: Documents exchange service to Polish largest energy provider, Tauron.
- 2024: Agreement with Mobilum to build first ever EURO pegged stable coin.

### Solutions featuring at GITEX 2024

- Trusted Document and Data: Blockchain based, all-on-chain solution to digitise, store, exchange, share, sign, e-delivery of documents and data sets among corporations (B2B) and corporate and an individual (B2C). Integrated with digital wallets and identity management.
- E-money and Tokenization: Tokens representing national currency on chain for a peer to peer money circulation.

### Target Business Partners

- IT and Digitisation distributors
- Angel Investors, Venture Capitals
- Public institutions
- Corporates in Finance Utility, Energy, Supply Chain



**Send**  
Confidential and provable  
business communication  
for public and private  
documents



**Store**  
Decentralized "on-chain" and  
immutable documents and  
data



**Sign**  
E-signature on contracts  
linked to validated  
identity on ledger



**Share**  
Secure data exchange of  
one source of truth, with  
verifiable record of the  
provenance, access and  
usage



Cornel Armariei  
CEO & Founder  
cornel@dotlumen.com

## .lumen (DOTLUMEN)



Robert Gutt  
Navigation lead  
robert@dotlumen.com

Booth 6 | DOTLUMEN | European  
Pavilion | Romania | Established in 2020  
[www.dotlumen.com](http://www.dotlumen.com)

## Helping the blind live a better life.

.lumen revolutionises mobility with its Pedestrian Autonomous Driving AI (PAD AI), first showcased in smart glasses for the blind. Our technology enhances safety and independence, introducing the future of autonomous navigation for people with impaired vision.

## Company's main achievements/credentials

- Opened Nvidia GTC, the most important technology event of the year.
- First Romanian startup to be awarded by the European Innovation Council (EIC), funding worth 9,7M EUR.
- Raised 4M EUR Equity investment to date, on top of the EIC funding.
- Red Dot: Luminary Award.
- Team of 50 engineers and scientists.
- Patents already granted in the USA.

## Solutions featuring at GITEX 2024

- The Glasses mimic the main features of the guide dog for the blind, in the shape of a headset. While a guide dog works by pulling the users head, the Glasses "pull" the user's head using patented haptics, avoiding them from obstacles, keeping them on sidewalks or helping them navigate crossings and outdoor-indoors transitions.
- The Pedestrian Autonomous Driving AI technology is the first navigation stack designed specifically for "self-driving" on the pedestrian side. Tested in over 20 countries on 3 continents, it doesn't require internet connectivity or pre-mapping.

## Target Business Partners

- Potential investors
- Medical device distributors in the region





Hristo Hristov  
Head of Sales Strategy  
hristo.hristov@dronamics.com

## Dronamics

Booth 7 | Dronamics |European Pavilion  
| Bulgaria | Established in 2014  
www.dronamics.com



Svilen Rangelov  
CEO & Co-Founder  
svilen@dronamics.com

## Dronamics is the world's first licensed cargo drone airline.

Dronamics develops, builds and operates large, long-range drones built specifically for cargo that can carry up to 350 kg over 2,500 km enabling a same-day delivery service together with partners including Aramex, Emirates Post and Qatar Airways Cargo.

## Company's main achievements/credentials

- First Drone Airline with ICAO and IATA Code Designators.
- First large cargo drone airline authorised for commercial service in the European Union.
- Is the first cargo drone airline to sign an interline agreement with Qatar Airways Cargo.

## Solution featuring at GITEX 2024

The Black Swan UAV enables same-day delivery service across regions enabling up to 80% faster, 50% cheaper and with up to 60% lower emissions than alternative modes of transport, including airfreight. This proven technology enables same-day shipping over very long distances for a variety of industries: from pharma to food, from e-commerce to spare parts.

## Target Business Partners

- Potential investors
- Customers





## Electrochaea

Booth 8 | Electrochaea GmbH | European  
Pavilion | Germany | Established in 2014  
[www.electrochaea.com](http://www.electrochaea.com)



Gabriele Pinzone  
Vice President Business Strategy  
[gabriele.pinzone@electrochaea.com](mailto:gabriele.pinzone@electrochaea.com)

## Greening the gas grid.

Electrochaea is a clean tech company that offers innovative and proven Power-to-Methane technology. Our unique solution uses methanogenic archaea to convert renewable power and carbon dioxide into synthetic, low-carbon BioCat Methane.

## Company's main achievements/credentials

- Cleantech 100 company.
- AD and Biogas Award recipient.
- EIC Accelerator Program beneficiary.
- Strategic Partner with Baker Hughes, Energie 360 and Storengy.



