Redefining Innovation

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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.
Foreign Trade Administration

Israel’s Foreign Trade Administration at the Ministry of Economy, is responsible for managing and directing the international trade policy of the State of Israel. The Foreign Trade Administration operates over 40 economic missions in countries all over the world, each with a team dedicated to fostering trade and investment between local companies and Israeli companies.

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Solution at a Glance

Alango Technologies Ltd. is a leading developer and licensor of front-end DSP technologies for voice communication and mobile audio. Alango's worldwide customers include companies of different scale covering a wide product range. Alango technologies can be found in in-car infotainment systems, after market hands-free car kits, navigation systems, mobile phones, Bluetooth headsets, audio conferencing systems, intercoms, assistive listening devices, security and military applications. Further information about Alango can be found at www.alango.com

The product is innovative and has impact on the market place

Alango specializes in voice and hearing enhancement within the consumer electronics market. Hearing is a vital sense and crucial to leading an enjoyable life since it is a fundamental means of interaction with the world. Consumer electronics devices are the gateway to voice communications. Alango's software enables these electronic devices to have superb voice and audio performance.

Our Offering

Alango licences signal processing software for acoustic signals. This software runs on a chip called a Digital Signal Processor (DSP). Alango's software mitigates problems such as echo and noise specifically. Additionally, Alango offers a comprehensive portfolio of voice and audio enhancement software.

Company References & Strategic Partners

Alango's solutions run on computational cores from ARM, CEVA, and Synopsis. Additionally, Alango is a 3rd party vendor to CSR/Qualcomm, Analog Devices, ST Microelectronics, and other semiconductor companies.
Solution at a Glance
BreezoMeter mission is to provide the most advanced real time, street level, air quality data worldwide, therefore improving the health of billions of people. The company uses proprietary software technology, that analyzes air quality data from thousands of sources, to map air quality, understand its origin and its dispersion.
BreezoMeter’s technology can be acquired by: (i) Enterprise and SMB: API; (ii) Governmental institutions and Municipalities: Software as a Service (SaaS); and (iii) for Consumers: mobile applications available on Google Play and Apple Store.

The product is innovative and has impact on the market place
It is the first time one can actually see the air it breathes. Air pollution has now become the biggest environmental cause of premature deaths worldwide, overtaking poor sanitation and the lack of clean drinking water. In most OECD countries, the mortality rate from heart and lung diseases caused by air pollution is much higher than that from traffic accidents. In numbers: Outdoor air pollution kills more than three million people across the world each year, and causes health problems from asthma to heart disease for hundreds of millions of others.
BreezoMeter makes the invisible – visible, therefore enabling people to make informed choices about their health and quality of life.

Our Offering
Air quality can change dramatically in a few hours and at a much lower resolution than the weather. In fact air quality flows and disperses through time and space due to atmospheric conditions. From that reason BreezoMeter’s air quality data is perfect for weather, fitness, wearable, health, real estate, smart cities and more. BreezoMeter’s technology can be acquired by: (i) Enterprise and SMB: API; (ii) Governmental institutions and Municipalities: Software as a Service (SaaS); and (iii) for Consumers: mobile applications available on Google Play and Apple Store.

Company References & Strategic Partners
Today BreezoMeter is working with vide variety of companies like: Motorola Solutions Israel, AccuWeather, Drayson Technologies, LifeMap Solutions, AddressReport and more.
Solution at a Glance

Wearable Real Time Monitoring (IOT Technology), designed to respond to the needs of baby and geriatric care during the most critical stages of their lives. For babies, help prevent Crib Death (SIDS), Monitoring nourishment and Hydration levels, urine quantity and quality, and minimize discomfort and irritation to baby’s sensitive skin. For the elderly, monitor quality care, empowering confidence, Independence and dignity. Minimizing urinary track infections, reducing cost of skin treatments, and eliminating waste.

The product is innovative and has impact on the market place

No other product today can offer this kind of benefits to the elderly and baby’s well-being and their caretakers peace of mind. Some products are point solutions for some specific elements, which must touch the skin and body defecation and are not reliable. No other product in the market can provide the scope and breath of information in one concise utility... with accurate ambient data with IOT technology.

