



Innovative Tech Startups from Poland

Present at the Polish - Japanese Investment Forum

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The Polish Investment and Trade Agency

The Polish Investment and Trade Agency (PAIH) is a leader in export and investment consultancy, operating on dozens of markets around the world including Japan. As the first contact point it is a partner for entrepreneurs on the domestic and foreign markets.

PAIH is a modern institution which belongs to the Polish Development Fund Group (PFR).

How we can help...

PAIH's mission is to increase the inflow of foreign direct investments to Poland, as well as supporting the internationalization of Polish companies. We operate both in Poland and through our Foreign Trade Offices (ZBH) abroad.

We are committed to promoting Poland and the Polish economy. We aim to increase the awareness of Polish brands on international markets. We promote national products and services, as well as Polish innovative information technology.

...build competitive advantages?

We offer comprehensive services for entrepreneurs, combining industry competences with international experience.

We help entrepreneurs select their optimal foreign expansion path, overcoming administrative procedures for specific projects, the development of legal solutions, finding a suitable location as well as reliable partners and suppliers.

Where You Can Find Us?



NEVOMO

Nevomo

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Sector of activity:

railway technology, cleantech

Technology offered:

MagRail is a MagLev and hyperloop inspired technology integrated within the existing legacy railway infrastructure. It allows to increase capacity, frequency and speed of existing network at a fraction of cost and time needed to build new High-Speed or MagLev lines.

It provides interoperability between conventional rail and possible hyperloop lines in the future.

Present cooperation with Asia / Japan:

Initial talks held with major Japanese companies



Elmodis

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Sector of activity:

Industrial Intelligence

Technology offered:

The Elmodis system is an intelligent solution for monitoring and optimizing industrial processes and technical condition of rotating equipment driven by electric motors. The system, based on high frequency current and voltage measurements from the power supply lines of electric motors, combined with other physical parameters (e.g. pressure, temperature, vibration), creates reliable, accurate information allowing better operational and service decisions to be made.

Edge devices with built-in advanced Machine Learning algorithms capture, measure, and process data in real-time, then send the resulting KPIs to a cloud server for further processing using AI and the subsequent generation of insightful reports for operators.

Present cooperation with Asia / Japan:

In 2019-2021, participation in the Polish Tech Bridges project for the Japanese market.

In 2020, Japan's Meidensha Corporation became an investor in Elmodis, while in 2021 Elmodis launched a battery factory partnership with Singapore's Durapower.



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Sector of activity:

Advanced chemicals, semiconducting materials, nanomaterials

Technology offered:

We are developing light emitting semiconducting colloidal nanomaterials – called Quantum Dots (Qds). Our flagship materials are heavy metals free, blue light emitting QDs. We are among the world pioneers in development of blue light emitting QDs- the most difficult color to achieve in this technology. The main applications for our materials are displays and lighting. We support our clients with QDs customization process delivering QDs in various solvents (polar, nonpolar, monomers) as well in different form (solution, powder, ink, resist).

Present cooperation with Asia / Japan:

We have already established and expanding cooperation with the Japanese chemical companies. We finished already an R&D project with a Japanese company and sold our flagship material to the Japanese market. Our materials were also used by the Japanese University and the results obtained there will be presented during JSAP Spring Meeting, Tokyo.

Due to the high interest in our materials by the display industry we are also in touch with some displays producers in Taiwan, China and Korea.



Solution4Labs

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Sector of activity:

Laboratory technologies

Technology offered:

Solution4Labs and Holo4Labs provide Lab Informatics' digital solutions for laboratories: LIMS, Mixed & Augmented Reality. Each company is a part of the TenderHut technology group, which is listed on the Warsaw Stock Exchange (WSE: THG).

Present cooperation with Asia / Japan:

Implementations in Japan:

- laboratory systems for automotive industry leaders from the engine components segment,
- validation services of laboratory systems for the pharmaceutical industry,
- dedicated solution for the automotive industry,
- LIMS for one of the largest companies in the petrochemical industry.



SIMLAB

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Sector of activity:

PropTech, Building Automation, AEC

Technology offered:

SIMLAB solutions turn personal living spaces and working environments into multimedia digital command centers. They empower users with interactive and intelligent digital twins of their structures, leveraging a combination of 3D models of the property, real-time data from IoT, user-defined asset and maintenance information. SIMLAB software allows a way to track changes in a building structure. Supervise any project, maintenance, and renovation progress as well as monitor facility aging. They provide easy and intuitive digital solutions for the full life cycle of the building.

Present cooperation with Asia / Japan:

Nohara Holdings, one of Japan's most respected construction resource specialists, chose SIMLAB platform – STAGES- to capture the interior construction phases of the General Tokyo Hospital. Misawa Homes, one of the country's top homebuilding companies, used SIMLAB digital twin solutions on a recent project to build and demonstrate to customers model houses, as well as during luxury villa renovation.



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Sector of activity:

Metal Additive Manufacturing

Technology offered:

rePowder is an ultrasonic metal powder atomizer and alloy prototyping platform. The technology allows to produce even small batches of metal powder from any alloy composition and feedstock form. The use of ultrasonics for atomization provides narrow and adjustable Particle Size Distribution making up to 80% of a received powder suitable for desired printing technology like EDM, LPBF, or other applications.

Present cooperation with Asia / Japan:

Amazemet sells devices via distributors in China, South Korea and India while maintaining relationships with partners in Japan and Singapore. The company also carries out scientific collaboration with Japan.

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