



# Japanese 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 Japanese companies actively seeking partnerships in Israel. 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/](http://www.nedo.go.jp/)

[www.matimop.org.il/japan.html](http://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**



## Attvic Inc.

Technology Sector: Electronics & Semiconductors

Technology Subsector: Laser Projection

No. of Employees: Five

Capital: Nine million Japanese Yen

Website: [www.attvic.com](http://www.attvic.com)

Contact Person: Mr. Senri Yamamoto, CEO

Email: [senri@attvic.com](mailto:senri@attvic.com)

Company Description: Attvic develops unique laser projection units based on own leading-edge technology.

Technology Description: Small, accurate & efficient full-color laser projection units offer the brand-new vision for the automotive industry, mobile phone industry, medical services, etc.

Partnership Interests: Developer of the MEMS mirror to design the visual control circuit and software.



# GENUSION

GENUSION, Inc.

Technology Sector: Non-volatile Semiconductor Memory Technology

Technology Subsector: Proprietary B4-Flash Memory products, IPs and its application products which is suitable for information security markets

No. of Employees: 30 employees

Capital: JPY1,593 million

Website: [http://www.genusion.co.jp/index\\_e.html](http://www.genusion.co.jp/index_e.html)

Contact Person: Natsuo Ajika

Email: [ajika.natsuo@genusion.co.jp](mailto:ajika.natsuo@genusion.co.jp)

Company Description: GENUSION is proprietary non-volatile memory “B4-Flash” products, its application products (high security file memory) and non-volatile memory IPs provider

Technology Description: GENUSION’s proprietary technology “B4-Flash” technology is a kind of next generation NOR type flash memory with higher performance, highest reliability and high density properties. B4-Flash memory can achieve high security data storage products “CE-File Memory (Completely Erasable File Memory)” and “Safe Erase Memory”. B4-Flash can also achieve high performance (lowest random read latency) SSD for top tier applications.

Partnership Interests: GENUSION would like business partners of B4-Flash and high security file memory users, distributors and high end SSD developing companies.



## I.T.O. Inc.

Technology Sector: Industrial Optical Metrology

Technology Subsector: Semiconductor/FPD/Functional Films

No. of Employees: 3

Capital: 10,000,000JPY

Website: [http://www.itoz.co.jp/EnglishSite/index\\_english.html](http://www.itoz.co.jp/EnglishSite/index_english.html)

Contact Person: Haruna Toyota, CEO

Email: [Info@itoz.co.jp](mailto:Info@itoz.co.jp)

Company Description: Established in May 2008, I.T.O is an R&D led technology company specialized in optical measurement and test engineering. We provide solutions for the application development and system integration related to optical inspection technology, mainly targeting advanced electronics fields such as semiconductor devices, FPD and functional materials. We are best at customized designs, corresponding to our customer's specific, detailed system requirements.

Technology Description: Manufacturing technology for industrial inspection and measuring instruments is a field that requires developers with a high level of system integration ability and practical professional experience. Our veteran engineers have more than 40 years of experience in the development of various customized measurement systems. With the well-versed background in optical metrology, we provide optimal solutions for optical measurement to our customers while focusing on contract research and development related to our technical expertise.

Partnership Interests: We are seeking a business partner who would take interest in co-development & co-commercialization of an 3D measuring equipment for the next-generation bumps in which we've been engaged since the time of founding.





THE NEW VALUE FRONTIER



## KYOCERA Corporation

Technology Sector: ICT, Environment & Energy, Automotive, Medical & Healthcare, Electronic Devices & Materials, etc.

Technology Subsector: Mobile Communications such as IoT and M2M, Energy Solutions Including Power Generation, Storage and Energy Management Systems; Mobile Healthcare

No. of Employees: 68,185 (as of March 31, 2015)

Capital: 115,703 million yen

Website: <http://global.kyocera.com/>

Contact Person: Ms. Chisa Aoyama

Email: [chisa.aoyama.hs@kyocera.jp](mailto:chisa.aoyama.hs@kyocera.jp)

Company Description: Kyocera Corporation (NYSE:KYO)(TOKYO:6971), the parent and global headquarters of the Kyocera Group, was founded in 1959 as a producer of fine ceramics (also known as “advanced ceramics”). By combining these engineered materials with metals and integrating them with other technologies, Kyocera has become a leading supplier of solar power generating systems, mobile phones, printers, copiers, electronic components, semiconductor packages, industrial cutting tools and industrial ceramics. During the year ended March 31, 2015, the company’s net sales totaled 1.53 trillion yen (approx. USD12.7 billion). Kyocera appears on the latest listing of the “Top 100 Global Innovators” by Thomson Reuters, and is ranked #552 on Forbes magazine’s 2015 “Global 2000” listing of the world’s largest publicly traded companies.

