

2019

CES 2019 ISRAEL PAVILION- EXHIBITOR CATALOGUE



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ISRAEL EXPORT INSTITUTE

The Israel Export & International Cooperation Institute

The Israel Export & International Cooperation Institute (IEICI), supported by member firms, private sector bodies and the government of Israel, advances business relationships between Israeli exporters and overseas businesses and organizations.

By providing a wide range of export-oriented services to Israeli companies, and complementary services to the international business community, IEICI helps build successful joint ventures, strategic alliances and trade partnerships.

Israel has more than 500 consumer electronics and digital media companies whose offerings span the range of innovative solutions. They are active in the mobile device, smart home and smart TV, video and gaming, automotive, wearables, Internet of things and many other arenas. IEICI is committed to advancing the Israeli consumer electronics and digital media industries by bringing together Israeli companies and leading consumer electronics companies from around the world.

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Ministry of Economy and Industry Foreign Trade Administration

The Foreign Trade Administration

The Foreign Trade Administration (FTA) at the Israeli Ministry of Economy and Industry manages and supports Israel's international trade and trade policy by promoting trade and exports, initiating and maintaining trade agreements, attracting and facilitating foreign investments and creating strategic cooperation with foreign companies. Through our headquarters in Jerusalem together with 45 economic and trade missions in key financial centers throughout the world, the FTA promotes Israel's economy worldwide.

Israel's economic and trade missions are at the forefront of the Israeli government's efforts to boost our industries in foreign markets. Our team of highly experienced economic representatives and business consultants provide a wide range of services to Israeli companies and to the international business community.

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CES 2019

Company Profiles



Category: • AR/VR



2Sens turns any dual-camera device into a Mixed-Reality device - AR glasses and smartphones

Solution at a Glance

Mixed-Reality in real-time: 2Sens solution turns any device with dual-camera to a Mixed-Reality device. The solution allows to truly mix between the virtual content and the real world, including Occlusion and Interaction. All, while the real-world is dynamically changing. 2Sens real-time solution is applicable for both AR glasses and smartphones.

Technological Innovation Product Differentiation

As oppose to AR, in which the virtual content is always overlaid on top, 2Sens developed a unique solution to naturally mix the virtual content into the real world. By fully understanding the scene, Occlusion between virtual and real objects is solved as well as interaction between them. 2Sens SW runs in real-time, hence supporting dynamically changing real world. In addition, Multi-User MR experience is also supported. i.e. multiple users looking at the same real world, seeing the same virtual content, each one with his own occlusion, and interacting simultaneously.

Our Offering

2Sens offers OEMs of AR glasses and VR headset a full SW engine and SDK that will turn their device into a Mixed-Reality device. Together with the plug-in we provide, all AR applications and games can easily become full Mixed-Reality experience.

2Sens offers enterprises and corporates who use VR/AR as part of their training and supervising process, a tailored SDK that will boost the efficiency by making it full Mixed-Reality experience.

2Sens partner with smartphones brands to make their dual-camera phone a Mixed-Reality device. So no more AR "stickers" - everything is naturally mixed into the real world.

Category: • AR/VR



Turning Mobility into Utility

Solution at a Glance

We provide solutions based on mobility and location data, for analysis, prediction, optimal recommendation and user engagement based on our customers' users surroundings. Through our technologies, we provide the ability for businesses to understand their customers better.

Technological Innovation Product Differentiation

JedAI, the on-handset AI engine that uses on-device sensors to learn, predict and better engage the users based on their context and location, fully independent from back-end server communication - providing the ultimate privacy management and low battery consumption. Blsense, the big data analytics solution that delivers, analyzes, and compares footfall information for any geographical area, based on anonymized foot-traffic data.