Our Offering

A world first unified technology platform with high reliability and low production cost along with strong IP rights that will enable to monitor vital information, in real time, by multiple users in home environment, hospitals and nursing homes.
Solution at a Glance

Extreme Reality’s software technology enables 3D full-body motion control on any 2D camera. That means, any device that has a webcam can track and analyze the person in front of it in real-time. The technology is compatible with any operating system (Windows, iOS, Android etc.) and is offered as an SDK for quick and easy integration. With 21 patents granted worldwide, the company’s Extreme Motion product enables developers to create a wide range of applications that pioneer Natural User Interfaces (NUI), while breaking the physical barriers of current hardware-based technologies. Extreme Reality was founded in 2005 and is based in Herzela, Israel.

The product is innovative and has impact on the market place

Extreme Reality is the only company that provides 3D motion tracking and analysis of the human body (XYZ coordinates) on a webcam. The compatibility to multiple operating systems enables true cross platform.

The technology is easily incorporated on any device with SDK tools and samples and enables seamless cross platform porting.

Our Offering

Our solution enables content providers and device manufacturers to provide their consumers with motion experiences without any additional hardware, utilizing the webcam on the device the user already has.

Any device, smartphones to tablets, PCs to STBs, becomes a motion console without adding peripherals.

Potential use cases: Games, TV UI control, rehabilitation and education content.

Company References & Strategic Partners

Texas Instruments, Marker LLC, Qihoo 360 and SV Angels
Solution at a Glance

GreenIQ, the leader of the smart garden revolution, introduces the innovative Smart Garden Hub. The Hub controls irrigation scheduling based on current and forecasted weather, and saves up to 50% on the outdoor water consumption. The device connects to the internet via Wi-Fi or 3G and is easy to install and setup. The Hub can be controlled from anywhere, at anytime.

The Smart Garden Hub is the only device that connects to a wide variety of smart devices and sensors. It connects to soil moisture sensors such as Flower Power and Koubachi, Netatmo weather station, or a flow meter, and saves even more water.

The Smart Garden Hub, which is widely used by home owners, is also a perfect solution for professional gardeners, irrigation companies, commercial real estate, and municipalities.

The product is innovative and has impact on the market place

Until GreenIQ has saved more than 8,000,000 gallons of water for its community. GreenIQ Smart Garden Hub is an IoT solution that is capable to save California and the world from draught.

Company References & Strategic Partners

GreenIQ current Strategic Partners are:

- AT&T (USA)
- The Home Depot (USA)
- Parrot (France)
- IFTTT (USA)
Solution at a Glance

VUZE is the first, small, portable, affordable, high quality consumer Virtual Reality camera to capture 3D spherical video. Using industry standard virtual reality glasses, viewers can relive and share the recorded events through this immersive video experience.

The product is innovative and has impact on the market place

Currently there are no commercially available solutions for consumers of such a product. VUZE generates a REAL Virtual Reality video, which means a 3D spherical video. Based on our patented technology we produce a superior 3D 360 spherical video content which solves major existing challenges, in the most cost effective way.

Our Offering

VUZE is a unique Virtual Reality package consisting of:
- Camera system capturing 2D and 3D 360 spherical video and still content.
- VR Glasses for viewing the VR video.
- An app for remotely controlling the camera and previewing the scene to be shot.
- Software transforming the recorded video data into immersive 2D and 3D 360˚ content and post-production tools for editing, enhancing and sharing the content.
- Accessories to support the lifestyles of the users.

Company References & Strategic Partners

- www.homido.com
Solution at a Glance
A small and active Wearable cooling / heating mobile device for sport and fitness applications, to reduce the body temperature during / after activities.

The product is innovative and has impact on the market place
The product is innovative and has impact on market because:
A unique solution based on active element, unlike stationary solutions. In addition, the device equipped with 5 sensors for monitoring Pulse Hart Rate, Temp and Humidity, GPS, Ultraviolet and Accelerator.
FRIO is a wearable cooling system that enhances the user performance by reducing the body temperature, empowering and improving the training level, as well as improving the recovery time after physical exertion.
The awareness for healthy life-style and physical fitness training has increased considerably in recent years, creating a new trend of technological sports products and accessories. People wish to work-out and achieve results in the most effective way, while maintaining high motivation. However, high body temperature during exercise is a painful problem that affects physical training - physically and mentally. during exercise, the internal body temperature rises up to 40°C, and over 75% of our energy is wasted on heat.
Research confirms that high internal heat harms the body's functioning during physical exertion and causing exhaustion and nausea. As a consequence, the training's quality declines as well as the workout experience. FRIO was created in order to provide a solution to this problem and allow people benefit more from the first use in a simple, convenient and non-invasive way.