Technology Description: Kyocera is expanding its business from materials and components to devices, equipment, systems and services – with a particular focus on the four principle markets of ICT, environment & energy, automotive, and medical & healthcare.

Partnership Interests: We are especially interested in collaborating on technology related to sensors, mobile communications, energy and software. However, we are open to examining possible partnerships regarding particularly ingenious technologies in other fields as well.



## NEC Corporation

Technology Sector: ICT

Technology Subsector: IT services and network solution

No. of Employees: 100,914 (as of March 31, 2014)

Capital: US\$3.8 billion (as of March 31, 2014)

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

Contact Person: Mitch Chihara

Email: [m-chihara@ah.jp.nec.com](mailto:m-chihara@ah.jp.nec.com)

**Company Description:** NEC Corporation is a Japanese multinational provider of information technology (IT) services and products, with its headquarters in Minato, Tokyo, Japan. NEC provides information technology (IT) and network solutions to business enterprises, communications services providers and to government agencies. With its focus on Solutions for Society, NEC's goal is to lead the advancement of the world's social infrastructure by leveraging ICT and new business models. Our Solutions for Society activities will become the pillars of NEC over the company's next 100 years.

### Technology Description:

**Public Business:** NEC provides safe, secure and efficient social solutions for domestic and foreign governments, governmental agencies, public institutions, financial institutions and other organizations by combining its distinctive technology assets, including networking and sensing technologies, with broad systems integration expertise and customer assets.

**Enterprise Business:** NEC provides IT solutions to meet private-sector demand, centering on manufacturing and retail/services, while launching new services to help create new value for customers. We intend to accelerate development in retail distribution infrastructure in particular, both in Japan and overseas, as it will be a growth field going forward.

**Telecom Carrier Business:** NEC supplies equipment required for network implementation to telecom carriers, along with network control platform systems and operating services. NEC's wealth of experience in large-scale network implementation and strong technical capabilities contribute to the development of highly reliable communications networks.

**System Platform Business:** NEC provides products for business, ranging from mobile terminals to



network equipment, computer equipment, software products and service platforms, and solutions and services based on them. NEC's solution platforms, which organically fuse these products and solutions and services, reduce labor and improve efficiency in customers' businesses, and at the same time, create new value based on ICT.

Partnership Interests:

NEC is searching for technology partners in the areas of:

- Cyber security
- Control system security
- IoT security
- Authentication technology in Web applications
- Cyber intelligence generation technology
- Cyber-attack analysis technology
- Biometrics identification technology



# Panasonic

Panasonic Corporation

Technology Sector: Electronics

Technology Subsector: Appliances, Eco Solutions, AVC Networks, and Automotive & Industrial Systems

No. of Employees: 262,952

Capital: 258.7 billion yen

Website: <http://panasonic.net/>

Contact Person: Takehisa Tanaka

Email: [tanaka.takehisa@jp.panasonic.com](mailto:tanaka.takehisa@jp.panasonic.com)

**Company Description:** Panasonic Corporation is one of the largest electronic product manufacturers in the world. It manufactures and markets a wide range of products including home electronics, car electronics, house and housing equipment, business system and public infrastructure under the Panasonic brand to enhance and enrich lifestyles all around the globe.

**Technology Description:** Panasonic owns and investigates wide-ranging technologies related to not only current businesses such as home appliances, housing, AV security, electronic devices and components, car electronics and batteries, but also new businesses including water, air, hydrogen, agriculture, wellness/healthcare, and barrier free.

**Partnership Interests:** Panasonic shifts its focus from digital consumer business to broad solutions to engineer a better world to each customer by working with industrial partners. We look for start-ups which have unique technologies and business models creating new markets/products as well as the established industrial partners.