Our Offering

Anagog's technology has the ability to enhance the value of mobility and location based contextual services within multiple industries. JedAI, the on-handset AI engine analyzes multiple on-handset sensor signals to understand the mobility status and location of the handset owner. The unique technology achieves the highest number of real-time and predictive mobility statuses per user. This contextual data, combined with machine learning algorithms, can be used to significantly improve the user's experience with richer contextual services that are offered at the right time and place. Predict what they are likely to do next, while providing location intelligence and business analytics.

Category: • AI • Compute Vision

• Vehicle Technology

Brodmann17

A game-changer software technology company that can run deep learning vision on edge devices

Solution at a Glance

We developed a game changer neural network technology that can run deep-learning vision even on commodity processors. Our technology achieves highest accuracy results while consuming only a fraction of computing power making it an excellent solution to the industry's toughest demands of autonomous vehicles and Advanced Driver Assistance.

Technological Innovation Product Differentiation

Brodmann17's advanced deep learning vision algorithms produce state-of-the-art vision accuracy utilizing only a fraction of the computing power.

Our algorithms are highly accurate and efficient allowing us to run deep learning vision algorithms on your hardware such that the memory footprint, power consumption, latency and throughput are optimal. Brodmann17 has an innovative approach for the neural network: sharing calculations and weights. That creates smaller models and effectively requires fewer calculations at runtime (inference) and enabling us to run on commodity embedded platforms.

Our Offering

A game-changer software technology company that can run deep learning vision on edge devices. Our cutting-edge deep learning software architecture achieves industry best performance and high accuracy using only a fraction of the compute power allowing us to run even on CPU environment. Brodmann17 can run on any processor and use the existing hardware to enable deep learning vision where no one else can.

The software is designed for the industry's toughest standards of the IoT and the automotive environments led by a serial entrepreneur and world-class technologists

We are Partnering with global OEMs and Tier1 leaders to define the automotive future platform and applications.

Category: • AR/VR

• E-commerce & Enterprise Solutions



The revolutionized immersive experience in retail

Solution at a Glance

Byond provides a new visualized experience by empowering brands & retailers to create immersive experiences. Byond's XR visualization engine redefines the way consumers shop online from product discovery to purchasing.

Technological Innovation Product Differentiation

Byond's XR visualization engine redefines the way consumers shop online from product discovery to purchasing. Retailers can build their own 360 E-commerce stores and personalize them based on data analytics and consumer behavior. The XR cloud based platform can be easily integrated to the retailer backbone and be supported by any browser and embeddable in app/web-site. We use the power of today's mobile devices by using its camera and different sensors.

Our Offering

Byond is a leading provider of immersive E-commerce and marketing technologies. Byond has been empowering brands to create immersive experiences that increase engagement and loyalty. Today, the E-commerce user experience is broken, the online shopping is boring and the experience is tedious, cost rates are high and E-commerce conversions are very low- mobile conversion rate is only 1%.

With Byond, you can reduce returns rate of products, increase your customer engagement, conversion rates, and bucket size! Byond has been working already with top tier brands and companies such as Coca-Cola, HTC, KFC, Turner and many more! Join us and start looking Byond!

- Category:** • Smart Cities • Smart Home
• Sports Tech • Vehicle Technology
• Wearables • Wireless Devices & Services



CipherSiP is offering a new invisible communication channel within the mobility and industrial ecosystems

Solution at a Glance

CipherSiP created a way of authenticating components and messages travelling between them using watermarking technology. Our technology also transfers up to 3 times the data within low-bandwidth automotive and industrial protocols such as CANBUS, and unlike other solutions, we do not "touch" the CANBUS or create any other non-standard interference.

Technological Innovation Product Differentiation

We are fully compliant with the relevant legacy and industry-accepted standards and protocols, and do not cause any change in the normal operations involving them.

Our Offering

CipherSiP can provide multiple delivery models of our enabling technology and solutions, and we do so according to our partners and clients' needs. We work with partners within the automotive space, including car manufacturers, ECU and components vendors, silicon providers and others, to define and deliver the best solution to their specific needs.

