



Israeli Company Catalog

Japan-Israel R&D Cooperation Program





Supporting Partner Matching and Access to Funding for Japanese and Israeli companies engaged in collaborative R&D projects

In July 2014, the Japanese Ministry of Economy, Trade and Industry (METI) and the Israeli Ministry of Economy (MOE) signed a landmark agreement (MOC) to support industrial R&D cooperation between Japan and Israel. The Memorandum of Cooperation (MOC) aims at encouraging industrial R&D cooperation and increased business ties between private sector firms from Japan and Israel.

Together with a complimentary agreement signed between the ministries' implementation bodies – the Israel Innovation Authority (formerly known as MATIMOP) and NEDO, the New Energy and Industrial Technology Development Organization in Japan – this agreement serves as a basis for the new Japan-Israel R&D Cooperation program. Under the program, Israeli and Japanese companies have access to government funding for collaborative R&D projects as well as assistance in locating R&D and business partners.

Companies of all sizes from Japan and Israel are invited to partner up and – during the program's "calls for proposals" – apply for funding for joint R&D projects aimed at the development of innovative new technologies or processes leading to commercialization in the global market.

This catalog includes the profiles of Israeli companies actively seeking partnerships in Japan. We encourage you to browse the catalog and identify and reach out to potential partners. In addition to this resource, the Israel Innovation Authority and NEDO are available to conduct dedicated partner searches for both Israeli and Japanese companies based on their individual needs and requirements. Just contact an Innovation Authority or NEDO representative to start the process.

www.nedo.go.jp/

www.matimop.org.il/japan.html



経済産業省

Ministry of Economy, Trade and Industry

About METI

The Ministry of Economy, Trade and Industry or METI, is a ministry of the Government of Japan. It was created by the 2001 Central Government Reform when the Ministry of International Trade and Industry merged with agencies from other ministries related to economic activities, such as the Economic Planning Agency. METI is organized into the following bureaus, offices, departments and 4 agencies (Agency for Natural Resources and Energy, Nuclear and Industrial Safety Agency, Small and Medium Enterprise Agency, Japan Patent Office).



New Energy and Industrial Technology
Development Organization

About NEDO

Following its establishment in 1980, the New Energy and Industrial Technology Development Organization (NEDO) has become Japan's largest public research and development management organization. In this role NEDO undertakes technology development and demonstration activities to carry out two basic missions, addressing energy and global environmental issues and enhancing industrial technology, by integrating the combined efforts of industry, academia and government.



רשות החדשנות

Israel Innovation

Authority

About the Israel Innovation Authority

The Israel Innovation Authority, formerly known as the Office of the Chief Scientist of the Ministry of Economy (& MATIMOP), is an independent and impartial public entity that operates for the benefit of the Israeli innovation ecosystem and Israeli economy as a whole. The Innovation Authority is responsible for the country's innovation policy, and its role is to nurture and develop Israeli innovation resources, while creating and strengthening the infrastructure and framework needed to support the entire knowledge industry.



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ICT, Electronics and Semiconductor Companies



Argus Cyber Security

Technology Sector: IT & Enterprise Software

Technology Subsector: Security and Miscellaneous Software

Company Stage: Initial Revenues

Establishment Year: 2013

Number of employees: 56

Annual sales: N/A

Website: www.argus-sec.com

Contact Person: Yoram Berholtz, Business Development Director

Email: Yoram@argus-sec.com

Company Description: Argus is the world's largest, independent automotive cyber security company protecting private and commercial vehicles from hacking with multi-layered, end-to-end cyber security solutions. With decades of experience in both cyber security and the automotive industry, Argus offers innovative security methods and proven computer networking know-how with a deep understanding of automotive best practices. Customers include car manufacturers, Tier 1 suppliers, and aftermarket connectivity providers. Founded in 2013, Argus is headquartered in Tel Aviv, Israel, with offices in Michigan, Silicon Valley, Stuttgart and Tokyo.

Technology Description: Argus offers comprehensive cyber security solutions and services to the automotive industry:

- **Argus Connectivity Protection Suite:** Solution suite with multiple products that defend the infotainment or telematics units by preventing malware installation, detecting operating system (OS) anomalies, isolating suspicious applications and stopping attacks spreading to the in-vehicle network. In addition, this suite secures the two-way communication channel with the outside world. Argus Connectivity Protection operates cross platform (Linux/QNX/Android & more) to protect the car's most vulnerable attack surfaces.
- **Argus In-Vehicle Network Protection Suite:** Solution suite with multiple products that provide in-vehicle network-wide security by detecting attacks, suspicious activity and changes in standard in-vehicle network behavior. Deployed centrally, Argus In-Vehicle Network Protection examines entire network communication and stops attacks advancing in the network. Supporting a wide array of network protocols – CAN and CAN-FD, FlexRay, Ethernet (with SOME/IP, DoIP etc.) and more – this suite is well positioned to defend current and future vehicle architectures.
- **Argus ECU Protection Suite:** Solution suite with multiple products that reinforce select electronic control units (ECUs), such as brakes, advanced driver assistance systems (ADAS), door control units or any other units deemed critical, from attacks originating inside and outside of the ECU. Located on the ECU, this suite detects and prevents incoming attacks as well as neutralizes malware resulting from supply chain attacks or other attack vectors. Non-intrusive and with a small footprint, Argus ECU Protection supports virtually any ECU.



- Argus Lifespan Protection Suite: Solution suite with multiple products that future-proof the fleet with an additional layer of protection. Collects and analyzes data from Argus in-vehicle solutions and other sources. Operating from the cloud or integrated in a security operations center (SOC), this suite provides OEMs and fleet managers situational awareness of fleet cyber health on an intuitive dashboard. Argus Lifespan Protection also generates insights on new attacks and trends from big data analytics of OEM and fleet data, and provides the tools to take preemptive action.
- Argus Aftermarket Protection Suite: Solution suite with multiple products that deliver telematics technology providers, connectivity service providers, fleet managers, insurance companies and dongle manufacturers solutions that protect cars from attacks exploiting their technologies and services. Argus Aftermarket Protection provides in-vehicle network protection and dongle protection to retrofit cars and commercial vehicles on the road.
- Argus Automotive Cyber Security Services: Argus provides OEMs, Tier 1s and automotive component manufacturers with a suite of tailored consulting services to ensure that cyber security practices and processes are integrated into entire product lifecycles. Working with customers from the concept phase through production, operation, service and decommission, Argus identifies existing and potential vulnerabilities in network elements and other system components while preparing customers for emerging regulations.

Partnership Interests: Partnerships to work on cyber security for connected vehicles with various stakeholders in the automotive industry.



Beyond Verbal Communication Ltd.

Technology Sector: IT & Enterprise Software

Technology Subsector: Miscellaneous Software

Company Stage: Initial Revenues

Website: www.beyondverbal.com

Contact Person: Dan Emodi, VP Marketing & Strategic Accounts

Email: bianca.meger@beyondverbal.com

Company Description: Beyond Verbal commercializes patented technology that extracts individuals' full set of emotions and character traits, using their raw voice in real-time, as they speak. This extraction, decoding and measurement of human moods, attitudes and decision-making characteristics introduces a whole new dimension of emotional understanding – which we call Emotions Analytics – and has the potential to transform the way we interact with machines and with each other. Led by an experienced management team of industry professionals, our goal is to leverage our unique abilities to lead a new multi-billion dollar market of emotionally-enhanced applications on practically any voice enabled, voice activated or voice controlled devices/applications.

Technology Description: With proven results with customers across multiple sectors around the world, Beyond Verbal stands apart as the only company offering a platform capable of extracting, in real-time, the full spectrum of human emotions from a person's vocal intonation. Such understanding of people's moods, attitudes and decision-making characteristics while they speak, opens a window into a previously unavailable dimension of human insights, with major impact on numerous verticals. Beyond verbal is predominantly a SaaS company that makes its core technology available via a Cloud-based API to partners in the fields of consumer applications, mobile devices and applications.

Partnership Interests: As Beyond Verbal provides cloud-based managed services, we are looking for partners willing to embed emotions in their voice-enabled, voice activated or voice controlled solutions, devices and applications.



BitMint

Technology Sector: IT & Enterprise Software

Technology Subsector: Security

Company Stage: R&D

Website: www.BitMint.com

Contact Person: Mr. Amnon Samid, CEO

Email: amnon@BitMint.com

Company Description: The global BitMint vision is based on the realization that money is about to climb into the highest rung in the ladder of abstraction - a binary string, media independent, native to electronic communication. This new form will assume a profound impact on human economies, human societies, and general welfare. BitMint is a patent-protected family of technologies to securely digitize currencies and commodities. The minted BitMint 'coins' are most easily traded in any denomination, however small or however large. BitMint Digitized commodities may be traded anonymously, partially tracked, or fully tracked. BitMint coins may be 'tethered' to their intended use, and are cryptographically secure against unintended use. The value proposition of this plan is to allow easy, fast, inexpensive, secure, and convenient payment between acquaintances and strangers alike, requiring no account anywhere, only a smartphone. More: we are busy to structure the Intermint, to facilitate effective globalization of payments, seamlessly exchanging between the various fiat currencies of the world. A salient feature of the InterMint is its cascading protocol that allows for combination coins comprised, say, of 30% US\$, 25% Euro, 25% Yen, 10% Pound, 5% HK\$ and 5% gold, or any other combination. It will also lead to optimal securitization solution, for which BitMint is the most fitting platform: digitizing a basket of currencies, 'cocktailed' with any other stores of value (e.g. real estate). We are also developing real time pay meters, as well as pay-as-you-go solutions for utilities (power, gas, water) and for Internet-of-Things micro and macro exchange of values. BitMint is managed by a team with deep technology experience as well as a diversity of establishing prior successful businesses, including founding and operating global security companies, at early-stages and mature technology companies. This team brings leadership and guidance to create and develop BitMint as a successful venture. Our interests call for strategic partners/investors who will be committed to the ambitious BitMint vision.

Technology Description: The BitMint platform is a combination of ground breaking conceptual novelty and practical immediate solutions to fulfill specific needs. BitMint offers the only available, non-speculative, user friendly technology for digitizing fiat currencies, as well as commodities, handled on a doubt-free basis to be used for cash remittance and day to day P2P, P2B, B2B micro and macro payments, online & off line, as well as for securitization purposes. Digitizing and using the tethered money capabilities (money fused to its intended purpose) – will have global impact on the way we are paying – micro and macro payment, transferring payments, storing the money itself on the mobile, moving it in the speed of light through all electronic means, emails, SMS, Bluetooth. The InterMint (another innovation of BitMint) is a cascade of mints that builds on the foundations of fiat currencies and commodities, and extending the cascade to a super stable global currency. BitMint is also developing real time utility payment meter (no billing administration, no credit and collection issues, reducing peak demand), creating a win-win relationship between utilities and consumers. We are also empowering the Internet-Of-Things. Our technologies allows sensors, readers, monitors, transponders of even very small size to receive and send information securely



despite their low level computing capability and limited battery power. This will allow people to use the Internet of Things and enjoy the great benefit of the Internet Protocol without worrying about negative side effects. The BitMint™ technology has been the first prize winner of an international technological innovation competition conducted by the large German concern G&D (2.2Bn Euro), followed by successfully passing a 5.5 months of technology due diligence by a team of experts from G&D and signing a partnership agreement.

Partnership Interests: In light of a projected investment, the foreseen risk, and the long term plans, our interests call for partners who will be committed to the ambitious BitMint vision. They will have the financial resources to throw in, once the initial steps are successful, and the viral nature of the enterprise creates a strong momentum that should not be lost due to dearth of funding. Thirdly, our ideal partner will also contribute in-depth understanding of the market, be capable of opening doors and present sufficient gravitas to fend off any attempts to harass, suppress BitMint by the powers of present today's payment "kings". Our partners should also provide BitMint with the global outreach necessary for its full-fledged implementation. Such partner will be at home both in banking suites, in macroeconomics circles and in street retail payment. We wish for a partner that can help BitMint negotiate the technology hurdles, as well as the regulatory fences. Most importantly though, is the chemistry between the partners.



