

DRIVE TLV / Startup Catalog

Japan - May 2024



CorrActions is disrupting the brain-computer interface, providing software-only brain activity monitor using motion data from sensors available in any digital device, allowing reliable brain monitoring on the go. CorrActions enables OEMs and mobility operators to understand drivers' and passengers' cognitive states - fatigue, inattention, anxiety, alcohol, etc. - and take action.

Ilan Reingold, CEO

[Website](#)



Kardome

Kardome's spatial voice technology, known as "spot-forming," enhances speech recognition, tracks speakers, and operates directly on edge devices. Kardome Mobility software, founded on this technology, is the only technology that captures up to six speakers across three seat rows using a single overhead mic array. It isolates speech, reduces background noise, and accurately identifies the speakers.

Dani Cherkassky, CEO

[Website](#)



Lidwave has developed a revolutionary coherent perception sensor-on-a-chip. This proprietary technology offers an in-depth grasp of environmental dynamics, delivering unparalleled precise Depth and Instantaneous Velocity data. It bridges the physical realm with the digital space. Lidwave's sensor is primed to redefine automation across sectors like Automotive, Industry 4.0, and Smart Cities.

Yehuda Vidal, CEO

[Website](#)



Enervibe has developed a breakthrough kinetic energy harvester, powering mobile IoT devices by converting vibration and rotation into electrical energy. The harvester charges wireless sensors, enabling seamless data transmission to a remote receiver via Bluetooth. In applications such as smart tire sensors, it relays crucial information to commercial fleet managers and decision-makers including temperature, pressure, weight, wear and road conditions, enabling enhanced efficiency, safety, sustainability and cost-reduction.

Offer Shachar, CEO

[Website](#)



Arbell Energy's revolutionary solar cell is an unparalleled breakthrough in renewable energy. With their cutting-edge technology, they have created a remarkable solution, increasing the efficiency of thin film solar cells.

Lior Bar Shalom, CEO

[Website](#)



nT-Tao is building a compact fusion reactor that will generate 10-20 MW of electricity. The reactor is highly scalable and will be about the size of a shipping container, ensuring clean fusion energy wherever needed. nT-Tao's unique solution relies on a proprietary plasma heating method which is expected to reach 1000 times higher density than other fusion reactors, thereby making its fusion reaction 1 million times more effective.

Oded
[Website](#)

Gour-Lavie,

CEO

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ADDIONICS

Addionics is creating the next generation of batteries with smart 3D metal architecture. The company's smart 3D electrode battery architecture improves multiple performance parameters; doubling lifetime, increasing range by 100% and reducing charging time by 50%. This contributes to lower CO2 emissions by replacing ICEs and generating less waste.

Dr. Moshiel Biton, CEO

[Website](#)

DeepKeep

DeepKeep's enterprise software platform provides a suite of AI protection tools for the entire AI development and deployment lifecycle. DeepKeep protects ML systems by providing real-time attack detection and alerting, vulnerability assessment of pre/post-deployment models, and advanced tools for hardening and deploying ML according to policies.

Guy Sheena, CBO

[Website](#)

foretellix

Foretellix provides an innovative platform for testing and validating autonomous driving systems. Leveraging semiconductor industry methods with hyper-automation, big data analytics, and AI, the platform efficiently manages extensive testing to ensure safety, reduce costs, and expedite ADS deployment.

Ziv Binyamini, CEO

[Website](#)

SMX

Security Matters Ltd (ASX:SMX) has commenced commercializing its innovative patented platform technology service (originally developed by the Israeli Atomic Agency) and holds close to 100 patents, in various stages of approval, to permanently and irrevocably "mark" any object either solid, liquid or gas. SMX is the leader of Industry 5.0 evolution enabling companies to transform from a linear to circular economy.

Haggai Alon, CEO

[Website](#)

airovation technologies

Airovation's groundbreaking carbon capture technology efficiently deals with high concentrations of carbon dioxide, and simultaneously allows a circular economy. By transforming carbon dioxide into valuable industrial minerals and products that can be used across a wide range of industries, Airovation presents an economically viable answer to one of the greatest challenges that humanity is facing.

Marat Maayan CEO

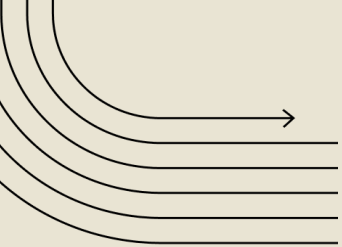
[Website](#)

RIDEVISION

Ride Vision is a unique Advanced Rider Assistance System (ARAS) tailored to meet the safety needs of riders. Their industry-leading Collision Aversion Technology (CAT™) is a fusion of Artificial Intelligence (neural networks) and Computer Vision, and is designed to seamlessly integrate with all motorcycle and scooter makes and models.

Uri Lavi CEO

[Website](#)



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Tupaia's Cloud-Based Positioning Service is A Unique Solution Architecture based on a software only approach agnostic to the selected hardware (GNSS receiver). Tupaia's software seamlessly integrates with modern connectivity and telematics platforms, and interfaces with the cloud platform. Our cloud platform provides a robust and accurate positioning solutions in accordance to the clients' SLAs.

Nadav Lavi, CEO

[Website](#)