We can provide our products via software, hardware, embedded and end-to-end solutions. In addition, we can provide supporting services and products, which integrate with other solutions, adding our authentication, enhanced communication abilities and a combined solution - according to the partner's definition.

Category: • AR/VR



Real-time Intelligence™ on top of any real-world scene captured by standard video.

Solution at a Glance

Edgybees brings full visibility and understanding to any dynamic scenes by creating collaborative virtual worlds on top of any real world scene. This Augmented Real-time Intelligence™ fuses computer vision, multi-sensor data analytics and 3D video generation to provide a simple visual layer of highly accurate, real-time information.

Technological Innovation Product Differentiation

Edgybees brings instant clarity to even the most complex operational environments. Edgybees Augmented Real-time Intelligence technology creates virtual worlds on top of any real world scene, providing a simple visual layer of highly accurate, real-time information. A unique fusion of computer vision, multi-sensor data analytics and 3D video generation enables unprecedented collaboration between field and remote teams in real-time when every moment, every move and every meter counts.

Our Offering

Edgybees brings instant clarity to even the most complex operational environments. Edgybees Augmented Real-time Intelligence technology creates virtual worlds on top of any real-world scene, providing a simple visual layer of highly accurate, real-time information. A unique fusion of computer vision, multi-sensor data analytics, and 3D video generation enables unprecedented collaboration between field and remote teams in real-time when every moment, every move and every meter counts. Edgybees offers First response SW suite.

First Response Pilot app- an AR mobile app for drone pilots

First Response Tracker - Mobile app that transforms your mobile phone into a blue force tracker.

Command and control - PC app for incident commander creating clarity and collaboration within even the most complex operational environments.

Edgybees offers SDK designed to create Augmented Reality applications for complex environments.

Category: • Smart Home

• Wireless Devices & Services



Firedome provides home IoT vendors with highly specialized, continuously evolving and practical cybersecurity software solutions.

Solution at a Glance

Firedome developed a unique EDR solution for smart home IoT. Our software-only product can be installed on devices at any time, even deployed devices. The devices continuously adapt to new threats and provide an autonomous cyber solution to vendors. Our agent protects against all major cyber threats including DoS, RCE, crypto jacking etc.

Technological Innovation Product Differentiation

We lead the emerging market of IoT security solutions. We differentiate ourselves by putting home IoT vendors – rather than the end users – at the center of our security solution. We have developed a proactive protection agent for home IoT products; an innovative adaptive security solution that reacts to the ever-changing cyber threat landscape. The solution is powered by AI and a team of cybersecurity analysts. Moreover, our product is software-only and aftermarket, and can be easily deployed on IoT products through a remote software update.

Our Offering

There is more at risk than solely a customers' safety; cyber-attacks are costly for businesses. Researchers at UC Berkeley found that a Mirai botnet attack could cost a company \$13.50 on average per device. Secure solutions are necessary to protect business operations. Firedome EDR solution for home IoT vendors offers endpoint security for Linux embedded system. We give home IoT vendors the peace of mind to design and deliver best-in-class IoT products while we take care of security. The benefits include: protect brand equity, reduce unexpected urgent releases of security fixes, reaching and retaining security and privacy, and CTA/ISO standard compliance.

Category: • Smart Cities • Smart Home
• Vehicle Technology



Developer and manufacturer of light control technology.

Solution at a Glance

Gauzy is a vendor of material science and globally recognized leader in the development of LCG® (Liquid Crystal Glass) and other light control technologies such as SPD. Films with these technologies can either be laminated into, or retrofitted onto, transparent materials such as glass, allowing it to switch from transparent to opaque.

Technological Innovation Product Differentiation

Gauzy's LCG films have the lowest haze and best optical performance in the industry. Our patented controllers have dimming capabilities that allow films to be gradually controlled to different degrees of opaque. That can be installed up to 80 meters away from the glass and have frequency control to eliminate flickering. One controller can operate up to 10 sqm of film using only 70 volts AC. Gauzy is the only supplier of LC technology at the forefront of the automotive industry. We have over 10 unique patents. Currently Gauzy and Hitachi are the only two companies in the world that can develop and manufacture SPD films.