Cloud Invent ML

Technology Sector: Internet

Technology Subsector: Internet Applications

Company Stage: R&D

Establishment Year: 2014

Number of employees: 2

Annual sales: N/A

Website: www.cloud-invent.com

Contact Person: Nick Sidorenko, CEO

Email: nick@cloud-invent.com

Company Description: Cloud Invent developed innovative constraints solver for parametric CAD (computer-aided design) software. This solver significantly outperforms all available commercial constraints solver. We are going to commercialize this invention in the following two main ways: 1. B2B – we provide our solver as API SDK for developers (such an API is already submitted on NuGet). 2. B2C – we develop plugins for applications of all leading CAD vendors (AutoCAD, SolidWorks, etc.) and sell these plugins directly to users of the CAD applications. Such a plugin, being installed, replaces built-in constraints solver of the application to our solver. As a result, user works with exactly the same CAD application, but this application becomes much more powerful. Meanwhile we already implemented such a plugin for AutoCAD and it is already submitted to the Autodesk Exchange Apps store. The beauty of this approach is that the market is already prepared for us by the big CAD vendors, and, nevertheless, we don't compete with these CAD vendors on this market. The market is huge – about 30 millions of potential users.

Technology Description: Our main technology is called Cheetah Solver. This solver is based on advanced mathematics and software algorithms (we already submitted a patent). These mathematical methods are never used before in parametric CAD. The method is very robust and efficient; it allows working easily with constrained geometric models that contains hundreds times more constraints than the models resolvable by the existing commercial solvers. The main advantage of our solver is that it is ideal for parallelization. It can use the full power of modern multi-core CPUs, many-core GPUs, and distributed computing in the cloud. Being implemented as a cloud-service, it can provide cloud as a "super-computer" for regular CAD users, thus allowing them to resolve constrained models of practically unlimited complexity (and pay only for the minutes that they use this "super-computer"). This web-service might be the business of its own. Such a cloud-based solver might be used not only in CAD but also in many other areas.

Partnership Interests: We are looking for partnership relations with companies internally developing CAD software (mechanical CAD, electrical CAD, architectural CAD, etc.) or any kind of geometric modeling solutions. We can cooperate in developing any potential business partner product that requires high performance parametric solver that can resolve extremely complicated constrained geometric models. Our solver can be applied in many other industries (for instance, in solving optimization problem for big transportation systems). We are also interested in investment, which will allow us to continue development of the products based on our Cheetah solver.



Command Speech Ltd.

Technology Sector: Communications/IT & Enterprise Software

Technology Subsector: Mobile/Security

Company Stage: Seed

Website: www.command-speech.com

Contact Person: Gabi Ilan, CEO & Founder

Email: gabi@command-speech.com

Company Description: Command Speech Ltd from Israel develops voice recognition and text-to-speech software for voice command applications in mobile devices. The voice command functions under noisy environment, as in a moving vehicle or in crowded places. Recognition is speaker-independent and is capable of recognizing up to thousands of user defined words or phrases. Both voice recognition and text-to-speech software products are based on new, proprietary algorithms and run locally on device.

Technology Description: Command Speech Ltd. has developed speech recognition and text-to-speech software engines – both designed for use in cell phones, navigation and other mobile devices. These software engines are based on new technologies and perform well in real-world noisy environments. The software runs locally on device with no need to connect to the Internet. All company products are developed in-house and are our own proprietary.

Partnership Interests: Command Speech Ltd. is currently looking for strategic partners and for first customers for its innovative speech recognition and text-to-speech software engines products and technology. Such Strategic partners can be manufacturers of mobile devices such as mobile handsets, navigation, or any other equipment that it is desired to add to it the option to be operated by voice commands, especially in noisy environment in noisy environment.



Daynix Computing Ltd.

Technology Sector: IT & Enterprise Software

Technology Subsector: Enterprise Infrastructure

Company Stage: Revenue Growth

Establishment Year: 2011

Number of employees: 8

Annual sales: \$1 million (USD)

Website: www.daynix.com

Contact Person: Yan Vugenfirer, CEO

Email: yan@daynix.com

Company Description: We provide full stack virtualization and cloud infrastructure SW development and consulting services. Our services range from hypervisors and paravirtualized devices to cloud infrastructure development.

The company was founded by virtualization veterans closely working with open source communities on the technological edge of virtualization and cloud development.

Technology Description:

1. Hypervisors (QEMU and KVM, Xen, Paravirtualized devices, VMWare host drivers, Performance optimizations, SR IO-v and MR IO-v)
2. Guests (Paravirtualized drivers, VirtIO based devices and drivers, Linux and Windows kernel development, SVVP, WHQL and HCK certifications, Lightweight virtualization, ivshmem and DPDK, Guest agents)
3. Cloud (Custom cloud infrastructure, SDN, NFV, OpenStack, Libvirt, Open vSwitch, Amazon EC2)
4. Cloud-Init

Partnership Interests: We are looking for companies that engage in R&D in the areas of virtualization and cloud infrastructure, preferably based on open source projects.



D-Vision C.V.S Ltd.

Technology Sector: Semiconductors

Technology Subsector: Video, Image & Audio

Company Stage: Initial Revenues

Establishment Year: 2010

Number of employees: 35

Annual sales: N/A

Website: www.dvisionsystems.com

Contact Person: Roy Wainer

Email: roy@dvisionsystems.com

Company Description: D-Vision C.V.S. Ltd is an Israel-based Hi-Tech software company that designs and develops computerized vision systems. D-Vision software based technology is capable of transforming any 2D video footage into a photo-realistic, true to reality, accurate 3D model. Using a series of complex algorithms, D-Vision is capable of reconstructing the depth information lost during the filming process. The company provides solutions for a variety of applications, including offline and real-time solutions for civil and defense applications. The company has a fully owned American company named D-Vision Systems Ltd.

Technology Description:

- Pavement Surveys (US and rest of the world) - Many road maintenance companies annually collect and analyze road pavement conditions in order to prioritize their maintenance efforts. Currently, all pavement data is analyzed manually, by people employed to go over the captured movies. D-Vision is engaged in making this process automatic by designing and developing software tools for automatic analysis of pavement distress (cracking, potholes, etc.). D-Vision software would analyze captured video and determine crack types, their severity, extent and location. The output report will elaborate all these parameters and determine the condition index of every road section in order to prioritize maintenance work over the entire road grid. D-vision Just finished a statewide survey in California, U.S.
- Camera Based Navigation – We are offering some solutions to the defense industry, mostly camera based navigation. We intend to enter the market of intelligent transportation systems with this technology.
- Cellular APP – We have a cellular app called BuildApp, downloaded by half a million users. Unfortunately, we do not have enough resources to invest in this area. With a moderate investment, the application could be downloaded by some 5 to 10 million users a year, with some 3% to 4% of them paying for the download.

Partnership Interests: For this project, we look for a Japanese technology or automobile company to cooperate with us in the market of Intelligent Transportation Systems, using our technology for camera based navigation. We are seeking a big Japanese company, automobile or Technology Company, with big R&D division we could work with, based on our technology of camera based navigation. The Japanese company will produce the car with the integration of our technology in it, in order to use autonomous car for Japanese roads. We also think of trying to make a pilot in the 2020 Olympic Games in Tokyo.



Eurotech Communication

Technology Sector: Communications

Technology Subsector: Telecom Applications, VoIP & IP Telephony, Wireless Applications and Infrastructure

Company Stage: R&D

Establishment Year: 1999

Number of employees: 12

Annual sales: N/A

Website: www.eurotech-communication.com

Contact Person: Meital Toker

Email: meital@eurotech-communication.com

Company Description: Eurotech Communication Ltd, a privately held company, is a leader in development and production of telecommunications equipment and telecomm solutions since 1999. With expertise across the production spectrum, from R&D to design and manufacturing, Eurotech has tailor-made solutions for customers worldwide.

Our business units are:

- Eurotech Defense
Tailored solutions for governmental and Intelligence agencies

Call masking / call routing

- Homeland Security(HLS) Unit:
Communication systems for first responders

Continuous, reliable and secured communications for large scale disasters and emergency events


Real-Time HD video streaming from any location

Technology Description: Our HLS department, with the unique brand of "Intelicomm", focuses on development of varied Solutions for disasters and emergency situations.

Under such circumstances, when commercial networks might collapse, wireless communication is at the core of situation management. First responders require reliable, overlapping networks to save lives.

Among our products:

1. "MCTV" - Real Time and high quality video transmission(streaming) from any location
Fast and reliable wireless transfer of wideband data / video in Real Time provides first responders information immediately and reliably.
2. "Fusion" - continuous and reliable communication system for first responders in large scale disasters.



The FUSION is a secure, deployable multi-layered private Mobile Ad Hoc Network (MANET) platform that supports personnel.

Within minutes, the user may deploy an autonomous network covering a radius of a few kilometers (extendable by a mesh)

Partnership Interests: Eurotech Communication is looking for business and technological cooperation with Japanese companies. The Cooperation should be on developing and marketing of products and technologies in the following fields: telecom, instant and wireless mobile communications, voice communications, video, and data devices.



Jungo Connectivity Ltd.

Technology Sector: Miscellaneous Technologies

Technology Subsector: Miscellaneous

Company Stage: Revenue Growth

Establishment Year: 2013

Number of employees: 20

Annual sales: N/A

Website: www.jungo.com

Contact Person: Yuval Ben-Zeev, VP Sales and Business Development

Email: Yuvalb@jungo.com

Company Description: Jungo Connectivity is a divestiture of the automotive infotainment business unit of Jungo Ltd., which was founded in 1998. With a long time industry presence and a team of experts in the field of in-cabin vision, machine learning and deep learning – Jungo’s software is shipped in millions of cars annually with dozens of design wins globally.

Technology Description: CoDriver is an in-cabin vision software solution that provides valuable data and information about events and situations inside of the vehicle cabin. CoDriver includes Driver Monitoring System capabilities where it identifies the overall driver state, as well as events as they occur (such as a distraction of the driver). Through the valuable information that CoDriver generates about the driver, car makers can now create safer cars and reduce accidents. Using CoDriver, cars can now know whether or not the driver is alert and paying attention to the road, and can tell if the driver is ready to take control of a vehicle in a semi-autonomous scenario. In a fully-autonomous experience, the car can get valuable information about the passengers and their overall condition while in the vehicle.

Partnership Interests: We seek two types of partners: (1) Car makers or electronics suppliers to car makers that are interested in joint R&D for future technologies with Jungo; (2) Japanese software companies that are interested to serve as a system integrator for Jungo in Japan (i.e. work together with Jungo to integrate Jungo software for customer projects in Japan).



LNTS LiNguisTech Solutions Ltd.

Technology Sector: Internet

Technology Subsector: E-Learning

Company Stage: Initial Revenues

Establishment Year: 2007

Number of employees: 10

Annual sales: N/A

Website: www.LNTS.com

Contact Person: Hemda Zur, Sales & Operations Manager

Email: Hemda@lnts.com

Company Description: LiNguisTech Solutions Ltd. was founded in 2007 in Israel. The company holds unique speech recognition technology and has an advantage over its competitors in recognizing and assessing phonemes (the most basic sounds of speech). The company's strategy is to implement its technology in unique products that target large markets. The company is mainly targeting the English as a Second Language (ESL) market, which presents the company's technology with big business opportunities. LiNguisTech's management team has years of experience in R&D, business development, and sales. LiNguisTech Solutions Ltd. is a privately held company headquartered in Israel. LiNguisTech's goal is to be the market leader in terms of both the quality of its technological solutions and the business values for its partners, customers, and users.

Technology Description: LiNguisTech possesses an unmatched technological advantage by using a unique voice recognition algorithm. This, combined with the company's business model, creates a competitive advantage in the market and creates great value throughout the supply chain. LinguisTech's current products are EZ-Speak, a software application which teaches pronunciation of spoken English, and EZ-Sync, an automatic caption synchronization service for the film post-production industry in the USA.

Partnership Interests: We would like to contact with a partner that has the following: Access to the education market and/or for the Standard English Test preparation industry in Japan and overseas; Software developing capabilities; Friendly and long-term relations.