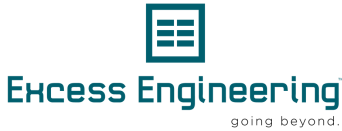
## Solution featuring at GITEX 2024

Electrochaea's solution is modular, scalable and is designed for commercial applications. With outstanding volumetric productivity and energy density, it ensures maximum efficiency. Our system boasts proven load following capabilities, adapting seamlessly to varying demands. Achieve an exceptional 98.5% CO<sub>2</sub> conversion rate, thanks to our patented biocatalyst-based technology. Experience cutting-edge performance and sustainability with our advanced technology.

## Target Business Partners

- Potential investors
- Customers





Ove Kalvatn  
CEO  
ove@excessengineering.no

## Excess Engineering

Booth 9 | Excess Engineering | European Pavilion | Norway | Established in 2011  
www.excessengineering.no



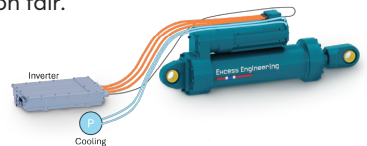
Geir Ståle Kleppe  
Project Manager  
gsk@excessengineering.no

## Transforming machines with energy-saving electric actuators.

Excess Engineering introduces energy-efficient electric actuators, replacing hydraulic cylinders in construction machines. Our patented technology cuts CO2 emissions, eliminates hydraulic spills, and delivers precise control with 50% energy savings.

## Company's main achievements/credentials

- Awarded seal of excellence from the EIC (2022) and EIC grant beneficiary for developing CO2 emission reducing technology for the construction sector.
- Innovation Award at the Intermat Paris 2024 Construction fair.



## Solution featuring at GITEX 2024

The electric actuator is a hydraulic-free option replacing heavy-duty hydraulic systems with energy efficient electric system for linear force. It offers improved precision and enhanced monitoring and control of movement. Comparable in size to existing hydraulic systems, it requires no significant modifications to construction machines. This eco-friendly solution eliminates polluting hydraulic oil and maintenance and reduces power consumption by 50% compared to hydraulics.

## Target Business Partners

- Potential investors
- Customers: hydraulic system integrators, OEM builders
- Suppliers of key components, electric motors and gears, machining, raw materials







Ole Nielsen  
CEO  
ole@go-pen.com

## GO-Pen

Booth 10 | GO-Pen APS | European  
Pavilion | Denmark | Established in 2019  
www.go-pen.com



Kristina Jensen  
CCO  
kristina@go-pen.com

## Affordable insulin pen for all.

GO-Pen® makes modern insulin pens affordable for all, addressing a critical gap in diabetes care. Despite being one of the biggest innovations in the last 50 years, 1 in 3 people - around 20 million, mostly in low- and middle-income countries, still use syringes, leading to poor healthcare quality and reduced quality of life. With the insulin and obesity drug delivery device market already a multi-billion-dollar industry, this presents a compelling opportunity to invest in a startup driving change in this space.

## Company's main achievements/credentials

- Management system is ISO 13485 certified.
- FDA submission for clearance.
- CE mark full file submission for clearance.
- Winner American Diabetes Association 2023 innovation contest (Prize: Marketing and communication).
- Winner Diabetes Center Bern Innovation (Prize. EUR 100K).
- Winner Sportsgoodfondens innovation prize (EUR 20K).
- Winner European innovation council acceleration prize (EUR 2.5m).
- Winner European Innovation council seal of excellence.
- Winner UK innovate innovation prize.

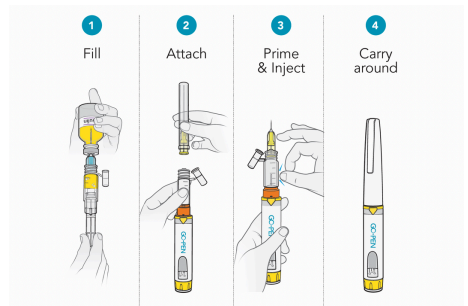
## Solution featuring at GITEX 2024

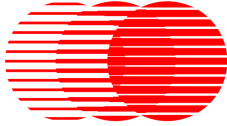
GO-Pen® offers better health outcomes at similar cost. Users will enjoy the safety, comfort and discretion of a modern insulin pen for the same cost of traditional syringes.