## RICOH

Technology Sector: IT & Enterprise Software, Life Sciences

Technology Subsector: Life Sciences – Industrial, IT & Enterprise Software – Business Analytics

No. of Employees: 110,000

Capital: 135.3 billion yen (as of March 31, 2015)

Website: [www.ricoh.com](http://www.ricoh.com)

Contact Person: Mr. Shoichiro Sakai for Israeli relations

Email: [shohichiroh.sakai@jp.ricoh.com](mailto:shohichiroh.sakai@jp.ricoh.com)

Company Description: The RICOH group provides an array of image processing equipment and other products and services in keeping with its customer-centric focus on creating value. Our lineup includes digital multifunction printers (MFPs), printers, laser printers, facsimile machines, production printers and systems, projection systems, digital duplicators and other equipment and related consumables, services and software. We also supply cloud services and network applications, as well as digital cameras, thermal media, PC unit products, and semiconductor devices.

Technology Description: Ricoh's core technologies include:

1. Precision Mechatronics
2. Optoelectronics
3. Electrophotographic process technology
4. Chemical and Material technology for printing

Partnership Interests: innovative technologies that can help solve the following technological challenges:

- RICOH's roadmap products.
  - Advanced Optic Technology
  - Fusion technologies of optics & computing, which enable to create new added



- value to a future product
- Route-Searching Algorithm  
Algorithm for optimization of routing. Target business area will be Logistics and Warehouse business. Algorithm for Autonomous-Travelling is also of interest
- Cooling Solutions  
Technologies that can dramatically enhance ability of heat-absorption, heat-conduction and heat-radiation, and that such technology has to be incorporated in smaller mechanical size than ever. The objective “heat” is coming out of embedded devices in electric appliances. Higher efficiency of heat-radiation and heat-exchange is required.
- RICOH’s Unified communication System (UCS) <https://www.ricoh.co.jp/ucs/>
  - Real-time network monitoring, providing accurate bandwidth estimation thus enabling increased reliability of the UCS platform
  - Real-time network monitoring, enabling the detection of a broken connection and identify the causes, as well as technology for forecasting of potential network disconnection.
- RICOH’s Interactive whiteboard (IWB) products -<https://www.ricoh.co.jp/iwb/d6510/>
  - Send & receive technology that specializes in handwriting. Fast, narrow-band, still image transfer, which can be either a proprietary technology, or general purpose technology
  - OCR Technology for the Japanese language which does not require that each character will be written inside a frame/line
  - Handwriting recognition technology which can detect shapes, characters, lines and figures without having to change operation modes



# Life Sciences Companies



# CDI Medical, Incorporated

CDI Medical, Inc.

Technology Sector: Medical Device, Pharmaceuticals

Technology Subsector: Medical Device, Pharmaceuticals, Biotechnology, Digital health

No. of Employees: 10

Capital: 20M Yen

Website: <http://www.cdi-japan.co.jp/english/>

Contact Person: Takatomo Ajima

Email: [ajima@cdi-japan.co.jp](mailto:ajima@cdi-japan.co.jp)

Company Description: CDI Medical, Inc. is a consulting company focusing on medical technologies and business based in Japan. We provide services of marketing, R&D, M&A and investment for our clients, i.e. middle to large Japanese technology companies.

Technology Description: Our consultants draw upon years of direct, front-line experience in medical and healthcare industries with players including universities, public/private hospitals, pharmaceutical companies, medical device manufacturers, financial institutions, ICT providers, governmental agencies, etc.

Partnership Interests: We expect Israeli partners to give a sources of highly-skilled R&D and business staffs including researchers, engineers etc., and technology/product itself in collaboration with our clients.





Hitachi Maxell, Ltd.

Technology Sector: Healthcare, Electronics, ICT, System

Technology Subsector: Healthcare monitoring, 3D printing, Automotive electronics devices, Social infrastructure

No. of Employees: 4,053

Capital: ¥12,203 million (\$102 million)

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

Contact Person: Dr. Satoshi Matsunuma, Senior Manager

Email: [satoshi-matsunuma@maxell.co.jp](mailto:satoshi-matsunuma@maxell.co.jp)

Company Description: Since its founding in 1960, Hitachi Maxell has pursued a policy of providing top-quality products to customers under the Maxell brand, delivering a host of products to customers around the world. We are developing our business on a global basis, providing distinctive products in the Energy, Industrial Materials, and Electronic Appliance and Consumer Product segments.