Our Offering

Gauzy offers premium RetroFit or Laminated LCG technology, characterized with ultra-low haze and highest optical performance. Glass can switch from transparent to various levels of opaque on demand while controlling ultraviolet, visible and infrared light. It also allows unique morphology for HD images and video projection for location and time-based polite advertising for commercial vehicles or car sharing programs. LCG is also used as sun shading for windows or panoramic sunroofs with a gradual control of opacity, in-vehicle entertainment and privacy partitions for luxury cars. We can supply large volumes for serial production and all applications have the ability to turn transparent or can be gradually controlled to different degrees of opaque.

Category: • AI • AR/VR



• E-commerce & Enterprise Solutions

Hexa is an AI based platform that is disrupting the way 3D content is created.

Solution at a Glance

Hexa is an AI based platform that is disrupting the way 3D content is being created. Their technology, across all 3 main focus categories (Fashion, Furniture and consumer electronics), makes it easy to create, scale and distribute 3D content by automatically converting your customers' existing 2D images into VR, AR & 3Dweb compatible assets.

Technological Innovation Product Differentiation

Data - Serving our code to over 150M online shoppers allows us to maximize every 3D model value by properly reconstructing it. Network effect - Hexa is the only company that is able to distribute 3D assets into the world largest platforms and by doing so, significantly increases the amount of available inventory and potential value curated in every 3D asset. Content requirements - We are able to create 3D assets from as little as one image. Whenever even the basic visual information is missing, we use our 3D database and similar items algorithm to lower content creation time and cost.

Our Offering

3D product pages - Convert your inventory into 3D and embed it inside your product pages, in order to increase both your shoppers engagement and conversion metrics.

Furniture renders - Cut-shooting costs and shorten visualization time by converting your inventory into 3D.

Fashion renders - Use the power of 3D for agile design and change the way you develop, produce and market your products.

E-mail marketing - Use 3D animated gifs to dramatically impact your CTR.

Facebook 3D newsfeed - Stay ahead of the curve and create a 3D news feed to lower your social media customer acquisition costs.

AR SDK - Use your newly created 3D inventory to show your products inside shoppers homes.

Category: • Health & Wellness • Smart Cities

• Water Quality Sensor

• Wireless Devices & Services



Lishtot - water quality lab in your palm. Lishtot's TestDrop detects contamination in water in two seconds.

Solution at a Glance

Lishtot TestDrop Pro is the first personal water-detecting device. At a retail price of \$50.00 and an expected lifetime of at least 5,000 tests, the TestDrop Pro allows you to test your water for about 1 penny per test.

Technological Innovation Product Differentiation

Lishtot's proprietary technology platform uses electric field sensors to determine the profile/quality of a given water sample. This technology is at the heart of all of our water quality detection devices, including the TestDrop Pro and the follow-on TeStraw and TestPipe.

Our technology is premised on fundamental chemical principles; the interplay between water and a testing cup generates a distinctive electric field. Contaminants present in the water will cause interference, leading to the creation of a distorted electric field.

Our Offering

Water quality is "National Priority" in the USA. According to the EPA about a third of the people in the US consumes dangerous water.

Lishtot helps you test water before you drink it. In just a few seconds, you can know if we find contaminants like lead, E. coli, pesticides, and PFOA.

With our personal water tester, you can test tap water, bottled water, and natural water from rivers and streams. Then connect to the app to track your detailed test history, submit your data to our Global Water Map, and upload video, pictures, and comments.

Lishtot's first product - TestDrop Pro is available online and offline. We will launch later this year our next product and business model.

Category: • AI • Health & Wellness

The logo for Lumen, featuring the word "Lumen" in a lowercase, sans-serif font. The letters are white with a soft purple glow or shadow effect behind them.