## Target Business Partners

- Potential investors





**MULTIVERSE**  
COMPUTING

## Multiverse Computing

Booth 11 | Multiverse Computing SL | European Pavilion | Spain | Established in 2019  
[www.multiversecomputing.com](http://www.multiversecomputing.com)



Rodrigo Hernandez  
Global Director of genAI  
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Iraia Ibazabal  
Chief Growth Officer  
[growth@multiversecomputing.com](mailto:growth@multiversecomputing.com)

## Quantum AI: compute power and sustainability.

By 2030, Wells Fargo projects AI will consume electricity equal to 70 million households or 81 nuclear plants, an 80-fold increase from today. Multiverse tackles this challenge with quantum algorithms running on classical hardware, halving AI's global power consumption.

### Company's main achievements/credentials

- 2022 - Gipuzkoa's Best Young Company Award.
- 2023 - Listed in the TOP 100 Most Promising AI Companies by CB Insights in the Quantum AI software category.
- 2024 - Future Unicorn Award from DIGITALEUROPE, National SME of the Year – Digitalization and Innovation Category; Innovation Zero's Mature Solution in Industry Award.

### Solution featuring at GITEX 2024



CompactifAI is the first-in-class technology that significantly reduces AI power consumption by 50%, addressing the projected 80x increase in demand by 2030. Our unique approach leverages quantum emulation algorithms (compatible with both classical and quantum computers), enhancing efficiency and sustainability in AI without compromising precision.

### Target Business Partners

- Potential investors
- Public procurers
- Private procurers
- Customers

# NEVOMO

## Nevomo

Booth 12 | Nevomo | European Pavilion |  
Poland | Established in 2017  
[www.nevomo.com/en](http://www.nevomo.com/en)



Harj Dhaliwal  
Chief Business & Capital  
Programmes Officer  
[h.dhaliwal@nevomo.com](mailto:h.dhaliwal@nevomo.com)

## Nevomo. Tomorrow's technology today.

Nevomo's MagRail technology will disrupt the rail industry by boosting capacity and efficiency in ports, logistics, and passenger railways. Using magnetic levitation and linear propulsion, we retrofit infrastructure to double asset performance at 1/3 the cost of new lines, revolutionising rail transport in just two years.

## Company's main achievements/credentials

- The first full-scale, self-propelled MagRail Booster freight wagon was successfully tested in Q3 2023 at the Nevomo test facility. This achievement was preceded by successful tests of the levitation technology in March 2023 on the same track.
- Nevomo's strategic focus on market expansion has seen it penetrate European markets and is now seeking to expand its global footprint into the Middle East, leveraging its Dubai office as a springboard.

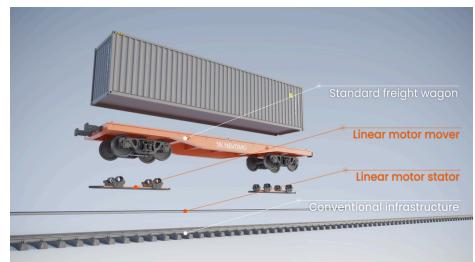


## Solution featuring at GITEX 2024

Nevomo's unique MagRail technology doubles performance of existing assets at 1/3 the cost of new lines. The MagRail Booster retrofits lines and wagons with linear motors, doubling capacity and enabling metro-like frequency. The High-Speed Passenger MagRail adds magnetic levitation, doubling speeds to 550 kph. Both solutions can be offered as-a-Service (pay per use, not CAPEX investment).

## Target Business Partners

- Investors
- Customers
- Manufacturing, investment, and delivery partners in the Middle East region





Quside



Steve Takhar  
Chief Revenue Officer  
stakhar@quside.com



Frank Malek  
Vice President Marketing  
fmalek@quside.com

Booth 13 | Quside Technologies | European  
Pavilion | Spain | Established in 2017  
www.quside.com

## Quantum tech for secure connectivity and efficient computing.

Quside enhances cryptography and high-performance computing with advanced randomness solutions. Our semiconductor chips and optoelectronic modules provide superior quantum entropy solutions for data centers and emerging 5G applications.

## Company's main achievements/credentials



- ISO 9001 and ISO 27001 certified.
- Quside receives NIST SP800-90B Certification for photonic quantum-based entropy sources
- Quside is now providing certified solutions with its PKI partners for FIPs 140-3 compliance

## Solutions featuring at GITEX 2024

- The Quside QN100 is a fast, scalable QRNG chip delivering 1 Gbit/s quantum entropy generation on a single mm<sup>2</sup> footprint, making it the fastest quantum entropy chip available. Utilising phase-diffusion technology, the QN100 elevates security, privacy, and efficiency in randomised computation to new heights.
- The Quside PCIe Series is a family of quantum random number generators with PCI Express interface, available in low-profile form factors for 100 Mb/s and 1 Gb/s, and full PCIe size for 400 Mb/s. It provides unmatched performance, quality, and transparency, offering customers a unique solution for entropy and randomness generation.
- The Quside Entropy Core solution offers high-quality, fast entropy for infrastructure applications like cybersecurity, high-performance computing, and gambling, ensuring reliable random number access to devices that struggle with quality entropy, such as virtualised environments or IoT devices.
- The RPU One optimises randomised workloads by offloading randomness generation and processing from the CPU. The RPU Cloud, available on AWS marketplace, offers 60 Gbits/s randomness generation with multiple probability distribution profiles. This combination improves efficiency and performance in various applications requiring robust randomisation.