Our Offering
We are offering a unique, competitive, small and lite (100g) wearable active device for sport and fitness applications compares to heavy and expensive stationary solutions.

Company References & Strategic Partners
First option is cooperation with 1st tier sport and fitness companies to penetrate the device into the market.
Second option is using local distributors for sales and marketing.
Solution at a Glance
KIDOZ is the first content discovery platform, helping kids find content they love and helping publishers get their content discovered & monetized by millions of kids. KIDOZ is used by leading OEMs, Carriers and Kids brands around the world.

The product is innovative and has impact on the market place
KIDOZ is using patent pending big data analysis and machine learning technology in order to provide each and every kid with personalized content recommendation stream tailored just for him.

Our Offering
- KIDOZ Mode, SAFE & FUN ENVIRONMENT FOR KIDS Turning any device into a safe entertainment center for kids.
- KIDOZ In-App, A KID-SAFE SDK that Add kids app a new layer of engagement with our Kid-Safe content recommendation widget to boost their revenues
- KIDOZ Network, a marketing platform that allow content owner to distribute their content and get discovered by kids

Company References & Strategic Partners
KIDOZ has over 100 partnerships with OEMS, Carriers, Kids brands and content makers including: Acer, USCellular, SproutTV, Hisense, Deutsche Telekom and many more.
Solution at a Glance
Lexifone provides an affordable, scalable and available technology and solution for consumers and business for in-call interpretation. We offer several solutions that allow users to make and receive calls in their native language. Lexifone's cloud-based SIP/RTP backbone enables 3rd parties to easily integrate their networks with us. Lexifone will enhance its offerings to various industry verticals.

The product is innovative and has impact on the market place
Lexifone is the world's first automated in-call interpreter, for both outgoing and incoming calls. For example, you can pick up your landline or mobile phone in the US, call a person in Mexico, Brazil or Russia and Lexifone will translate both sides of the call automatically, using our Patent protected technology. Lexifone is fully commercial as a standalone service on www.lexifone.com, Amazon, Google Play, iOS as well as through various carriers and OEMs. Our service is also available as an SDK for 3rd party developers such as video conferencing solutions.

Our Offering
• 3rd party developer SDK for Voice translation on top of any voice and text protocols, from PSTN to VOIP
• Call center solution for translating incoming calls
• Android and iOS apps for in-call interpretation

Company References & Strategic Partners
Intel – part of the Ingenuity Partner Program
ZTE – launched a translation app in China in ZTE devices
BT – launched a translation service for police stations
Hyatt – call center using Lexifone
SFR – offering our service to SMBs
Solution at a Glance

BIRD is an intuitive wearable device worn on the tip of the finger that transforms any surface into a multi-touch interface with 3D interactive capabilities. BIRD communicates directly with the user's devices, enabling rich interaction with anything from displayed content and smart home appliances to IOT devices and drones. BIRD is the first device to integrate the entire spectrum of interactive methods – including touch, remote touch, gesture control, voice command, mouse functionality and hover – into a single tiny wearable. This gives users the flexibility to interact with each type of digital content in the most intuitive way

The product is innovative and has impact on the market place

• Bird combines a multitude of sensing techniques in order to deliver pixel-perfect precision enabling the user to captivate a crowd from up to 100 feet away • With Bird, any interactive method is at your fingertips: From surface-touch and remote touch, to gestures, hovering, voice command and more • Bird enables a team of up to 10 people to collaborate and interact together, simultaneously.

Our Offering

Our Offering, Bird – a finger-attached device that makes every space interactive. It’s simple, intuitive and is going to radically change the way we control our digital content. With Bird the you can touch, push, pull, swipe and grab your content from anywhere in the room; You are not limited by your location. BIRD attaches to your index finger and communicates directly with your smartphone, PC or tablet – it’s the true meaning of being free.