Technology Description: Hitachi Maxell supplies several components, parts, and devices for automotive industry, social infrastructure, healthcare, beauty, and medical fields. For example, we provide small, light-weight lens units that offer high resolution and employ aspherical plastic lenses for monitoring the vehicle's surroundings and surveillance. Also, we started "Hada more" Smartphone Skin Check Service by using of a unique lens system. We are very much looking forward to collaboration with leading Israeli companies.

Partnership Interests: We are looking for partners who have capability to provide core technologies and services as described below.

Healthcare devices and services, Telediagnosis, Wireless sensing system, Millimeter wave radar, Integrated visual and radar control system, ADAS (Advanced Driving Assistance System) related devices, 3D printing process and materials (especially, for optical components).



## HOYA CORPORATION

Technology Sector: Optics, Medical-appliance

Technology Subsector: Optical glass, aspherical lens, lens-unit, medical-appliance

No. of Employees: 34,635 employees

Capital: 6,264,201,967 yen

Website: <http://www.hoya.co.jp/english/index.html>

Contact Person: Hiroshi Irie

Email: [hiroshi.irie@hoya.com](mailto:hiroshi.irie@hoya.com)

Company Description: HOYA Corporation (7741:Tokyo) is a diversified, multinational company and leading supplier of innovative and indispensable high-tech and healthcare products. HOYA is active in two main business segments: The Life Care segment encompasses health care areas such as eyeglass lenses and the operation of contact lens retail stores, as well as medical related areas such as intraocular lenses for cataract surgery, medical endoscopes, surgical equipment and artificial bones and implants. HOYA's Information Technology segment focuses on electronics products for the semiconductor industry and LCD panels, glass disks for HDDs and optical lenses for digital cameras and smartphones. The HOYA Group comprises over 100 subsidiaries and affiliates and over 34,000 people worldwide

Partnership Interests: New technology, and New manufacturing/making method



# **IMTEX** **medical**

Intex Medical

Technology Sector: Medical Device

Technology Subsector: Intervention technologies

No. of Employees: 3

Capital: JPY 3mi.

Website: [imtex-medical.com](http://imtex-medical.com)

Contact Person: Yoshi Asaka

Email: [yoshi@imtex.jp](mailto:yoshi@imtex.jp)

Company Description: Importer / Technical consulting

Technology Description: Stent, catheter and materials

Partnership Interests: Introduction for one-and-only technology.



MEDRx Co.,Ltd.

Technology Sector: Life Sciences

Technology Subsector: Therapeutics

No. of Employees: 26

Capital: JPY4.56 billion

Website: <http://www.medrx.co.jp/english/index.html>

Contact Person: Yonehiro Matsumura, Senior Managing Director

Email: [info@medrx.co.jp](mailto:info@medrx.co.jp)

Company Description: MEDRx is the world's first pharmaceutical company capitalizing on ionic liquid technology to develop novel / unique transdermal medicines (e.g., ETOREAT®). Since February 2013, MEDRx has been successfully listed on the Mothers (market of the high-growth and emerging stocks) of the Tokyo Stock Exchange.

Technology Description: Ionic liquid (IL) represents salts which keep liquid form under the temperature of 100°C or less. IL has generally various features, such as lower melting point, highly-ionic conductivity and high polarity, etc. The applications of IL include solar panels, batteries and fuel cells, etc. MEDRx has accomplished dramatically increased absorbability of various APIs by capitalizing on ionic liquid technology. Our core technology, ILTS®, allows compounds with weak absorbability and/or low solubility to be available as transdermal preparations by means of increasing their solubility and absorbability dramatically. Through capitalizing on our inventive transdermal drug delivery technology, it is possible to create novel value-added medicines (maximized beneficial effects and lower side effects).

Partnership Interests: We are seeking overseas counterparts who are willing to in-license the ILTS® technology and/or to collaborate in developing a novel transdermal formulation with your candidate API. We are also seeking overseas partners who are willing to in-license MRX-7LAT (lidocaine transdermal patch, preclinical) and MRX-1OXT (oxycodone transdermal patch, preclinical), and collaborate with us to launch the clinical studies.