Play My Tone

Technology Sector: IT & Enterprise Software

Technology Subsector: Enterprise Applications

Company Stage: Seed

Establishment Year: 2011

Number of Employees: 3

Annual sales: N/A

Website: www.playmytone.com

Contact Person: Ohad Sheffer, CEO

Email: ohad@playmytone.com

Company Description: Play My Tone is developing the next generation Artificial Intelligent solutions for music big data, discovery and recommendation, sampling and personalization. Our unique patented (US patent no. 9,099,064 B2) technology x-rays songs and detects their acoustic DNA. The company's solution significantly increases online music services income by providing more relevant catalog analysis and classification. Our technology provides precise music recommendations and sampling by deploying human Psych-Acoustics on a machine.

Technology Description: PMT's technology provides more relevant music recommendations and sampling by deploying human Psych-Acoustics on a machine. Improving these key features increases user's engagement and overall experience, which is converted to a higher ARPU. PMT's disruptive technology can cluster and recommend songs by their acoustic structure, or in other words, by the likeliness to be well perceived by the human ear. This unique feature transcends the existing limitations of Genre Classification, practiced by the competition, thus opens up a new world of song recommendations. Unlike existing technologies in this industry, our approach to music recommendation is purely scientific and involves AI tech.

Partnership Interests: We're seeking for an industry partner that can help us accommodate our technology and products to the market needs, and a strong technology/corporate partner to help us leverage our music classification core technology for industry utilizations.

Test Insight Ltd.

Technology Sector: IT & Enterprise Software

Technology Subsector: Management and Design Tools

Company Stage: Revenue Growth

Establishment Year: 1998

Number of Employees: 8

Website: www.testinsight.com

Contact Person: Meir Gellis, CEO

Email: meir@testinsight.com

Company Description:

Develop and market software tools that provide increased productivity and/or reduce costs for companies using automatic test equipment (ATE). Provide software tools for engineers and managers in Test/Product Engineering developing and using ATE programs

Technology Description:

Test Insight products generally fit into 3 categories:

Conversion of Design Vectors to Tester Programs is often referred to as Design to Test

1. Program Management and Control is a broad name for a number of niche applications connected with maintaining an ATE program – a task that over the life of a program will probably cost a great deal more than generating it in the first place.
2. Pattern Validation refers to taking patterns that have passed through some kind of process that has changed them (typically translation or human de-bug) and creating an independent simulation test bench to the DUT (Device Under Test) simulation model. Referred to as Re-simulation, Virtual Test, Pre-silicon Debug depending on the purpose and source of the patterns.

Partnership Interests: Solution partners dealing with semiconductors test solutions - Partnership in sales and support, as well as new solutions design partnership.



TriDiNetworks

Technology Sector: Communications

Technology Subsector: Wireless Applications

Company Stage: Initial Revenues

Establishment Year: 2007

Number of Employees: 3

Website: www.tridinetworks.com

Contact Person: Julian Dinur, CEO

Email: Julian.Dinur@tridinetworks.com

Company Description: [TriDiNetworks offerings](#)

- Complete end to end IoT (Internet of Things) Platform for connecting devices (“things”) to the internet and managing them from the cloud through a patented technology. The Platform is based on a high-speed broadband mesh Wi-Fi network.
- IoT & Wi-Fi Monetization solution that enables new revenue streams and business models across many vertical markets.
- System for indoor & outdoor LED lighting and energy management services implemented on the IoT platform, fully developed, tested and proven. It enables unprecedented low Total Cost of Ownership and quick ROI.

Technology Description:

Technology

- Consolidation of design, installation, control and maintenance in one simple to use unified system.
- Automatic network formation and “things” registration in the cloud very easily using a smartphone.
- State of the art cloud-based software service (SaaS) and low-cost off-the-shelf Wi-Fi routers with software application.

Portfolio

- Software Tools: Wireless IoT Network Designer & Commissioning Tool.
- SaaS - Cloud-based software service.
- Wireless Network Modules for the smart devices (“things”).
- Application software for off-the-shelf Wi-Fi routers for connecting the Wi-Fi mesh IoT network to the cloud.

Partnership Interests: TriDiNetworks is seeking manufacturers of advanced LED lighting, air conditioners/thermostats, appliances, etc. interested in embedding in their products state-of-the-art, cloud-managed wireless control and services. Companies interested in developing products/applications for the Smart City on TriDiNetworks’ Wi-Fi mesh high speed network for LED control.



VBox Communications

Technology Sector: Communications

Technology Subsector: Broadcast, Mobile, Networking

Company Stage: Revenue Growth

Establishment Year: 2001

Number of Employees: 15

Website: www.vboxcomm.com/

Contact Person: Shlomo Turgeman, CEO & Founder

Email: st@vboxcomm.com

Company Description: Founded in 2001, VBox Communications has gained recognition as an expert in digital TV and new media convergence solutions. The company is headquartered in Herzliya, Israel. The company's solutions are deployed in top-tier broadcast providers and enterprises worldwide. Innovative, end-to-end firmware, software, and hardware solutions from VBox empower broadcast providers, telcos, and integrators to harness the converged power of digital broadcast and new media - growing revenues, streamlining operations, and delivering a better end user experience. VBox incorporates the power of DVB to IP expertise with IP over DVB knowledge to upgrade the viewer's experience.

For home, enterprise, and retail usage, VBox enables cost-effective delivery of a truly converged content experience – encompassing traditional Free2Air broadcast, pay TV, new media, OTT (Over the Top), streaming live broadcasts, and other content, and enabling integration of custom and advertising content. Converged content is simply and securely distributed to standard TVs, IP set-top boxes, PCs, Internet-connected TVs, tablets, and other devices via standard home or enterprise network gateways.

Technology Description: VBox is enabling the convergence of Live Local HD TV and OTT on any device, in any room. VBox developed a revolutionary TV Gateway device that converts broadcast Free-To-Air and Premium PayTV, TV channels, from satellite, cable and antenna to IP at the consumer home; merging it with OTT TV from the internet and streams it to mobile and connected devices across the home, in one unified interface. Up to 4 users can watch and record their favorite local live TV shows in original broadcast quality up to Full-HD 3D with surround sound on multiple devices such as tablets, smartphones, smart TVs and many devices consumers already own. Alongside the TV Gateway, we have developed an SDK to enable OTT, telcos and software developers to easily integrate live TV into their own applications. For the consumer – We are enhancing their TV experience providing a single interface across all devices with all the channels and content, providing Whole House: Live TV (Free-To-Air and PayTV), DVR, OTT and EPG. For Telcos – We are providing full control of the entire user TV experience, adding local content to their OTT service, without adding any CDN, licensing or bandwidth issues.

Partnership Interests: We are mainly looking for software and hardware partners interested in broadcast to IP TV; our potential partners can be Hardware - TV and set-top box manufacturers, Software - OTT technology providers, telcos, hospitality and signage software developers.



Visual-Factories

Technology Sector: IT & Enterprise Software, Miscellaneous Technologies

Technology Subsector: Business Analytics & Industrial Technologies

Company Stage: Initial Revenues

Establishment Year: 2014

Number of employees: 5

Annual sales: N/A

Website: www.visual-factories.com

Contact Person: Matti Tiano, CEO

Email: Matti.tiano@visual-factories.com

Company Description: The Company is an innovative player with a unique product that incorporates proprietary Industrial Internet of Things (IIoT) / Industry4.0 infrastructure with proprietary Analytic platform and proprietary Gamification method, on Cloud platform, accompanied with Software as A Service business model.

Technology Description: Visual-Factories Performance Improvement Management (PIM) system is autonomous, out of the box, digital factory, machine learning, cloud based solution for manufacturers to reduce operations inefficiencies and monitor & control their true costs per part.

Partnership Interests: Distribution channels in the area of IT for manufacturing such as ERP/MES/CAD/CAM resellers and system integrators.



Visuality Systems

Visuality Systems Ltd.

Technology Sector: Communications

Technology Subsector: Enterprise Networking

Company Stage: Revenue Growth

Establishment Year: 1998

Number of employees: 14

Annual sales: N/A

Website: www.visualitynq.com

Contact Person: Tal Widerman, Marketing Manager

Email: talw@visualitynq.com

Company Description: Visuality Systems Ltd is a world leading developer and provider of SMB/CIFS-based solutions. Since its inception in 1998, it is dedicated to the development of SMB/ CIFS solutions for clients that include over 100 Blue Chip companies worldwide.

Technology Description:

Main Products/Services:

1. NQETM – SMB solution for Embedded devices:

NQE™ is an SMB/CIFS server/client solution developed for non-Windows embedded systems to provide interoperability with Windows-based machines. Designed with the flexibility to integrate into virtually any environment, be it an operating system, a CPU or a compiler, NQE™ fully complies with Microsoft SMB/SMB2/SMB3 specifications and supports the latest SMB dialects. Once hooked into a Windows network, the device gains visibility over the network, allowing users to perform file sharing functions.

2. NQ Storage™ - SMB solution for Storage systems

Since the SMB protocol is only native to the Windows world, Visuality Systems developed and released a portable SMB Server that can be integrated into any storage solution. NQ™ Storage is a commercial, high performance SMB stack that offers flexible integration for a wide range of storage services, from standalone NAS to high-end data centers.

Partnership Interests: We are seeking for Japanese companies from the following areas - Medical, Consumer devices (printers, routers, projectors, cameras STB etc.), Aerospace & Defense, Automotive, Mobile and Storage that seek for secured File Sharing technique and want to integrate our technology with their solutions.



VocalZoom Systems Ltd.

Technology Sector: Semiconductors

Technology Subsector: Video, Image & Audio

Company Stage: Initial Revenues

Website: www.vocalzoom.com

Contact Person: Rammy Bahalul

Email: rammy@vocalzoom.com

Company Description: VocalZoom develops & produces a revolutionary speech enhancing optical sensor named SEEON; SEEON is used in communications and speech recognition applications, able to operate in any real-world environment and assist in elimination of any type of background noise (car, street, babble, second speaker etc.) for clear communication and error-free speech recognition.

Technology Description: VocalZoom's patented technology measures facial skin vibrations to generate noise-free reference signal to be used, together with an acoustic microphone signal, by any Speech Enhancement or Noise Reduction solution providing a clear audio signal even at the most noisiest environments. VocalZoom completes SEEON offering to developers and manufacturers with our advanced OVAD algorithms, which extracts precise Voice Activity Detection and Pitch of the speaker from the SEEON optical microphone signal.

Partnership Interests: Developers/Manufacturers of devices that have a microphone to be used for communication and/or Speech Recognition.



Votiro

Technology Sector: IT & Enterprise Software

Technology Subsector: Security

Company Stage: Initial Revenues

Establishment Year: 2010

Number of employees: 20

Annual sales: N/A

Website: www.votiro.com

Contact Person: Itay Glick, CEO

Email: itay@votiro.com

Company Description: Votiro offers multiple secure gateway sanitization solutions that protect networks and IT infrastructures from external cyberattacks rooted in known, undisclosed, and zero-day exploits. Votiro's secure gateways sanitizes all in Email, Removable Media and Files while keeping the organization's workflow uninterrupted. The company has earned the appreciation of its worldwide customers, who are secured in the knowledge that threats are detected, disarmed and sanitized before they enter the organization. Among Votiro's customers are government agencies, financial institutions, defense organizations, telecom enterprises, pharmaceutical companies, health-care organizations, network equipment providers, software vendors and many more.

Technology Description: Votiro patented Advanced Content Disarm and Reconstruction: The CDR concept determines that only the safe content of a file can be submitted to the user. Any malicious content is removed from the file without the need to convert it or disable functionality. Security analysts firms, including Gartner, states that more and more organizations will need to add CDR technology in order to enhance protection and withstand today's ever rising sandbox evasion techniques.

Partnership Interests: We are seeking Japanese potential technology partners such as: providers of antivirus products, security solutions vendors, web gateway vendors and custom made application vendors - that are interested in integrating our CDR technology with their solutions.



Yowza Ltd.