Company References & Strategic Partners

1. Distributors of corporate Audio Visuals in conference rooms and smart classroom interactive equipment.
2. OEMs, providing workstations, PC, laptops, tablets and smartphones for in-room collaboration
3. OEMs, suppliers of projectors and screens for visual displays
4. Providers of IOT devices and Drones
Solution at a Glance

Nano Dimension is focused on the development and manufacture of technologies for professional printed electronics applications. The company's DragonFly™ 3D Printer for multi-layer printed circuit boards (PCBs), featuring advanced 3D printing software and cutting-edge nanoparticle inks, give users the ability to inexpensively produce and test advanced PCB prototypes. Nano Dimension's unique and novel technology eliminates the challenges of traditional PCB manufacturing. It provides a high degree of design freedom and makes it possible to produce high-quality functional circuits in hours rather than months by eliminating setup costs, material waste and IP security risks stemming from outsourcing.

The product is innovative and has impact on the market place

Nano Dimension's DragonFly™ 2020 3D Printer for printed circuit boards (PCBs), advanced nanoparticle chemistry and novel software, give users the ability to rapidly test advanced PCB prototypes. The company's unique technology eliminates the frustrations of traditional PCB design. Instead of outsourcing a complex, multi-layer PCB prototyping project, users can bring the process in house and locate and correct errors early, rather than later in the design effort. Nano Dimension's DragonFly 3D Printer provides a high degree of design freedom and makes it possible to produce high-quality functional circuits in hours rather than months, with less IP security risks and reduced costs.

Our Offering

Nano Dimension's DragonFly™ 3D Printer, is the first professional-quality 3D printer designed specifically for the production of multi-layer PCBs. It revolutionizes professional electronics development by allowing designers to test a greater number of more innovative ideas, in less time. Affordable and easy-to-use, the DragonFly makes in-house rapid production of precise, multi-layer PCBs for prototyping and small batch production possible, all in a desktop unit. Efficient, high-quality accurate printing lowers prototyping costs and guarantees no IP security risks as there's no outsourcing. 3D printing with the DragonFly even offers the ability to print PCBs with complex geometries that cannot be produced in any other way.

Company References & Strategic Partners

The company is engaging with leading global corporations as part of its ongoing beta program. These partners include companies from the defense, aerospace, telecommunications and semiconductor industries as well as leading development centers.
Solution at a Glance

Sensibo creates a consumer device that makes any air conditioner smart. As an innovative IoT company tackling a real-world problem with a large market, the company's unique approach is generating significant interest from distributors and large strategic players in the HVAC world. Connecting 1 billion air conditioners to Sensibo’s cloud service would create a superior, personalized experience and save a significant amount of energy.

Sensibo’s service provides better comfort for the user by pre-cooling your home before arrival, improves the comfort during sleep and synchronizes with wearable devices to change the environment’s temperature according to your activity.

The energy saving algorithms adjust the temperature for significant savings without compromising comfort, alerts the user when the filters get clogged and calls a maintenance service when the air conditioner efficiency deteriorates.

The product is innovative and has impact on the market place

It makes the air conditioner work from anywhere using the smartphone, learns and predicts your behavior so it pre-cools the house to your comfort level before you arrive, and helps save energy in the process.

Our Offering

Sensibo offers an end to end solution to connect any air conditioner to its smart service. Both the retail product and Sensibo inside make any air conditioner smart and easy to operate with the smartphone. Sensibo also helps in reducing the energy consumption of the AC.

Company References & Strategic Partners

Electra
Solution at a Glance

Live accurate analysis and recommendations for picture taking, before and after you take the picture with your smartphone or dSLR. Patented technology that uses various hardware sensors (6 patents) to understand the scene and user wishes and catches the best moment to test take the picture. SnapAid technology test movement of device and of subject, test various exposure problems and accumulate data to get higher confidence on quality assessment.

There is no image manipulation or editing, just getting the maximum out of the device camera with user help.

The product is innovative and has impact on the market place

First product to analyze the picture in real time and give live recommendations and quality assessments.

With SnapAid you can avoid trying again and again to take a good picture and in the end get an imperfect picture. SnapAid gives you the confidence of having a system to check the photo for you, and direct you on what to do, so you can enjoy the moment.