Metaboscreen Co., Ltd.

Technology Sector: Life Science

Technology Subsector: Medical Devices, Diagnostics

No. of Employees: 4 employees

Capital: 33,080,000JPY

Website: <http://www.metaboscreen.co.jp/>

Contact Person: Dr. Ryuichi Sekizawa, Founder & CEO

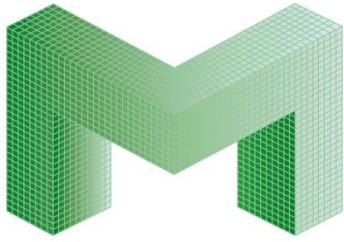
Email: [sekryu@metaboscreen.co.jp](mailto:sekryu@metaboscreen.co.jp)

Company Description: Metaboscreen is established in 2005 and involved in the research and development of medical devices. The unique qualification of Metaboscreen is originally developed micro-chemical chip called CAs-CHIP, which could be adapted to POCT (i.e. Point of Care Technology). As this proprietary technology enables quick gene amplification, it is useful for on-site determination of pathogens in infectious disease. Metaboscreen is developing this novel POCT device to apply for screening pneumonia pathogens, to help the immediate selection of effective antibiotics for the patients.

Technology Description: CAs-CHIP (Capillary-assembled micro-chip) is one of the micro-chemical chips which has 8 capillaries in its circle shape. Each capillary has only 50-nL cavity and the common diagnostic reaction such as PCR or ELISA has been demonstrated in the capillaries. As an advantage of CAs-CHIP, it could lead the diagnosis to low invasive because the one drop of sample, such as blood, is enough for 8 tests. Another advantage of CAs-CHIP is the micro-chemical effects that contribute to the quick reaction required for POCT. Actually, gene amplification by PCR could be performed within several minutes and the one-step ELISA, under development, should be finished within a few minutes.

Partnership Interests: Metaboscreen is looking for the R&D partner who could establish the POCT device based on CAs-CHIP in Israel. The field is as follows.

- Pneumonia is the main target and related infectious diseases could be covered.
- SNPs for drug metabolism could be analyzed by CAs-CHIP. Seeking applicant drugs and researchers.
- POCT for emerging virus such as Ebola, SARS/MERS and Flu.
- Other applications could be acceptable if it should take advantage of POCT.



## MUSCLE CORPORATION

### MUSCLE CORPORATION

Technology Sector: Motion Control based on original Integrated AC Servo System and Robotics

Technology Subsector: Robot Technology (Nursing-care & Rehabilitation Robot)

No. of Employees: 42

Capital: 11,100,000JPY

Website: [www.musclecorp.com](http://www.musclecorp.com)

Contact Person: Tomoko Kitajima

Email: [kitajima@musclecorp.com](mailto:kitajima@musclecorp.com)

Company Description: "A company that specializes in thinking and selling". We think this is the ideal business model for Muscle. We are consistently engaged in making a product concept, designing a product and the sales of the product. However we outsource the field including a production division that high engineering and high quality assurance can be obtained in other companies. For the requirement of various abilities, we specialize in what we are best at, making us able to speed up the development, to differentiate ourselves from the competitors and to increase our efficiency. This is the business style as a maker that competes on its own branded products. We take pride in our ideas and knowledge, and we would like to continue the tension-filled work that enables us to get direct results from the markets.

Technology Description: We provide a total solution for a system of industrial machines and equipments. We specialize in motion control for servo motors and linear motors. We have successfully created a product based on a stepping motor that achieves high performance with unprecedented cost. Moreover, by integrating various types of original controllers, our products have been used in a variety of machines including industrial embroidery machines, medical equipments such as ventilators, semiconductor/HDD production machines, and inspection machines. Therefore we have obtained a good reputation as a unique control specialist.

The "YUME ROBO" that was caught on at Japan Industry Pavilion at Shanghai Expo 2010. The robots were developed by 15 small to mid-sized companies in Osaka and Muscle played a central role in the project. Muscle took this occasion to switch to a Robot manufacture (Nursing-care & Rehabilitation Robot) and is making efforts on the contribution to Japanese Robot Industry.