Technology Sector: Artificial Intelligence

Technology Subsector: VR/AR and Robotics

Company Stage: R&D

Establishment Year: 2013

Number of employees: 18

Annual sales: N/A

Website: www.yowza3d.com

Contact Person: Galia Schwarz

Email: galia@yowza3d.com

Company Description: YOWZA enables computers and robots to understand what they see. For the first time, machines have a visual perception of our world: they are able to recognize any object in their environment, understand context, and respond to the environment in real time. This has major applications for AR/VR, Robotics, and Drones.

Technology Description: YOWZA's technology is based on three pillars: accurate segmentation of 3D scenes, shape-based search and object recognition, all in real-time.

Partnership Interests: Joint development. Integration of our visual perception capabilities in partner platforms. Characteristics of desired partner: Content creators for VR applications, and/or AR hardware providers.



Life Sciences Companies



BMR Solutions Ltd.

Technology Sector: Life Sciences

Technology Subsector: Therapeutics

Company Stage: R&D

Establishment Year: 2011

Number of employees: 5

Annual sales: N/A

Website: Under construction

Contact Person: Ronen Kahana, CEO

Email: info@bmr solutions.co.il

Company Description: Bone Marrow Recovery Solutions ("BMR Solutions") is a privately held Israeli biopharmaceutical company with focus in fields of regenerative medicine for radiation sicknesses and cancer supportive care. The Company has 5 granted patents and a pipeline of small molecule drugs in late pre-clinical stages, addressing chemotherapy and radiation associated hematological disorders and age related diseases. BMR Solutions is developing its most advanced drug candidate as a supportive care for cancer patients with impaired bone marrow and abnormal blood counts, as those who undergo irradiation treatments and/or chemotherapy or those who were exposed to nuclear and/or cosmic radiation. BMR Solutions' vision is "upgrading quality of life and longevity". The Company's team has an accumulated experience of over 70 years in research and development. The Company's scientific advisory board comprised of leading hematologist from Israel and USA.

Technology Description: Our drugs were discovered in animal source as a part of four decades of research aimed at investigation of radio-protective mechanisms existing in animals and discovery of drugs which cause bone marrow recovery following deadly irradiation. During this screening research one of the vertebrate animal species was found to be extremely radio-resistant, about 100 - fold more resistant than humans. Specific molecules from that animal, which are responsible for stimulation of adult stem cells (stem cells modulators) have been discovered, characterized and synthetically produced. These molecules augment recovery of bone marrow and blood and, therefore, induce survival and recovery of the whole organism after high doses of chemotherapy, irradiation and after age related damages. BMR Solutions revealed the importance and the clinical relevance of BMRH family of synthetic stem cell modulators in thousands of animals in several disease and aging models. We created a broad pipeline addressing various clinical needs. Our business model includes collaborations surrounding particular drug candidates for development, strategic partnership and commercialization.

Partnership Interests: We are looking for investors, R&D collaborators or joint ventures with institutions and/or companies for the following fields:

1. After exposure to nuclear radiation (recovery from "acute radiation syndrome").
2. After exposure to Cosmic radiation (for aviation personnel and frequent flyers).
3. For recovery after chemotherapy and/or radiotherapy (cancer treatments).



Can-Fite BioPharma

Technology Sector: Life Sciences

Technology Subsector: Therapeutics

Company Stage: R&D

Establishment Year: 2000

Number of employees: 10

Annual sales: N/A

Website: www.canfite.com

Contact Person: Sari Fishman, Director of Business Development

Email: sari@canfite.co.il

Company Description: Can-Fite BioPharma Ltd. (NYSE MKT: CANF) is an advanced clinical stage drug development company with a platform technology that addresses multi-billion dollar markets in the treatment of cancer, liver disease, inflammatory diseases, and sexual dysfunction. The Company's lead drug candidate, Piclidenoson (CF101) is expected to enter Phase III trials in 2017 for two indications, rheumatoid arthritis and psoriasis. Can-Fite's drugs have an excellent safety profile with experience in over 1,000 patients. Piclidenoson has been out-licensed in Korea and Canada, with \$10 million received to date. Can-Fite's liver drug Namodenoson (CF102) is currently in a Phase II trial for patients with advanced liver cancer, is slated to enter Phase II for the treatment of NAFLD/NASH, and has been out-licensed in Korea. CF602, the Company's third drug candidate, has shown efficacy in the treatment of erectile dysfunction in preclinical studies. Can-Fite's intellectual property portfolio consists of 120 patents issued and pending.

Technology Description: Can-Fite's platform technology is based on the finding that the Gi protein-coupled A3 adenosine receptor (A3AR) is over-expressed in inflammatory and cancer cells. The Company's proprietary compounds target and bind with A3AR and induce specific cell death of cancer and inflammatory cells. This creates a targeted anti-cancer and anti-inflammatory effect, while leaving normal cells unharmed. A3AR is also a biological predictive marker which helps to identify individual patients' responsiveness to the Company's drugs. The biomarker will be used in the upcoming Phase III psoriasis study.

Partnership Interests: Can-Fite is looking to out license its drugs under development to Pharmaceutical and Biotechnology companies in the field of Cancer, Autoimmune & Liver Diseases, and Sexual Dysfunction.



Carmel Diagnostics Ltd.

Technology Sector: Life Sciences

Technology Subsector: Diagnostics

Company Stage: Clinical Validation studies

Establishment Year: 2009

Number of employees: 3

Website: www.carmel-diagnostics.com

Contact Person: Tzali Cnaani

Email: tzali@carmel-diagnostics.com

Company Description: Carmel Diagnostics is an Israeli privately owned healthcare company that develops clinical applications of its proprietary Thermochemiluminescence technology platform. The technology enables assessment of oxidative stress in body fluids and prediction of clinical problems linked to levels of oxidative stress. TCL Analyzer™, a diagnostic medical device based on TCL technology, has been constructed and validated both in laboratory and pre-clinical studies. Carmel Diagnostics focuses its activity on two major applications: prediction of Congestive Heart Failure (CHF) condition, and selection of the most promising embryo for implantation during In-Vitro Fertilization (IVF) procedures. Proof of concept for both applications has been demonstrated in pre-clinical studies. TCL Analyzer™ meets major healthcare needs for a large market that will continue to grow in coming years. Carmel Diagnostics was founded by Tzali Cnaani after a management buyout of Lumitest's intellectual and tangible assets.

Technology Description: The Technology – *ThermoChemiLuminescence* (TCL): Thermochemiluminescence (or TCL™) builds upon the concept of chemi-luminescence as a diagnostic tool. Chemiluminescence is light emitted during (cold) chemical reactions. TCL is the emission of light that occurs when chemiluminescence is augmented with heat. The TCL assay is based on the heat-induced oxidation of a sample of biological fluid. The introduction of heat leads to the formation active and excited species associated with oxidation of lipids, proteins and other chemical substrates. TCL is a fast, reliable method for the assessment oxidation stress OS, which is associated with pathogenesis of many inflammatory and other disorders.

So what does TCL actually measure? The introduction of heat results in oxidation that causes the emission of light (photons) which represents the pace of the oxidizing reaction. The Carmel TCL Analyzer measures the number of photons emitted per second over a period of 300 seconds while providing heat to the sample. Two parameters are measured: the level of oxidative stress (the imbalance between oxidants and antioxidants), and the oxidation potential. The resulting parameters give an accurate indication as to the embryo's metabolism with its environment which allows separating healthy embryos from weak ones.

The Product: TCL Analyzer™ : Non Invasive Analysis of Oxidative Stress profiles; \$3.0M in total R&D; Patents issued for method and device (US, EU, RU,CH, JP, CA, AU, IL); Published proof of concept data -- 280 embryos tested; In preparation for Regulatory submission; Business model based on the sales of test cycles and not only the devices.



The TCL Analyzer™ is currently the only high throughput, robust, accurate, and cost effective device that can measure OS for practical clinical application. The procedure takes about 10 minutes per sample to complete. Multiple samples can be analyzed in parallel. The device is suitable for routine laboratory use or point-of-care applications and offers a rapid, cost-effective and non-invasive or minimally invasive method for measuring systemic levels of OS. The TCL Analyzer™ is in its third generation of development, and has already been used in a wide variety of clinical studies and research applications.

Partnership Interests: Carmel Diagnostics is looking for strategic partners with whom it can complete the products, launch it in the marketplace and promote its sales. The company seeks an investment to accelerate the development process.

Cnoga Medical Ltd.

Technology Sector: Life Sciences

Technology Subsector: Medical Devices, E-health, Healthcare IT

Company Stage: Revenue Growth

Establishment Year: 2004

Number of employees: 40

Annual sales: N/A

Website: www.cnoga.com

Contact Person: Alon Kapel, Sales Director, Japan

Email: alon@cnoga.com

Company Description: Development, marketing and sales of non-invasive medical devices for blood bio parameters measurement for home care or clinical use.

Technology Description: The technology is based on spectral analysis of the finger peripheral blood under 4 wavelength LEDs and CMOS sensor, by proprietary, clinical tested algorithm. The measured parameters are transmitted by Bluetooth connectivity to smart phone apps and to the cloud application for analysis, storage and review by the care giver or doctor.

The company provides few products:

- **MTX:** multi bio parameters monitor (Pulse, Spo2, blood pressure, MAP, cardiac output, Stroke Volume, Hematocrit (HCT), hemoglobin (Hgb), Red Blood Count (RBC), Blood gases (PCO2, PO2, O2, and CO2), pH, etc.
-Blue tooth connectivity to Smart phone and cloud.
-Cloud based Doctor and patient management application.
- **VSM:** Vital signed monitor: Blood pressure, Pulse, sPO2
(Optional 3 other parameters added):
Blood gases (PO2, PCO2, Ph).
Blood count (Hgb, HCT, and RBC).
- **CoG:** Invasive and Noninvasive glucometer.

Partnership Interests: Medical device distributors, Cloud service healthcare and lifestyle management for the Japan market based on Cnoga system, technology and devices.





GynTools Ltd.

Technology Sector: Life Sciences

Technology Subsector: Healthcare IT, Medical Devices, Diagnostics and Telemedicine

Company Stage: Seed, R&D

Establishment Year: 2016

Number of employees: 4

Annual sales: N/A

Website: Under construction

Contact Person: Nimrod Lev, CEO

Email: nimrod@gyntools.com

Company Description: GynTools is an Israeli startup company that develops innovative rapid point-of-care microscopy based diagnostic tools, for better Women's health. GynTools will offer a patient centric automated solution to detect the various diagnoses behind vaginal inflammation presenting with discharge, itch or pain. GynTools team includes, currently, four talented and experienced people, and two advisory board members, expert gynecologists and key opinion leaders

Technology Description: GynTools will offer remote diagnostic tools for gynecology problems, based on special sample applicator, clinic based scanning device and cloud based analysis. GynTools algorithms, together with a big data base, will help to rapidly and correctly diagnose common feminine illnesses that are poorly diagnosed today.

Partnership Interests: We are looking for possible cooperation and strategic partnership with Japanese companies / organizations in the following fields:

1. Optics- lenses, mobile cameras.
2. Big Data management.
3. Microscopic Image analysis.
4. Multi-Disciplinary Medical devices manufacturers.
5. Medical devices distributors with strong presence in women's health / gynecology area.
6. MD researchers – gynecologists / clinics.

In addition, we are looking for investments.



INNOVENTIONS LTD.

Innoventions Ltd.

Technology Sector: Life Sciences

Technology Subsector: Medical Devices, Diagnostics

Company Stage: R&D

Establishment Year: 1998 (as Innoventions Inc.), in 2006 the assets of Innoventions Inc. were acquired by Prof. Daniel Yachia making it an Israeli R&D company re-named Innoventions Ltd.

Number of employees: 6

Annual sales: N/A

Website: Under construction

Contact Person: Prof. Daniel Yachia, Founder & CEO

Email: dyachia@innoventions-med.com


Company Description: Innoventions Ltd. is an Israeli-based medical device company developing a range of devices in the fields of urology, GI, vascular and cardiology GI. Innoventions Ltd., based in Israel, was founded by Prof. Daniel Yachia –a serial entrepreneur and founder of several medical device companies dedicated to developing his inventions. Among them: InStent (M&AMedtronic) and Allium Medical Solutions (IPO Tel Aviv Stock Exchange).