First device to hack your metabolism, lose weight and optimize your workouts.

Solution at a Glance

In a single breath, take the guesswork out of your nutrition. Lumen is a device and app that measures your metabolism through the breath. With the app, you will receive daily personalized.

Technological Innovation Product Differentiation

Lumen is the first device of its kind that measures metabolism in a single breath. Never before there has there been a technology like this available for personal and at home use. Our product is different because it's based on an AI system that takes into consideration a user's lifestyle, preference, personality, and physiology to create a personalized experience. The more the user uses Lumen, the better it gets. Rather than a single measurement and fixed regimen, Lumen continuously provides users with minute-to-minute guidance.

Our Offering

Track & Monitor your metabolism in just a single breathe to see if your body's burning fats or carbs for fuel & receive personalized daily guidance on how to excel beyond your weight loss & fitness goals. Get a daily-personalized nutrition plan based on your individual metabolism. Discover how the foods you ingest impacts your metabolism & what's preventing you from reaching your goals. Checkout if you have enough energy before your workout or if you should fuel-up. Breathe afterwards to see the impact that workout had on your body. Lumen takes the guesswork out of your nutrition & answers questions about your body that were not possible before.

Category: • AI • Health & Wellness • Wearables

The logo for NanoScent, featuring the word "nanoscent" in a lowercase, sans-serif font. The letters are a vibrant purple color, and the text is set against a light yellow rectangular background.

NanoScent makes human scent readable. Imagine that your smartphone could identify, recognize and analyze scent as easily as it takes a photo.

Solution at a Glance

NanoScent makes human scent readable, similar to image and voice recognition which are part of our everyday digital world. The first Scent Recognition application developed was finding true love, in which a couple's matching likelihood is predicted based on skin scent.

Technological Innovation Product Differentiation

NanoScent technology consists of volatile organic compounds sensor and scent recognition software. The sensors utilize coated nanoparticles chemical resistors, which change their electrical signal once, exposed to scent. The electrical signals of the array represent the scent fingerprint. Using tagged data and machine learning algorithms the scent is recorded in the cloud. NanoScent's scent recorder requires 10-60 seconds to take a fingerprint. This enables to quickly train the system to recognize new scents.

Our Offering

The core team includes domain experts from multiple industry disciplines. Oren Gavriely, CEO & Eran Rom, CTO are co-founders of NanoScent, Oren is a serial entrepreneur and Eran is a versial code developer. Continuing the developments of Prof. Hossam Haick from the Technion, a partner of NanoScent. Research being led by Dr. Orna Barash, Raneen Jeries & Hardware development by Dr. Yair Paska all former students of Prof. Haick.

NanoScent business model includes strategic partnerships with consumer brands. Licensing deals to integrate sensors and software services within the customers' products, providing:

- Sensors manufactured in-house.
- APIs & Data analysis.
- Engineering customizations support.

Homecare Scent Applications:

- 80% of the household health spending is done by women. Working age females spend 29% more than males on healthcare.
- KASHA - Scent App #1: Helps mothers relax after birthing by understanding their babies' feces and urine.
- Ovulation - Scent App #2: Updates women on their fertility cycle based on urine scent and tracts microbiome changes.
- Skin - Scent App #3: Tells people to freshen up by objective body odor measures.

Category: • AI • Vehicle Technology



A car that drives and flies, accessible to everyone. Safe, easy to use, autonomous, low cost.

Solution at a Glance

2 or 4-seater electric Vertical Takeoff and Landing (eVTOL) is both a car and airplane: drives on the road, park on the street or in a garage, and flies like an plane. People can live within 150 miles outside a city and easily commute in less than 1-hour, door-to-door.