Partnership Interests: Muscle is much interested in Israeli high technology, such as sensing technology, medical equipment and robot technology. Here in Japan, we have high quality production technology. Muscle expects that the collaboration between our technology and yours can create some unique, beautiful and No.1 in the world product.



# NAGASHIMA

NAGASHIMA MEDICAL INSTRUMENTS CO., LTD.

Nagashima Medical Instruments Co., Ltd.

Technology Sector: Life Sciences

Technology Subsector: Manufacturer and Sales of the Medical Devices and Instruments for ENT (Ear- Nose- Throat; Otorhinolaryngology)

No. of Employees: 87

Capital: JPY11,642,000 (Book Value)

Website: <http://www.nagashima-medical.co.jp/>

Contact Person: Suguru Saito

Email: [su-saito@nagashima-medical.co.jp](mailto:su-saito@nagashima-medical.co.jp)

Company Description: Our Company has 105 years longest history and legacy in Japan and has maintained business and R&D assistance relationships with almost all of the Japanese University Hospitals.

Technology Description:

Please refer to: <http://www.nagashima-medical.co.jp/>

Partnership Interests: Our Company wants to sell the medical devices and/or instruments which Israel Company provides us with highly competitive in the world market. At the same time, we look for the Israel distributor who can sell our products.





## Orchester Inc./ Ai Clinic

Technology Sector: Medical device /Cancer clinic

Technology Subsector: Surgical microscope /Cancer treatment & diagnosis

No. of Employees: 40 employees

Capital: 25,000,000JPY

Website: <http://www.orchester.co.jp/en/>

Contact Person: Dr. Midori Meshitsuka

Email: [mimiemeral@orchester.co.jp](mailto:mimiemeral@orchester.co.jp)

Company Description: Orchester manages Ai Clinic, the cancer specialized treatment center in Tokyo. Ai Clinic aims to treat each patient with custom-made cancer treatment which combines among genetic treatment, immuno-treatment, and molecular-target treatment. Orchester also acts as the trading firm between Japan and China and provides customer various services such as conducting the market research, finding the buyers, obtaining FDA, and negotiating with partners etc.

Partnership Interests: We are looking for companies with new cancer treatment method, new cancer diagnosis method, or new cancer drugs to conduct clinical trials together. For the surgical microscope, we are currently looking for companies which can provide the navigation system.



# SIP

Strategic Investment Partners Inc.

Technology Sector: ICT, Life tech, Healthcare, General

Technology Subsector: Internet, Life science

No. of Employees: 5 people

Capital: 90 million yen

Website: <http://en.sip-vc.com/>

Contact Person: Shigeki SAITOH

Email: [info@sip-vc.com](mailto:info@sip-vc.com)

Company Description: SIP as an independent VC company specializes in business strategies and has hands-on capabilities. Our policy is to invest in venture companies in the early stage, especially the ones which would like to expand outside of Japanese market. The investment team consists of entrepreneur turned venture capitalists, in hybrid nationalities. Also, SIP covers not only early stage venture companies, but also listed venture in microcap zone target the second growth stage expansion with Asia, and US markets.

Technology Description: High tech early Stage hands-on VC Firm

Partnership Interests: Joint Investment team up investing into Japan high-tech Startups.



# Clean-Tech Companies



## JTOP Co., Ltd.

Technology Sector: Water treatment

Technology Subsector: Activated carbon regeneration

No. of Employees: 12 people

Capital: 60,302,500JPY

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

Contact Person: JIICHI NAKAKI

Email: [info@jtops.com](mailto:info@jtops.com)

Company Description:

President: JIICHI NAKAKI

Address: 4-5-44 Migata-cho, Izumi-city, Osaka 594-0042, Japan

TEL: +81-725-51-3860 FAX: +81-725-51-3861

E-mail : [info@jtops.com](mailto:info@jtops.com) URL : <http://www.jtops.com>

Founding: Jan.29<sup>th</sup> ,2003

Capital: 60,302,500 JPY

Reserve: 45,302,500 JPY

Employees: 12 people

Business: Manufacturing and Selling of Environmental Machinery, Engineering and Consulting of Environmental Problems

Corporate Bonds: Future Venture Capital Co., Ltd; Mitsubishi UFJ Capital Co., Ltd.; Kinken Build Maintenance Co., Ltd