## Target Business Partners

- Enterprise End Users (Finance/ Banking/ Insurance/Energy/Telecomm's)
- VAR's & VAD's (Value Added Distributors & Resellers)
- OEM Partners (Hi-Tech Manufacturers)
- SP / SI (Service Providers / Systems Integrators)



**RAIKU**

**RAIKU**



Karl Joosep PÄRTEL  
Co-founder  
karl.j.partel@raiku.co

Booth 14 | RAIKU Packaging OÜ | European  
Pavilion | Estonia | Established in 2021  
[www.raiku.co](http://www.raiku.co)

## RAIKU's breakthrough 100% natural packaging material.

RAIKU produces 100% natural, compostable, highly protective and aesthetically beautiful packaging material to substitute single-use plastics. Our innovative technology uses zero chemicals and drastically reduces deforestation, minimising environmental impact.

## Company's main achievements/credentials

- EIC €8.8m deal.
- Various international grants to support our R&D, IP, and business development goals: over €1m.
- International awards e.g. Luxepack Paris - Sustainable Packaging Award nominated by top global luxury brand and supply chain managers.
- 3 patents for our unique products, production technology and processes showing the uniqueness and competitive advantage of our material.
- Hundreds of companies in pipeline ready to use our material.

## Solution featuring at GITEX 2024

RAIKU's novel technology is committed to minimising the environmental impact by offering 100% compostable packaging. Our products are used by high-end luxury brands due to their very high aesthetics and appearance, increasing customer brand value. The spring structure is ideal for shock absorption and has been tested in research institutions and on the market by shipping the most fragile items, such as glass and ceramics. We offer one of the most resource-efficient processes in the world, turning 1 cubic meter of wood into 20 cubic meters of packaging material, thanks to the innovative spring structure. In addition, the process requires no chemicals, additives, or significant water, and uses minimal energy, resulting in a clean, compostable product and production. Compared to paper production, we reduce water usage by 99.9%, energy consumption by 98%, wood usage by 90%, and avoid 100% of chemicals.

## Target Business Partners

- Investors
- Distributors
- Customers





Naco Technologies



Aleksandrs Parfinovics  
CEO & Co-founder  
ap@naco.tech

Booth 15 | SIA Naco Technologies | European  
Pavilion | Latvia | Established in 2009  
[www.naco.tech](http://www.naco.tech)

## Empowering the Green Hydrogen Revolution.

Naco Technologies specialises in nano-coatings and new materials that eliminate the need for platinum and other costly elements in large-scale Green Hydrogen production, driving down costs and enhancing efficiency.

### Company's main achievements/credentials

- Mass production is built to manufacture up to 500 thousands nano-coated components per annum according ISO9001 standards.
- EIC Accelerator Award for Nano-coated Membrane innovation.
- 3 patent applications for nano-coating process, high-speed magnetron and coating materials.
- Top rated nano-coater according to recent tests in Europe and North America.

### Solutions featuring at GITEX 2024

- Catalyst Coated Membranes: Simple one-step coating process replacing the complicated and expensive multi-step coating techniques. The "greenest" technology replacing "dirty" chemical coating widely used in the Hydrogen industry.
- Nano-coated Bipolar Plates and Electrodes: 10-40x less Platinum Group Material usage as compared to the industry standard solution.
- More than 2x longer operation time due to improved "hydrogen corrosion" protection.
- Provides possibility to switch from expensive carbon and titanium base materials to lighter and cheaper alternatives, like stainless steel and aluminum.

### Target Business Partners

- Potential investors
- Customers



# 5

## Other EIC awardee at GITEX GLOBAL 2024



SiPearl

France | Established in 2019  
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SiPearl is building the world's 1st low-power HPC-dedicated microprocessor designed to work with any third-party accelerator (GPU, AI, quantum).

It targets supercomputers for solving major challenges in health, AI, security, energy and climate while reducing their carbon footprint.

Building the European low-power high-performance microprocessor for exascale supercomputers to tackle strategic sovereign scientific societal and environmental challenges with a reduced carbon footprint.