Technological Innovation Product Differentiation

- Aerodynamic vehicle design
- Eco Power eVTOL Power System
- Autonomous and AI system
- EV road driving system
- Proprietary analysis simulation software
- Blockchain and AI platform
- Team with 20 to 40 years of experience building world-leading UAVs (Unmanned Aerial Vehicle)

Our Offering

NFT is developing autonomous commuter transportation solutions that use zero emissions technology and operate in the airspace above cities. Our fully Electric Vertical Takeoff and Landing (VTOL) for two or four passengers that can drive and be parked like a car and fly like an airplane. Comfort and safety of a family car/taxi, user friendly and efficient autonomous operation. People can live within 100-150 miles of a major city and have an easy, stress-free commute to work in less than 1-hour, door-to-door. Reduced transit congestion can lead to a higher quality of life in mega-cities. NFT has engineering teams in Silicon Valley and Israel with bold and innovative minds.

Category: • AI • AR/VR

• E-commerce & Enterprise Solutions

Qlone - All-in-one app for 3D scanning



Solution at a Glance

A perfect tool for AR/VR (Augmented Reality) content creation, 3D Printing, STEM Education, E-commerce showcase and many other uses.

Technological Innovation Product Differentiation

We have made it easy and fast to scan real objects, using your phone's camera, modify them in app and seamlessly export the result to many platforms, 3D file formats and 3D printers... all on your smartphone.

Our Offering

Scanning real objects has never been easier. Just print the included AR mat, place your object in the middle of the mat and let the Augmented Reality dome guide you through the scanning process.

With Qlone, there is no waiting time, all processing is done live on your phone in seconds and you can even scan the object from two different angles and it will be auto merged for better and more complete 3D results.

Qlone can handle many different types of objects and materials, which other competing solutions simply cannot.

Its the fastest and most cost effective solution to create 3D models for your AR/VR needs or to showcase your products online, especially with the new AR Quick Look feature from Apple.

Sixdof Space

<https://www.sixdof.space/>

Category: • AR/VR • Robotics

• Vehicle Technology



Ultra-fast optical tracking

Solution at a Glance

Sixdof Space has created a bold, new optical tracking technology paradigm that offers the long-awaited breakthrough in both speed and accuracy. We combine optics, electronics and algorithms in a single package for deployment in products currently in development in multiple industries – with an initial market focus on the VR market.

Technological Innovation Product Differentiation

Our installation-free technology leverages existing room lights, without modification, to serve as location beacons. Embedded in any manufacturer's existing hardware, our products will report accurate position at a very high speed, to any host system – be it a VR headset or other mass-market product. This patent-pending approach yields a product with the unique and sought-after combination of low-cost, low power, and a game-changing latency as low as 1ms, with fresh data supplied at each cycle.

Our Offering

We are offering a bold, new optical tracking technology component for OEMs to implement into their products. Our product will include three sensor modules, the electronics needed to run the modules and the SLAM based algorithms to process the data. The sensor module will include our custom designed optics and a linear sensor.

We are planning two versions; one version will output the raw tracking data and our algorithms will run on existing processing power of the host. The second version will include a lightweight processor that will run our algorithms and provide the host with the 6DOF tracking data.

Solution is also appropriate for non-VR users, our device can be included as part of the tracking system for an indoor robot, drone or any moving part in a warehouse or factory.

Superb Reality Ltd.

<http://www.superbrealty.com/>

Category: • AR/VR

SUPERB REALITY

Superb Reality develop gesture control and hand tracking software solutions for AR/MR glasses and smartphones.

Solution at a Glance

The Superb AR Awards Winnings Hand Motion software solution and SDK work with any built-in RGB, grey-scale or stereo camera. Providing a robust, low CPU and power consumption, yet a cost effective, natural and flexible hands-motion control and interaction with any AR/VR content, menu or game.

Technological Innovation Product Differentiation

The Hand Motion and gesture-tracking suit is based on hybrid layers of AI, machine learning, low and high-level computer vision algorithms, imaging optics and light field. Supporting an unlimited number of gestures for one hand, two hands or more, with any skin tone, lightning conditions and backgrounds. Our team has an experience in shipping advanced computer vision solutions for tens millions of consumer electronic devices.