Prof. Yachia is an acknowledged urologist, the author of the BMA (British Medical Association) prize-winning textbook on urological stents, other medical book chapters, medical videos and numerous medical publications. Innoventions functions as a technology accelerator/incubator dedicated to the development of Prof. Yachia's medical device ideas and inventions in the abovementioned fields. Innoventions team consists of highly experienced medical doctors, bio-medical, mechanical and chemical engineers.

Initial R&D is performed in-house and self-funded. Once proof-of-concept has been established partnerships are developed with relevant players in the form of capital investments (i.e. Venture, angel), joint-ventures, spin-offs or other mutually agreeable arrangements.

Technology Description: Innoventions is developing a range of devices in the fields of urology, GI, vascular and cardiology:

- The ContiSphere for the management of urinary incontinence in cases that failed surgical treatment
- RemS, a new generation of easily removable vaginal slings, which overcome the sling removal problems in cases of complications
- AnteCath, an internal device that replaces the need for Clean Intermittent Self Catheterization (CISC)
- A new Double-J stent for preventing/reducing irritative bladder symptoms & flank pain that afflict up to 80% of patients
- A biofilm-repelling catheter to prevent catheter-associated urinary tract infections (CAUTI), a cause of tens of thousands of patient deaths world wide
- Non-invasive device for strengthening weak pelvic floor muscle tonus in cases of incontinence, and weak gastro-esophageal sphincter tonus in cases of GERD (Gastro-esophageal Reflux Disease)

- 
- An embolic protection device that can accompany TAVI Procedures , to prevent both stroke and also embolic complications in other vital organs (i.e. kidneys, bowel)
 - The PharmaSphere Carrier for intravesical/intracavitary drug delivery for over-active bladder, painful bladder syndrome, superficial bladder cancer, intractable bladder infections.
 - The DynaSphere urodynamic holter
 - The FistuSphere for the management of obstetric vesico-vaginal fistula
 - The StimSphere intravesical/intragastric electrostimulation in areflexic/hyporeflexic bladder, obesity and gastroparesis
 - A wearable sacral plexus stimulator for the management of overactive bladder and certain types of bed-wetting.

Partnership Interests: Innoventions is seeking partners who can contribute one or more of the following capabilities:

1. Funding and investments in medical devices
2. Expertise in bio-film formation and prevention
3. Expertise in tissue engineering and wound healing
4. Expertise in design and manufacturing of plastic molding for medical devices
5. Expertise in the design, and manufacturing of nitinol-based medical devices
6. Expertise on magnetic fields on living cells
7. Pharmaceutical companies interested in intracavitary drug delivery



Magdent

Technology Sector: Life Sciences

Technology Subsector: Medical Devices

Company Stage: Seed

Establishment Year: 2011

Number of employees: 6

Annual sales: N/A

Website: www.magdentmed.com

Contact Person: Elad Yakobson, COO

Email: elad@magdentmed.com

Company Description: Magdent has taken a well-known and clinically accepted treatment method — using an electromagnetic field to accelerate and improve bone healing and growth — to develop its miniaturized platform technology for enhancing bone healing for dental implants. Magdent was founded in 2011, financed by an R&D grant from the Office of the Chief Scientist of Israel, and was part of the Trendlines group incubators. Since 2015, Magdent had raised 1.3M\$ from private investors. Magdent's first line of products is intended for the dental implants market, and the company has started R&D for a new line of products for the orthopedics market.

Technology Description: Magdent's novel technology utilizes electromagnetic fields to stimulate, accelerate, and improve bone formation and quality for shorter, more successful dental implant procedures and suppresses bone infections — making it the only treatment in cases of Peri-Implantitis and Peri-implant mucositis. Magdent has developed its first product, MED — Miniaturized Electromagnetic Device small enough to fit most dental implants. MED is easily screwed into the implant and removed at the end of the treatment period using regular protocols. Magdent's MED — incorporates a battery, an electronic device and a coil that fits most implant models in much the same way as today's simple healing cap. The unique design eliminates the external devices currently used during implant surgery. MED's technology actively stimulates, accelerates and improves osseogenesis (bone formation) and osseointegration, for shorter, more successful dental implant placement. MED suits candidates who may otherwise not be considered for implants: older people with decreased bone density, patients with bone diseases (including diabetes, osteoporosis, metabolic diseases of the bone), and smokers.

Partnership Interests: We are seeking for partners as followed:

1. Academic research (clinical and pre-clinical) — researchers that are interested in researching the effects of our technology (dental and orthopedics).
2. Orthopedics companies that are interested in joint research and product R&D.
3. Distributors in the local market for the MED (our dental product).
4. Potential investors.



Med-Dev Design

Technology Sector: Life Sciences, IT & Enterprise Software

Technology Subsector: Agrobiotech, Bioinformatics, Biologicals, Diagnostics, Healthcare IT, Industrial, Medical Devices, Telemedicine, Therapeutics & Security.

Company Stage: R&D

Establishment Year: 2011

Number of employees: 11

Annual sales: N/A

Website: www.meddev-design.com

Contact Person: Dina Sifri

Email: dina@meddev-design.com

Company Description: Med-Dev Design is a professional development company that specializes in medical software development solutions. Company services cover all aspects of medical device development, including: product and project management, software design, software development, software architecture, software verification and validation as well as documentation for the regulatory bodies. The Med-Dev Design team of exceptional software and V&V engineers bring more than a decade of broad range experience in developing medical devices. Med-Dev Design offers a wide range of solutions tailored to customers' requirements for companies in all stages. Med-Dev Design customers enjoy engineering support of the highest possible standards, in design and development of medical applications, and in continuously improving and perfecting medical device products.

Technology Description: Med-Dev Design specializes in a wide range of services for medical device applications and product. These Services are dividing into two sections:

R&D:

- Software Development
- Project and Product Management
- Software Architecture and Design
- Application and Software Definition
- Turn-key development

Software Verification and Validation (V&V):

- SQA (software quality assurance) and Software Regulatory Documentation that complies with international regulatory standards
- Software Documentation in UML
- Software Reverse Engineering Documentation
- Software Life Cycle Procedures and Support
- Software Regulation Maintenance

The Med-Dev Design team of exceptional software engineers excels in top-of-the-line software development. Our team has acquired strong partnerships and a stable client base using long-term focus and commitment.



Partnership Interests: Companies or universities, that have a medical need, and we'll provide the development solutions. We are looking for medical device companies that are developing any device that contains software, or research groups that have found solution for medical need. We'll be happy provide full or partial development of the project. We have a lot of experience in all software fields, as well as projects management and entire development.



Montfort Brain Monitor Ltd.

Technology Sector: Life Sciences

Technology Subsector: Healthcare IT

Company Stage: Seed

Year Established: 2014

Number of Employees: 4

Website: www.mon4t.com

Contact Person: Ziv Yekutieli, CEO

Email: Ziv.yekutieli@mon4t.com

Company Description: Montfort turns regular smartphones into portable brain labs.

Technology Description: Montfort is a low-cost and large-scale brain feedback system. Montfort utilizes regular smartphones to provide a digital version of standard medical tests. By linking to the smartphone integral sensors (such as accelerometer, touchscreen and more), we can examine the subject's gait, balance and other motor indicators, along with several cognitive tasks. Montfort's products are currently being used in all of Israel's leading hospitals, running thousands of tests from over 10 different neurological disorders.

Partnership Interests: We are looking for investment and medical companies\clinics that would like to use our service. We are looking for experts in neurological disorders and the elderly population.



NovellusDx

Technology Sector: Personalized Medicine (Cancer)

Technology Subsector: Molecular Biology

Company Stage: R&D (Started servicing pharma & patients early 2016)

Year Established: 2011

Number of Employees: 40

Website: www.novellusdx.com

Contact Person: Haim Gil-Ad, CEO

Email: haim@novellusdx.com

Company Description: NovellusDx is a Molecular Diagnostics company dedicated to delivering the actionable intelligence that oncologists require in order to choose the right therapy for each patient. NovellusDx provides comprehensive oncogenic activity profiling of individual patient tumors including charting the full landscape of known and unknown mutations that drive cancer's progression, as well as the hierarchy of driver mutations and mutation Cross-Talk. By measuring the activity of signaling pathways within a tumor, NovellusDx can assess the oncogenic activity of mutations and their response to targeted drugs for every patient individually. NovellusDx has analyzed dozens of human case studies that demonstrate the actionable information our system provides well beyond that provided by NGS.

Technology Description: NovellusDx technology offers solutions for two markets:

1. Patient-oriented precision medicine: NovellusDx addresses two major bottlenecks that limit the ultimate utilization of NGS patient data:
 - a. Discriminates between passenger mutations and driver mutations. Supporting the physicians with the actionable report for better clinical decision.
 - b. Test relevant targeted therapeutics drugs and detect the drug or combination of drugs to inhibit patient activated signaling best.
2. Drug discovery: NovellusDx is solving several tailbacks -
 - a. Better patient selection in clinical trials.
 - b. Estimate the need for CDx for a given drug and better support it.

Partnership Interests: To support Personalized medicine market opportunity: 1. Service labs specifically experts in Cancer Diagnostics, to develop JV's for our test in Japan. 2. Leading Cancer Medical and Research centers to collaborate in clinical trials. 3. Leading diagnostics companies to collaborate in further development of the test for the Japanese market. 4. Government agencies responsible for the Japanese Genome project. 5. Key Opinion Leaders in Cancer medicine. To support pharma market opportunity: Pharmaceutical companies developing targeted therapy drugs.



Natural beauty. Powered by technology.

Orberry Pharma Ltd

Technology Sector: Life Sciences

Technology Subsector: Medical Devices

Company Stage: Seed

Establishment Year: 2017

Number of employees: 4

Annual sales: N/A

Website: Under construction

Contact Person: Anatoli Rapoport, President

Email: Anatoli@orberry.com

Company Description: A startup with a medical, bedside inspection concept, patent pending.

Two primary applications:

1. Advanced visual monitoring of correct gastric feeding tube location in laparoscopic operations
2. Visual guidance of naso-gastric feeding tube insertion, significantly reducing the potential for damage and alleviating the need for x-ray location confirmation.

Technology Description: The technological concept proposed includes a flexible duct with imaging capabilities at its distal tip and a novel, low cost, implementation for articulation.

In laparoscopic operations the imaging capability and the articulation permit verification of the location of the feeding tube despite the strong distortion of the stomach under the laparoscopic insufflation of the abdominal cavities. This allows continued suction of the stomach during the operation without compromising safety and potentially injuring the stomach walls.

In naso-gastral insertion, the visual component of the ductoscope can be inserted prior to, during, or after the insertion of the actual feeding tube. This allows for a low cost feeding tube, comparable in price to a standard naso-gastric feed tube, but with the option of adding the visual component if needed.

Partnership Interests: We are seeking a partner with marketing capabilities of medical devices.



Peak Medical

Technology Sector: Life Sciences

Technology Subsector: Medical Devices

Company Stage: Initial revenue

Establishment Year: 2013

Number of employees: 5

Annual sales: \$100000

Website: www.peakmedic.com

Contact Person: Evgeny Pecherer, CEO

Email: info@peakmedic.com

Company Description: Peak Medical Ltd is a provider of unique airway management, emergency and critical care devices that do beyond what traditional devices would normally supply. Our mission is to develop a steady stream of novel, patentable medical devices for Global Market. Among the products that Peak Medical has developed and is manufacturing are:

- Video Laryngoscope for neonates, especially for very low weight preemies, with range of disposable blades and special attachments for surfactant application and oxygen insufflation.
- Range of disposable and reusable laryngoscope for neonates, especially for very low weight preemies, with range of disposable blades and special attachments for surfactant application and oxygen insufflation.
- Range of disposable, foldable ultralight laryngoscopes for EMS and military application.
- Range of Disposable Stylets for video laryngoscopy and difficult intubation.
- Disposable Neonatal Transilluminator.
- Portable Neonatal Resuscitator -Ventilator (working prototype stage)
- Portable Mobile Monitor of resuscitation process (under development)

All the products based on 7 company's patents and patents applications

Technology Description: Precision injection plastic molding, 3D printing, electronics, video system, mobile devices.