Our Offering

Ready to be implemented cross platform SDK for hardware manufactures with a camera on their device. Requirements are OpenGL ES 2.0.
Solution at a Glance
SwitchBee has democratized the smart home. Now every home, new and existing, can be upgraded to a smart home using nothing but a screwdriver. No additional wiring, no drilling, no barrettes, and no professional programming required. Drop-in switch design fits any existing switch bracket at any voltage.

The product is innovative and has impact on the market place
- It is a ‘2 wire technology’ which allows SwitchBee installation and adaptation onto any existing electric wiring infrastructure – quickest and most affordable installation
- The switch is configurable to function as on/off switch, dimmer, 3 way switch, scenario switch and more.
- The system is based on module that with plastic cases can be adapted to any connection box or design.
- An extremely easy and simple interface (without any programming) for saving on operational and maintenance cost

Our Offering
Our Offering today is mainly around smart electricity:
Lights, Dimmers, Electric Shutters, Sockets, HVAC, Water Heaters, Irrigation, garage openers, multisensor, and IR bridge.
Solution at a Glance

Poor posture has become an accepted epidemic that shouldn’t be accepted. Posture is possibly the most sub-conscious expression of ourselves. As technology progresses, those beginning to complain about back pain is decreasing in age. Five years ago, the average age to begin feeling back pain was 18, now this number has decrease to 12. While technology usually brings us down, we are using technology to bring people back upright. UPRIGHT is a wearable that trains you to sit and stand upright. Whether your goal is to look taller, radiate confidence, or be more productive, start and finish each day UPRIGHT.

The product is innovative and has impact on the market place

UPRIGHT is the first posture wearable that directly attaches to the back and provides constant accurate real-time feedback with its dual sensors, in order to efficiently change a behavioral habit. Real time feedback, along with a personalized training program allows for short-term use, long-term results. The number one reason for missed workdays in the US is back pain, and the number one reason for back pain is poor posture. As with most professions, people spend almost their entire day sitting, mostly slouching, therefore, UPRIGHT can have a huge impact on numerous demographics and professions including teens, developers, yogis, gamers, or just about anyone that sits at a desk all day long. With the device, users can sit upright without the use of UPRIGHT after as little as two-three weeks of training.

Our Offering

UPRIGHT is a wearable that attaches to your back and gently vibrates every time you slouch, reminding you to correct your posture. Training with UPRIGHT is effortless and effective. Wear the device for 15min-hour a day to achieve an upright posture. The UPRIGHT mobile app generates a personalized training program customized to meet your individual needs. It gives you real-time feedback as well as posture analytics and statistics, which make tracking your progress simple and intuitive.
Solution at a Glance

WonderVoice is an always-on Speech Operating System (SOS) that allows people to connect to their social networks and apps in an eyes-free environment. WonderVoice offers a mobile app for consumers via app stores and standalone SOS B2B solution for wearables and other smart devices OEMs.

The product is innovative and has impact on the market place

WonderVoice novel solution for voice (only) controlled operating system demonstrates the future of Natural User Interfaces within smart devices.

In addition, WonderVoice enabling technology is now proven and demonstrates outstanding benchmarks results comparing to other leading voice assistants & speech engines. By leveraging data and contextual understanding, its solution is the only to enable consumers with true hands and eyes free interface for safer interaction with social networks (e.g. Facebook, Twitter, etc) and Apps (parking, music, etc.). All done without lifting a finger.

Our Offering

- WonderVoice mobile app via app stores
- WonderSOS and WonderKit SDK for enhancing any consumer solution with a voice assistant functionality without any previous speech knowledge as prerequisite.
- Whitelabel solution for consumer OEMs who wish to include voice assistant as a differentiator in their wearable/smart device

Company References & Strategic Partners

Features as a presenter at SXSW 2014, Mobile Monday, Speech Conference and more.
Strategic partners: Biggest speech technology company (TBA), Glympse (app), ParkMe(app).
App reached the top 10 in the US & CA AppStores (productivity).
Features by TechCrunch, TheNextWeb, LifeHacker, etc.
SparkOfGenius startup competition finalist – Dublin Web Summit