Our Offering

The Superb Reality offering provide the best mix of all worlds: flexible, robust, natural, cost effective, no additional hardware is needed. We offer SDK and a complete infrastructure to allow device manufacturers and platform players to integrate hand motions and gesture control solutions that use the current camera in their device, without the need to invest in expensive 3D or depth cameras. Content, menus and games on both AR smartphones and MR, VR and AR glasses and HMDs are missing today a natural interface. Current solutions in the market like touchpads, dedicated controllers, 3D/stereo cameras do not provide a good enough mix of natural, cost effective and robust solution. The Superb Reality solution solve those challenges.



Category: • AI • E-commerce & Enterprise Solutions



Syte offers retailers AI and image recognition-powered solutions to streamline retailer's back end processes and improve shopper experience.

Solution at a Glance

Syte provides visual AI technology to retailers allowing their shoppers to search with images and connect social media to the purchase journey, while enabling retailers with detailed and accurate textual tags for their inventory using only the product image.

Technological Innovation Product Differentiation

Syte's visual AI technology is powered by their own proprietary deep learning algorithm. Able to detect gender, multiple items and nuanced characteristics, Syte's algorithm is the most advanced on the market today.

Our Offering

Syte offers retailers next-generation visual AI to allow their shoppers to use visual search to find exactly what they are looking for within any retailer's inventory by simply uploading a photo. Syte also offers InstaSearch, allowing retailers to use their shoppers' inspiration on social media to drive purchases. Deep tagging is a solution that automatically attributes textual tags to a retailer's entire inventory from just the product image. With detailed and accurate textual tags, retailers are empowered with stronger metadata as well as improved textual search. With Syte's solutions, shopper's online experience is fast, accurate and easy. By using visual search to offer shoppers only items that relate to those that they have already shown interest in, Syte increases AOV, basket size and page visits.

Category: • Robotics • Vehicle Technology



Next-gen SWIR technology allowing autonomous vehicles to see at any condition.

Solution at a Glance

TriEye's SWIR imaging is imperative for ADAS and AV's as it providing new, highly valuable imaging data which standard vision cameras simply cannot see; allows superior sight under any condition, improving safety and enabling the autonomous car revolution.

Technological Innovation Product Differentiation

TriEye unique semiconductor design uses patent-pending technology, which allows the production of shortwave infrared (SWIR) cameras at a fraction of their current cost. While existing solutions rely on expensive InGaAs-silicon process, our patented Silicon based SWIR detector is a CMOS compatible solution, which leads to X1000 cost reduction comparison to similar solutions, all the while maintaining high performance levels.

Our Offering

TriEye is developing a transformative technology to address the challenge of smart and autonomous vehicle safety under adverse weather/low visibility conditions. The company's unique semiconductor design uses patent-pending technology, which allows the production of shortwave infrared (SWIR) cameras at a fraction of their current cost. TriEye's solution allows superior sight under any condition, improving safety and enabling the autonomous car revolution. Our technology is the product of over 6 years of research led by professor Uriel Levy, a world leader in nano-photonics. Established in 2016, headquartered in Tel-Aviv and chaired by Dov Moran, the company's team specializes in device physics, process design, and electro-optics.

Category: • AI • Audio/Video • Sports Tech

- E-commerce & Enterprise Solutions
- Family & Kids Technology
- Health & Wellness



Behavioral Biometric Bot Detection. Serve Only Humans on Web & Mobile.

Solution at a Glance

With consumer device sensor data, we detect anomalies in human-device interaction using Machine Learning, in real-time on a specific user-flow.

Technological Innovation Product Differentiation

Unbotify's solution protects the user flow and uses machine learning models to detect anomalies within a specific web context. Unbotify's focus on behavioral biometrics data (sensors: mouse, keyboard, touch, device orientation) guarantees we detect even the sneakiest bots with unprecedented accuracy & durability.