Partnership Interests: Distributors, license manufacturers.



Pepticom

Technology Sector: Life Sciences

Technology Subsector: Therapeutics

Company Stage: R&D

Establishment Year: 2011

Number of employees: 4

Website: www.Pepticom.com

Contact Person: Maayan.elias@pepticom.com

Email: Dr. Maayan Elias Robicsek, BDO

Company Description: Pepticom Ltd. is an innovative computational drug discovery company, founded in 2011. It is co-owned by the Hebrew University of Jerusalem, seed investors and the scientific team that developed Pepticom's unique peptide design technology. The company developed a platform that specializes in ab-initio prediction of peptides. These peptides can be used in the pharmaceutical and diagnostic industries. It was already implemented successfully in various research and development fields, particularly in the field of drug discovery resulting in the discovery of several inhibitors and activators for various targets. Ultimately, the company's technology can support, improve, and accelerate the early stage of therapeutic and diagnostic research by reducing the time and costs.

Technology Description: Pepticom Ltd. developed an exceptional computational software, which allows for the ab-initio design of peptides that bind a target protein. The software requires only the solved structure of a target protein for designing the peptides in three-dimensional space and provides their binding modes and calculated binding energy. The peptides undergo a complex design process, until eventually converging on to a diversified peptide library of optimal binding affinity, size and solubility. These peptides can primarily serve for drug development as protein activity modulators (agonist/antagonist), and protein-protein interaction blockers. Other applications of our technology are possible in diagnostics, for example in protein labelling (fluorescent or nuclear imaging), and for protein purification. The use of peptides as drugs is becoming more common nowadays with the understanding of their advantages over small molecules and antibodies, which constitute most of the clinically used drugs. Peptides can be easier and more inexpensive to manufacture. They occupy a new size range, an intermediate one, bigger than small molecules but smaller than antibodies, that can be used to improve desired properties. Additionally, peptides may have less side effect and may be less immunogenic

Partnership Interests: We are looking for expert partners in diagnostic and / or pharmaceutical R&D. Those partners can be either a private or public company, a research institute or university.

The partner should have knowledge and skills in R&D including in-vitro and in-vivo capabilities. Additionally, they should possess global view and experience in the research field and industry.



Pluristem Therapeutics Inc.

Technology Sector: Life Sciences

Technology Subsector: Therapeutics

Company Stage: Clinical Stage

Establishment Year: 2003

Number of employees: 170

Annual sales: N/A

Website: www.pluristem.com

Contact Person: Efrat Kaduri

Email: Investor.relations@pluristem.com

Company Description: Pluristem Therapeutics Inc. is a clinical-stage biotherapy company using placental cells and a unique, proprietary, three-dimensional (3D) technology platform to develop cell therapies for conditions such as inflammation, ischemia, hematological disorders, or exposure to radiation. Pluristem is entering late-stage trials in several indications and was accepted for accelerated pathways for regenerative medicine in Europe and Japan.

Technology Description: Early in our development as a company, we understood the need to develop the first tightly controlled, completely automated, efficient and scalable cell manufacturing technology in order to produce the highest quality cell therapy products on a commercial scale. We developed a state-of-the-art, proprietary bioreactor system which provides a three dimensional (3D) micro-environment for our cells that resembles the environment in the human body. As a result, our cells expand rapidly and remain healthy and potent as we alter conditions within our bioreactors to transform them into unique, patented cell therapy products. Our advanced manufacturing technology can generate cell products on a mass scale with batch-to-batch consistency, making them true commercial products.

- **PLX PRODUCTS:** PLacental eXpanded (PLX) cells are placenta-derived, mesenchymal-like adherent stromal cells that are designed to be administered to patients without the need for tissue or genetic matching. These cells release soluble biomolecules, such as cytokines, chemokines and growth factors, which act in a paracrine or endocrine manner to facilitate healing of damaged tissue by stimulating the body's own regenerative mechanisms.
- **PLX-PAD:** PLX-PAD cells respond to chemical distress signals from tissues that have been damaged by ischemia (inadequate blood flow), muscle trauma, or inflammation, by secreting a range of therapeutic proteins that trigger the body's own repair mechanisms. These secreted proteins drive the body to grow collateral blood vessels to bring oxygenated blood to ischemic tissue, heal damaged muscle, and dampen inflammation. PLX-PAD cells also modulate the immune system, which plays a central role in the body's response to injuries.
- **PLX-R18:** PLX-R18 cells release a combination of therapeutic proteins in response to a damaged or poorly functioning hematopoietic system; this system creates the blood cells that protect us from infection, uncontrolled bleeding and anemia.

Partnership Interests: We are committed to working with corporate strategic partners, medical organizations and academic institutions to enhance the global reach of our PLX product portfolio.

PRC Optic Ltd.



PRC Optic Ltd.

Technology Sector: Life Sciences

Technology Subsector: Medical Devices

Company Stage: R&D

Establishment Year: 2005

Number of employees: 6

Annual sales: Up to 20k

Website: Under construction

Contact Person: Arie Huber, CEO

Email: ahuber@barak.net.il

Company Description: PRC Optic Ltd. is engaged in certain product developments in the area of electro mechanic and related projects. Originally the company was established based on projects in collaboration with European companies. Currently the company strategy is to develop new cardio vascular system for opening and cleaning Coronary Total Occlusion and at other arteries. The company's Intellectual Properties include protected and other IP technologies that enable vision ahead into artery blockage, methods to safely clean the artery and more. The company has initiated contacts with investors and companies in the field.

Technology Description: The main system is a probe that will be able in efficient and mainly safely ways to navigate, open and clean coronary Total Occlusion as well as blockages at other peripheral arteries.

Partnership Interests: Industrial Company in the area of cardio vascular that intend to invest, collaborate in development and may get marketing and / or manufacture rights.



Remedor Biomed Ltd

Technology Sector: Life Sciences

Technology Subsector: Therapeutics

Company Stage: R&D

Establishment Year: 2009

Number of employees: 9

Annual sales: N/A

Website: <http://www.remedor.com>

Contact Person: Mark Belokopytov

Email: mark@remedor.com

Company Description: Remedor Biomed is a biopharmaceutical company which develops and markets innovative medications for chronic and hard-to-heal skin wounds. The Remedor Biomed technology platform is based on a unique formulation containing a naturally occurring glycoprotein, erythropoietin (EPO) which is active in each phase of the healing process. Remedor's unique technology is the only solution that restores the abnormal wound healing process in diabetes to normal. EPO, a glycoprotein hormone that regulates erythropoiesis and is an FDA-approved drug for treating anemia that results from chronic kidney disease and myelodysplasia, is a potentially attractive therapeutic option for skin wound healing in patients with diabetes because it accelerates the wound healing process by exerting its effects during the four phases of wound healing, as reported in animals with experimentally-induced diabetes (Hamed et al., 2014) and patients with diabetes (Bader et al 2011). Since EPO is already an FDA-approved drug and has a well-known safety profile, it is an excellent candidate for repurposing. Relatively inexpensive formulations of this drug will soon be available due to expiry of EPO's patents.

Technology Description: The technology of Remedor Biomed is secured by registered patents on wound healing in USA, EU, Japan, and Israel; and several patent that are pending registration. Remedor has developed a therapeutic topical gel (the product) for treating a chronic wound. This product is a unique formulation which contains recombinant human erythropoietin (EPO) as its active pharmaceutical ingredient (API). Recombinant human EPO is produced by recombinant DNA technology in cell culture and is an approved drug for stimulating erythropoiesis in patients with anemia. EPO is considered to be safe and its production has become inexpensive. Remedor Biomed has successfully manufactured its product under conditions that comply with GMP and has tested its product in diabetic mice, rats and pigs with chronic wounds (J Invest Dermatol. 2010; 130:287-94 and J Invest Dermatol. 2011; 131:1365-74) and patients with DM in two small pilot clinical trials in Germany (University Hospital rechts der Isar, Technische Universität, München, Germany) that were sponsored by Remedor Biomed (J Transplant Stem Cell Biol. 2015; 2:4). Currently, Remedor is testing the efficacy and safety of product in clinical trials in Israel. Currently, there is no approved drug for the treatment of chronic diabetic wounds and the Remedor's product might be the only drug with high cost/effectiveness advantage in the market soon. The product will be marketed to clinics and pharmacies through existing distribution networks and will be prescribed by wound care doctors to the patients and also for



home care. Among the stakeholders that will benefit are patients, their family members, healthcare system, and insurers.

Partnership Interests: An excess of 25 billion EUR is spent annually on treatment of chronic wounds in the world. The wound care market in the EU comprises 20% of the world market and in 2015 was estimated to be worth 6 billion EUR. In the European Community, chronic wounds affect around 8 million patients. The burden of treating chronic wounds is growing rapidly due to increasing health care costs, an aging population and, in the EU and beyond, a sharp rise in the incidence of diabetes and obesity worldwide. Up to 25% of all diabetics develop a diabetic foot ulcer. About 79,000 non-traumatic lower-limb amputations were performed in people with diabetes in 2010. At 38,000 EUR per amputation procedure, diabetes-related amputations cost approximately three billion euro per year. Recurrence rate of diabetic foot ulcers is 66% and the amputation rate rises to 12% with subsequent ulcerations. Adjusting for health-care inflation in 2012, foot ulcers cost between 7,439 to 20,622 EUR per episode. The volume of this market continues constantly to expand. This huge market of chronic diabetic wounds care solutions encompasses about 150 products with several tens of others under development. In general, the current treatments for chronic wounds involve the maintenance of a clean microenvironment. To-day there is no treatment promotes actively wound healing process and no product is completely efficacious. The wound care products that are currently available on market or under development are:

- Dressings which control the wound's moisture levels, and do not induce healing;
- Surgical treatment (skin grafting of dermal and epidermal tissues), which are very expensive, and limited when limb perfusion is impaired or when the potential of high morbidity is a contraindication for an extensive surgical procedure;
- Negative pressure wound therapy and hyperbaric oxygen therapy, that are very costly and usually require several weeks of hospitalization or a nursing facility;
- Treatment with biological components, i.e. growth factors, which have limited safety due to carcinogenicity and cost.

Currently, there is no approved drug for the treatment of chronic diabetic wounds and the Remedor's product might be the only drug with high cost/effectiveness advantage in the market soon. The product will be marketed to clinics and pharmacies through existing distribution networks and will be prescribed by wound care doctors to the patients and also for home care. Among the stakeholders that will benefit are patients, their family members, healthcare system, and insurers.



Seevix Material Sciences, Ltd.

Technology Sector: Life Sciences & Miscellaneous Technologies

Technology Subsector: Medical Devices, Defense & Industrial Technologies

Company Stage: R&D

Establishment Year: 2014

Number of employees: 12

Annual sales: N/A

Website: www.seevix.com

Contact Person: Shlomzion Shen

Email: shlomzi@seevix.com

Company Description: Seevix Material Sciences is a private company generating patented high-strength spidersilk fibers which are the basis for high-performance, functional materials. Backed by over a decade of research and powered by our unique technology, our man-made spidersilk fibers are intended for next-generation products in various industries.

Technology Description: Through recombinant DNA technologies, we are unique in our ability to replicate the natural process of spidersilk creation. We induce the natural self-assembly process of the proteins composing the fibers, thereby directly generating actual spidersilk without the need to purify or artificially spin those proteins into fibers.

Partnership Interests: Seevix Material Sciences has the proven ability to manufacture man-made spider fibers. The company's fibers can be engineered for specific uses that require exceptional strength, flexibility, heat and chemical resistance, as well as transparency. Additionally, the fibers are valuable for medical products due to their biocompatibility and biological properties. Seevix Material Sciences wishes to pursue partnership opportunities and collaborations involving the development of its tailor-made fibers for a wide range of industries.



Todos Medical

Technology Sector: Life Sciences

Technology Subsector: Diagnostics

Company Stage: Initial Revenues

Establishment Year: 2010

Number of employees: 5

Website: www.todosmedical.com

Contact Person: Mr. Rami Zigdon, CEO

Email: rami@todosmedical.com

Company Description: Simple blood test for cancers screening: Todos Medical developed a unique simple blood test for cancers screening. We provide blood tests for Breast cancer (TB) and general indication for cancer activity (TM).

Todos Medical sell kits for the blood sample preparation and the sample is read by mid IR spectrometer. The spectrometer results are analyzed at Todos Medical server and an answer is sent to the customer.

Technology Description: TBIA*-Blood test for cancers screening INNOVATIVE TECHNOLOGY: TBIA technology is detecting small biochemical changes on the PBMC and Plasma. These changes are induced by the cancer ("Biochemical fingerprint"). The "sensors" in this case are the body immune system + biomarkers in the plasma. TBIA is based on conventional laboratory methods for blood separation plus an innovative optical method for measuring the "biochemical fingerprint" of the PBMC and Plasma. The optical results are analyzed by a unique sophisticated mathematical algorithm to generate the TBIA score.

***TBIA**-Total Biochemical Infrared Analysis

***PBMC** – Peripheral Blood Mononuclear Cells

Partnership Interests: Two main types:

1. Commercial – companies that have experience in selling and using diagnostic tests.
2. R&D – companies that have experience and products in one of the following fields:
 - a. Blood separation automation.
 - b. FTIR spectroscopy technology.



TouchéMedical

Technology Sector: Life Sciences

Technology Subsector: Healthcare IT

Company Stage: Seed

Establishment Year: 2011

Number of employees: 12

Website: www.touchemedical.com

Contact Person: Avihoo Keret, CEO

Email: Avi.k@touchemedical.com

Company Description: The World's Lowest Cost Patch Pump: We are developing the world's lowest cost patch pump that has the potential to impact the lives of millions of people suffering from chronic diseases such as diabetes and Parkinson's worldwide. The relatively high cost of patch pumps has to date been a major barrier to their use in drug delivery.

Technology Description: Our Rotating Patch Pump - All Features at Ultra Low Cost

Our pump comprises two parts - a disposable reservoir that is placed on the patient's skin and a reusable electronic mini pump. Our technology has several significant features:

- Ultra-low manufacture costs – disposable reservoir is made of 4 parts, designed for automated assembly and testing to enable large scale, high yield manufacture. Electronic pump controls plunger position to compensate for plunger creep thus avoiding the need for more expensive high mechanical accuracy parts and materials.
- Safe dose control – high level of pump accuracy is achieved by electronic, closed-loop control over the rotary syringe plunger position.
- Small size, very low profile - 47mm long, 47mm wide and 12mm thick (2cc reservoir).
- Communication and drug administration monitoring.
- Drug cocktail - Delivery of 2 or more drugs simultaneously

Partnership Interests: We are looking for:

- Medical Plastic parts manufacture with 100-200 M parts per year
- Distributer of medical device
- Drug company that looking for small low cost pump



Clean-Tech Companies



Brenmiller Energy

Technology Sector: Clean-Tech

Technology Subsector: Energy

Company Stage: Initial Revenues

Establishment Year: 2012

Number of employees: 40

Annual sales: N/A

Website: www.bren-energy.com

Contact Person: Gideon Sharir

Email: gadi@bren-energy.com

Company Description: Brenmiller Energy has developed a new way to handle energy storage in a cost efficient and environmentally friendly way. The proprietary unique ENERGY STORAGE CENTER, a high temperature thermal energy storage, provides sustainable energy solutions to the Distributed Generation market. Brenmiller Energy's knowledge and expertise are well-grounded and are based on years of field experience in designing, building and operating solar power plants in Spain and in US, since the 1980's, of over 500MW. Brenmiller Energy has received several grants and awards for developing a groundbreaking technology from the Israeli government and the EU, including the EU's seal of excellence under the H2020 program.

Technology Description: The Energy Storage Center is a unique technology incorporating three key elements in one unit: inexpensive high temperature thermal storage, simplified heat exchanger, and built-in steam generator. This allows producing renewable power, high temperature industrial steam or even shifting conventional power to peak demands in the most cost effective way. To meet environmental requirements, its distinct configuration enables hybridization of multiple heat sources, whether renewable or other, resulting in a complete resource optimization.

Key Advantages:

- **Green and Clean:** We are committed to environmental stewardship. Unlike other storage devices, we use a 100% clean process from start to finish.
- **Cost effective:** We use common solid-state storage medium to capture and store the heat in a simplified and yet unique configuration.
- **IP Protection:** New patents have been registered worldwide to protect the company's innovation and new technology.
- **Multiple Heat Sources:** Capable of utilizing any number of heat sources, the Energy Storage Center allows for complete optimization of all local resources.
- **Modular:** From a few MWh to several GWh. This flexibility allows us to provide a cost-effective service to any storage need across a wide range of applications.



- Low cost O&M: As a passive unit, it requires minimal maintenance.
- Bankable: Our technology was verified by a leading independent technical engineering company, providing bankability report services to tier1 international financial institutes.

Partnership Interests: Looking for financial, technical, operational partnerships, such as:

1. Engine Manufacturers, Engineering Companies or ESCO/IPP/Developers, and any company with a pipeline of CHP projects, that would like to improve their system performances.
2. Local technical partners
3. Local financial partners
4. Local technological partners



Green Polymers Ltd.

Technology Sector: Clean-Tech

Technology Subsector: Environment

Company Stage: R&D

Establishment Year: 2016

Number of employees: 8

Annual sales: N/A

Website: Under construction

Contact Person: Shai Shahal, CEO

Email: Shai@polygreen-group.com

Company Description: Green Polymers Ltd. is developing and manufacturing biocompatible and biodegradable Super Absorbent Polymers (SAP) for personal Hygiene, Agriculture, pharmaceutical and industrial usage.

Technology Description: New all "green" biodegradable – clean production, means no harm to the environment multi-purpose sap –super absorbent polymer for use in : (1) disposable diapers, which are great for the biodegradable diaper or regular—absorb the urine like non "green" sap, that are made currently in japan; (2) slow release of water or fertilizers for agriculture, that helps save water in irrigation without any harm to the land; (3) innovation of home electronic appliances to make life at home easier.

Partnership Interests: Investors like private investors – chemical production companies that can invest the funds heeded for commercial production of super absorbent for diapers and research into agriculture-public or private holding companies.



Leviathan Energy Hydroelectric LLC

Technology Sector: Clean-Tech

Technology Subsector: Energy

Company Stage: Initial Revenues

Establishment Year: 2008

Number of employees: 3

Website: www.benkatina.com

Contact Person: Dr. Daniel Farb, CEO

Email: dfarb@benkatina.com

Company Description: Leviathan Energy Hydroelectric aims to become the world's leading company for small hydro turbines for water systems, with an in-pipe turbine capable of generating energy in many locations that until now were thought to be uneconomic. Its technologies enable the company to create a \$100 billion market of retrofits and new opportunities. Previously an Israeli company, it is now reopening with its center in the US. Leviathan's patent-pending Benkatina™ hydroelectric in-pipe turbines produce energy in locations where it is appropriate to convert excess pressure into electrical energy for grid and off-grid uses. Because excess pressure, which always occurs in piping systems, can cause leaks and other problems, pressure breakers are an integral part of water systems. Current pressure breakers throw away all the energy associated with the pressure drop. Leviathan's patent-pending Benkatina™ hydroelectric in-pipe turbine is a pressure breaker that recycles the energy, thus making money for the client. Its unique efficiency converts a large part of the water pressure into electricity, over a wide range of conditions. It primarily addresses the small and medium range of renewable energy generation, and benefits water utilities, irrigation systems, and other water users or suppliers because until now there was no economic way to recover this energy. Hydroelectric power is the most cost-effective renewable energy; Leviathan is opening up a new market of hydroelectric power from closed piping systems that will lead to and become a necessary part of the implementation of a smart water grid. Our development of software systems to integrate energy into that grid is part of our long-term vision to use our unique hardware technologies as a platform for enterprise software sales.

Technology Description: Underlying technology is based on hydraulics, mechanical and electrical power, control engineering, and computational fluid dynamics. The intellectual property consists of so-far eight patents pending and one granted covering areas of phase separation, control of air and fluid pressure, blade and turbine design, relationships of turbine components, algorithms, new uses, etc. The Benkatina™ Turbine is a major breakthrough in its ability to operate under a wide range of flow rates and pressures at high efficiencies within an enclosed system. It uniquely maintains exit pressure, works over a range of pressure and flow rates, and leaves the water supply unharmed. Various types of propellers have a theoretical efficiency lower than Leviathan's tested efficiency.

Partnership Interests: I would like a company to bring this to the Japanese market. The company should ideally be an industrial company that can install pipes and electrical equipment and have good contacts with municipalities and water departments.



Leviathan Energy

Leviathan Energy

Technology Sector: Clean-Tech

Technology Subsector: Energy

Company Stage: Seed

Establishment Year: 2008

Number of employees: 3

Website: www.leviathanenergy.com

Contact Person: Dr. Daniel Farb, CEO

Email: dfarb@leviathanenergy.com

Company Description: We have a system (patented so far in the US, Japan, New Zealand, and Mexico) for obtaining energy from ocean waves at much higher efficiency than what is on the market. It is only at the patent stage, but it is based on good science and should be successful. We are looking for a Japanese partner who wants to work with us on making this work for Japan.

Technology Description: We change the paradigm of wave energy turbines and make a system that is 4-5 times more efficient than current systems and open up the market for wave energy worldwide. The potential market size is 2000 Terrawatt-hours/year or 10% of world electricity consumption. We do this mostly by two major changes in how to obtain energy from waves. Both are based on the physics of waves. So far, this invention is protected by granted patents in the US, Japan, New Zealand, and Mexico. Most current systems on the market use a bouncing buoy understanding of wave motion because they intend to take advantage of the apparent up and down motion of a wave. Wave motion is really rotational, but current systems don't take full advantage of that simple fact because they only "see" the vertical motion. We capture rotational and vertical motion simultaneously. Most of the wave is really buried beneath the surface. Other systems don't take advantage of that. The soft spot for obtaining energy from a wave is just before it breaks, when it is the highest. We create an artificial shoreline under the turbine. We increase the energy flux of the waves by manipulating the conditions. This is based on Green's Law. The expression for the wave speed in shallow water is $(gh)^{1/2}$, where h is the undisturbed water depth and g = the acceleration of gravity. The speed of the top portion of the wave will be the largest. In shallow water, the amplitude increases as $h^{-1/4}$, where h is the local water depth. This $-1/4$ law is referred to as Green's law. We apply Green's Law of the amplitude of waves: Since most of the potential for amplitude is not seen at the deep-water surface, any technique that tries to harness the vertical motion of waves by simply placing a buoy in the ocean is inefficient. We expose that amplitude for energy capture. The energy density (per unit area) of regular sinusoidal waves depends on the water density ρ , gravity acceleration g and the wave height h (which is equal to twice the amplitude, a): $E = 1/8 \rho g h^2$ The point of the above equation is that most of the energy density is "lost" when the wave is partially buried beneath the surface. We make the energy easier to capture.

Partnership Interests: I'm very open, but ideally the Japanese company should have capabilities and the ability to bring the product to market in Japan.



MobiWize Solutions Ltd.