Our defense is a quantum leap in the bot detection market, as the data set analyzed is very difficult to spoof, especially at scale and when analyzed on a specific flow. Essentially tipping the economic model in favor of the defender.

Our Offering

Some reports place bots at 50% of all internet traffic. Some bots are good, some are unwelcome and some are downright malicious.

Real-Time Mitigation of Bots at the highest accuracy is now possible for a wide range of use cases. Anyone can now defend:

- Account Take Overs (ATO)
- Fake Registration / Signup / Leads
- Mitigating paid marketing waste from ad-fraud.
- Scraping (bots stealing content)
- Scalping (of tickets to events or limited supply items).
- Checkout Fraud
- Payment Fraud
- Credential Stuffing
- Fake engagement on social media

Bots are how fraudsters scale their cyber-criminal schemes. Any data-driven operation should know their human-to-bot exposure to ensure their efforts across departments are serving humans best.

Category: • AI • Smart Cities • Traffic Safety
• Vehicle Technology



AI-driven mobility solutions for smart cities.

Solution at a Glance

Waycare is an AI-powered smart mobility platform that enables cities to take control of their roads by harnessing in-vehicle and municipal data for predictive insights and proactive traffic management. Waycare improves traffic safety and helps agencies manage incidents & congestion in real time and predict future crashes.

Technological Innovation Product Differentiation

Waycare is an entirely cloud-based solution that integrates into existing legacy infrastructure and supports a broad range of in-vehicle and external data. This enables the easy and rapid deployment of our solution (3 to 6 months) and long-term guarantee of compatibility with new technologies and connected/autonomous vehicles.

Our Offering

Waycare's platform is designed for a cloud environment, enabling seamless communication and data sharing between agencies to support existing workflows and incident management operations. Solutions include but are not limited to:

- Traffic Management Operations - Transportation management platform enabling smarter traffic operations, proprietary automated incident detection.
- Law Enforcement & Emergency Services - On-board automated incident detection & forward-looking alerts of dangerous roads for proactive dispatch resource allocation.
- Roadway & Safety Service Patrol - Real-time operations platform harnessing in-vehicle data for strategic incident management to reduce congestion and improve traffic safety.
- Traffic Engineering - AI-driven analytics & insights empowering data-driven decisions for improved road safety, traffic flow & road design assessment.

Category: • Audio/Video • AR/VR • Sports Tech
• Vehicle Technology • Wearables



Disrupting the field of haptic technology with a fundamental patent portfolio and products that deliver high fidelity tactile sensation.

Solution at a Glance

Woojer's patented Oscillating Frame Actuators deliver outstanding performance with an optimal combination of tactile sensation, size, weight, and power consumption – making it a perfect fit for any haptic application.

Technological Innovation Product Differentiation

In complete contrast to existing mechanical haptic actuators – Woojer created a revolutionary polyphonic haptic technology that behaves like a musical instrument. The patented component delivers an exceptional haptic experience with extraordinary benefits to a wide range of sensory applications.

Our Offering

Ryg™ completely immerses you into your experience allowing you to live worlds that do not exist. Whether playing games or in a VR world, the location-specific sensation catapults you to new heights by literally letting you feel your environment. The precise high-fidelity haptic transducers deliver multiple sensory input to both the front and the rear of the body thereby creating a full-surround experience.

From the press:

- CNET - "Makes Virtual reality a bit less virtual...Vest vibrates you right into VR"
- TechTimes - "Gaming is ready to get an extra layer of authenticity"
- The Stack - "A new consumer wearable that offers an innovative technique...previously experienced only in theaters"



Redefining Innovation

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2. *ISRAEL CES 2019 Investors Catalogue*, The Israel Export & International Cooperation Institute, November 2018; Production: IEICI Media and Communication Division.