Technology Sector: Clean-Tech

Technology Subsector: Automotive Technology

Company Stage: Initial Revenues

Establishment Year: 2011

Number of employees: 14

Annual sales: N/A

Website: <http://mobi-wize.com>

Contact Person: Gadi Hornstein, Product Marketing and BD

Email: gadi.hornstein@gmail.com

Company Description: MobiWize is an innovative company targeting automotive and fleet management system providers. Located in Israel and employing a team of highly talented individuals specialized in the fields of automotive, mapping, telematics, data mining, signal analysis, artificial intelligence and machine learning


Company's core technologies (vehicle related) contribute to:

1. Improved fuel efficiency
2. Improved safety
3. Improved vehicle health
4. Vehicle-Road-Driver BIG Data Intelligence

Technology Description: MobiWize develops a technological platform powered by crowd-source driven Horizon-Predictive BIG Data infrastructure that transforms vehicle-road-driver data into actionable intelligence. Predictive road-data intelligence including road terrain, geometry, topology and additional information layers contributes to unmatched savings in the areas of fuel economy and maintenance, increases driver safety and offers better vehicle positioning accuracy necessary for connected vehicles. MobiWize solutions targeting both, light and heavy vehicles and offered as SaaS on an add-on box, or embedded as "MobiWize Inside" module within 3rd party solutions.

MobiWize solutions:

1. Empower existing vehicle systems like adaptive cruise controls, gear boxes and engines with PREDICTIVE information about road ahead changing conditions and vehicle loads in order to make these systems more fuel-efficient.
2. Empower drivers with PREDICTIVE information about road ahead changing conditions in order to assist them develop more FUEL-EFFICIENT and SAFER driving style.
3. Improve vehicle positioning accuracy (GPS / GNSS Assistant technology) – "Must Have" for advanced connected-vehicles applications.
4. Distinguish driving inefficiency from poor vehicle performance

- 
5. Generate crowd-sourced BIG DATA and turn it into ACTIONABLE INTELLIGENCE in order to maintain better fuel efficiency, vehicle health, performance scorecards and more...
 6. Create "smarter" vehicle health monitoring solutions by developing predictive validation tools, technologies, and techniques for automated detection, diagnosis and prognosis that enable mitigation of adverse events while the vehicle is on the move.

Partnership Interests: We're looking for partners in one of these fields: Car makers and their suppliers, Fleet management solution providers, ADAS solution providers, Vehicle infotainment and telematics providers, Map providers or Navigation providers.

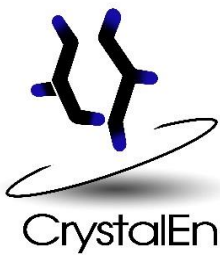
Unique contribution of MobiWize technologies:

1. Intelligently connect between road-vehicle-driver behavior and changes.
2. Continuously learn and adapt in real-time to changing road and vehicle conditions
3. Gather, analyze and implement crowd-sourced BIG Data for reference and better accuracy

By integrating MobiWize "horizon predictive" technology within our partner solutions they will be able to deliver more fuel-efficient, reliable and safer driving experience. We're looking for partners in the automotive related fields for joint R&D, technological cooperation and channeling our solutions to Japanese market.



Miscellaneous Technology Companies



CrystalEn Ltd

Technology Sector: Miscellaneous Technologies

Technology Subsector: Materials ,Industrial Technologies , Fabrication and Testing, Semiconductors

Company Stage: Seed

Establishment Year: 2015

Number of employees: 4

Annual sales: N/A

Website: Under construction

Contact Person: Ariel Popper, CEO

Email: crystalenltd@gmail.com

Company Description: CrystalEn is a start-up company, based in Israel, which developed and holds unique and state of the art technology, in the field of carbon based crystals producing and growing. Carbon based crystals are considered the future material for industrial purposes, especially for the use in the semi-conductors industry. The unique technology that was developed by CrystalEn team, enable the growth of "single crystal" carbon crystals, enable fast and controlled process, producing high quality unlimited sized, single crystals wafers, all in "green" process and no pollution procedures.

Technology Description: CrystalEn's technology fits various needs in several industrial fields, by utilizing the special characters of carbon crystals. The technology is applicable for several purposes, including:

- Conductors, semi-conductors, include photo-electric panels, LED units, energy batteries, transistors and diodes.
- High-end optical devices, include carbon based lenses, lenses coating, radiation shields etc.
- Anti-corrosion coating, stiff covers.

CrystalEn has professional and experienced crew, escorting the technology development from A to Z; Starts from technological characterization, system design, simulation, construction of components, system engineering, test-run, inspection and operational checks, and finally, marketing and business aspects.

Partnership Interests: CrystalEn is seeking R@d partner, include funding, research, and cooperating with developing accomplish to Beta step and further on.



Hudson vpd Ltd

Technology Sector: Miscellaneous Technologies

Technology Subsector: Miscellaneous

Company Stage: R&D

Establishment Year: 1997

Number of employees: 5

Annual sales: N/A

Website: www.hudson-vpd.com

Contact Person: Peleg Aharoni, CEO

Email: peleg@hudson-vpd.com

Company Description: Hudson vehicle product development is a private R&D company, developing products with OEM and aftermarket orientation. Peleg Aharoni, CEO of Hudson, is an electronic engineer with extensive knowledge in computers, mechanics, hydraulics and pneumatics systems. Mr. Aharoni served in the highest technical degree of the R&D of the Israeli air force developing guided missiles.

Technology Description: Anti-icing in Vehicles preventing the formation of ice on the windshield-no need to work hard and waste time to scrape the ice off!!! Just get into the car and drive. The present provisional US patented invention involves the automatic or semi-automatic activation of electronic unit while the car is parked outdoors with the engine off, as for example, when the car is parked on the street or in the driveway on a cold and moist winter night. In another embodiment, the system is activated and controlled by an application on the driver's cellphone. The application could also use the phone connectivity to obtain current information about local weather forecasts. In both cases, the system will prevent the formation of ice on the windshields, thereby obviating the need to scrape off the ice, saving time and hard work 24/7. The system average electronic current consumption is only 20 mA!!! Programed to operate up to 96 hours, there is almost no effect on the battery. In any case, an element which keeps track of the car's battery charge would alter and/or deactivate the system if the battery level goes below a pre-set value to ensure that the car will be able to start at any time. All the types of vehicles are a potential for the system at the OEM's and aftermarket, benzene, diesel, electric, hydrogen, private, busses, heavy equipment and trucks.

Partnership Interests: Partnerships with the OEM's. The project as described in the Technology Description section is an anti-icing system for vehicles. We expect the partner to integrate the system into their vehicles.



Kanfit Ltd.

Technology Sector: Miscellaneous Technologies, Clean-Tech

Technology Subsector: Defense and Industrial Technologies, Medical Devices, Energy

Company Stage: Revenue Growth

Establishment Year: 1986

Number of employees: 160

Annual sales: \$12 million (USD)

Website: www.kanfit.com

Contact Person: Shachar Fine, Director of Business Development

Email: shachar@kanfit.com

Company Description: Kanfit is a built-to-spec / print aerospace engineering company. Kanfit manufactures and integrates primary and detailed parts, subassemblies and ready-to-mount assemblies made from composite materials and sheet and block metals. Products include structural and critical parts such as cockpit structures, avionics and main landing gear doors, wing to belly fairings, RTM chaff and flare magazines, missile and bomb parts, airborne and space antennas, tools, jigs, fixtures, and more. Kanfit completed a three meter long radome (radar dome) prototype in autoclave for satellite communications applications for flying platforms. Kanfit is AS9100C certified, and is Nadcap accredited for composites, heat treatment and chemical processing. Kanfit is also certified by Boeing for heat treatment and chemical processing, and is an approved supplier of Israel Aerospace Industries (IAI), Israel Air Force, Israel Ministry of Defense, Elbit Systems, BAE Systems, Senior Aerospace (UK), ST Aerospace, Triumph, and other aerospace industry leaders. Projects include components for Gulfstream G280, Boeing 787, Airbus A380 and A400M, Bombardier CSeries, CRJs, Global-series, Challengers, Embraer ERJs, F15, F16, F18, F35, C17, UH-60, CH47, V-22, Eurofighter Typhoon, AgustaWestland AW1X9 and Heron, Heron TP, Hermes 450 / 900 UAVs.

Technology Description: Kanfit utilizes the latest processes for manufacturing composite components, including autoclave, advanced Resin Transfer Molding (RTM), Liquid Resin Injection (LRI), prepregs (oven & vacuum), wet lay-up and automated fiber placement. Kanfit uses raw materials such as sheet metal, block and extrusion, and various types of alloys such as steel, copper and aluminum, which undergo machining, forming, heat treatment, chemical coating, finishing, and assembly. Most recently, Kanfit added 3D additive manufacturing (AM) of titanium parts.

Partnership Interests: Kanfit is looking to develop joint ventures with engineering and R&D companies in the aerospace and medical device industries that will supply the design in order for Kanfit to prototype, engineer and manufacture the products.



NESTO ABC

Technology Sector: Miscellaneous Technologies

Technology Subsector: Industrial Technologies

Company Stage: R&D

Establishment Year: 2015

Number of employees: 5

Annual sales: N/A

Website: www.nestoabc.com

Contact Person: Avi Abadi

Email: Aviabadi11@gmail.com

Company Description: NESTO ABC offers a revolution in the existing construction methods, rethinking the way we create and design our living environment. NESTO facilitates automated robotic solutions in order to produce concrete constructions reinforced with steel, based on 3D printing, computer modeling and design. NESTO takes advantage of Automated Building Construction robotic solutions in order to 3D print the concrete in a unique technique. The technique facilitates imbedding steel in the printed structure whilst printing. Therefore, there is no need for any human intervention once the printer is set. That is one of its main advantages over existing 3D printing methods.

Technology Description: The production method uses robotic manipulator to pose the steel on site. The building skeleton (including the piping and electricity) is then approved by the supervised engineer. Then the robotic manipulator 3D prints the concrete layer by layer. The same robotic manipulator used for printing, will be also used for all of proceeding, designing and automated "finishing" tasks as posing pipes, painting, posing mosaic, paving and so on, with great capacity to integrate several elements into the construction system. With a new and advanced Side 3D Printing technique, NESTO ABC is the only technology to provide 3D printing construction under international standards, designed to sustain earthquakes. The construction is done as simple as a "Plug & Play" and on site. This new method is not limited to any size of constructions site, owing to portable manipulators. NESTO will provide different Automated Building Construction (ABC) solutions, rather than be limited to one method as in similar latest innovations.

Partnership Interests: Seed money investor with ability for global expansion. It would be best for a construction company or robotics company.



nJoin Research Ltd.

Technology Sector: Miscellaneous Technologies

Technology Subsector: Industrial Technologies

Company Stage: Initial Revenues

Website: www.n-join.com

Contact Person: Haim Piratinskiy, CEO

Email: haim@n-join.com

Company Description: n-Join operates in the field of Industrial Internet of things. Our unique technology is capable of autonomous, hands-free, analysis of a production facility, understanding its makeup and unique flow directly from machine to machine interaction within the manufacturing plant. n-Join's solutions provide contextual insights into production floor operations, allowing greater production agility, visibility and quality stability while decreasing downtime, waste & environmental signature. Already installed at several large manufacturers, n-Join aims for a wisdom of the masses approach toward production optimization on a global scale.

Technology Description: n-Join's unique combination of machine learning, natural language processing inspired algorithms and big data has never been attempted in the manufacturing industry. The 1st implementation of n-Join's technology arrives as a plug & play, on-premise appliance that connects into the networking core of a plant and listens on Machine-to-Machine communication. This plug & play appliance is capable of automated, autonomous analysis of a production plant operations, gaining an understanding of the production process as a whole and then looking at plant behavior in the context of its own unique process. Once the appliance achieves a low-level holistic view of the production processes throughout the lines, the system provides contextual actionable insights such as:

- Quality stability – process deviations discovery
- Benchmarking – performance analysis of a plant's behavior in the context of specific raw materials, maintenance cycles and human operations
- Efficiency – process bottlenecks discovery and real-time trends pointing to imminent failure
- Agility – implementing product and line changes faster

Propagation of our technology to a substantial amount of plants will enable a cloud based global statistical approach. Production lines will be compared and analyzed globally, allowing the most efficient manufacturing processes and techniques to stand out, minimizing the aggregated raw materials use and the environmental signatures of factories on a wide scale.

Partnership Interests: n-Join is looking for:

- Potential Clients – Industrial production / manufacturing
- Local Distributors, sales partners operating in the field of integration / consulting for industrial operations
- Research partners for Jointed R&D in the field of industrial internet of things and industrial big data