Credentials: Energy Monitoring Control Manager; Water and Air Pollution Control Manager (type I); Other Environmental Credentials

Main Dealing Company : Kinken Build Maintenance Co., Ltd; Hitachi Plant Technologies Co., Ltd. Toyoda Gosei Co., Ltd.; Toyobo Co., Ltd.; TOTO LTD.; UNITIKA LTD.; Kyowa Medex Co.,Ltd. Sumitomo Riko Co.,Ltd.; Nihon Clean Co.,Ltd

Product: Large scale waste water treatment device, Waste water recycling system, On-vehicle water-self-sufficient device, Middle scale waste water treatment system, Scrubber drainage treatment system, Exhaust gas treatment device, River water purification equipment in time of disaster Mizu-jyokakun, etc.



Technology Description: JTop Co., Ltd., conceptualizes, designs, and manufactures environmental cleanup systems that use activated carbon.

On-vehicle or mobile automatic activated carbon regeneration system” holds regenerable special activated carbon, which our company developed, and it adsorbs organic substances contained in wastewater or in exhaust gas.

The organic substances adsorbed to the activated carbon is pyrolyzed, evaporated and removed by superheated steam at about 400°C or more. Thus the activated carbon is regenerated automatically without taking out from the inside of the equipment.

Because this technology carries out activation and regeneration by low-temperature steam irradiation, weight loss and performance degradation of the activated carbon are almost zero after regeneration. This technology results in weight loss less than 0.1% and performance degradation less than 1%, while the former more than 30% and the latter more than 20% respectively by conventional method. Therefore, it can be said both almost ZERO.

By having developed highly efficient activated carbon regeneration and low running cost system, our equipment is recommended to be applied for wastewater purifying treatment or exhaust gas deodorizing processing.

We have participated in the Japanese national project researching for reuse of wastewater accompanied at the time of oil drilling.

(1) Activated carbon can be automatically regenerated without exchange, so no cost is required for purchasing activated carbon, waste disposal and manpower removing the waste.

(2) Jtop system is very compact (less than 1/10 space comparing with conventional), so it can be loaded on a light lorry (truck) namely mobile, and installation work is unnecessary.

(3) In the case of organic wastewater treatment, no sludge is produced.

Partnership Interests:

We are looking for a partner who can market and sell our products in Israel.

We also are looking manufacturing partners.



# Miscellaneous Technology Companies



Lotus Alloy Co., Ltd.

Technology Sector: Materials Manufacturing

Technology Subsector: Fabrication of porous metals and its application to structural and functional materials

No. of Employees: Nine employees

Capital: 20,000,000 Japanese yen

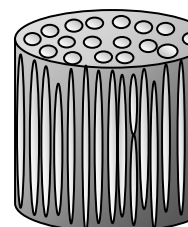
Website: <http://www.lotus-alloy.jp>

Contact Person: (CEO) Dr. Hideo Nakajima

Email: [nakajima@lotus-alloy.jp](mailto:nakajima@lotus-alloy.jp)

Company Description: Lotus Alloy Co., Ltd. is a company to supply various manufacturing products to be used as light-weight structural and functional materials utilizing porous metals. Our company possesses unique fabrication techniques to produce porous metals with directional cylindrical pores (lotus metals). These materials can be used as environment-friendly materials, biomaterials, energy-saving materials, light-weight materials, etc. towards various industrial products. Our company includes the following business: (1)Research and development of fabrication and application of lotus metals, (2)design and sales of lotus metals and the fabrication apparatus, (3)investigation and consulting of applicability of lotus metals to industrial products, and (4)Maintenance and practical use of our patents of fabrication and application of lotus metals.

Technology Description: Lotus metals are fabricated by pore formation of insoluble gas when the molten metal dissolving gas is solidified during unidirectional solidification. Our group discovered that this metals exhibit three peculiar features; (1) specific strength per unit volume of lotus metals is the same as that of non-porous metals, exhibiting sufficient strength, (2) lotus metals exhibit the most superior shock absorbing property among existing available materials, and (3) lotus metals with straight macro-pores shows the highest performance of heat sinks in electronic devices. Our company also developed mass-production techniques to fabricate large sized lotus metal ingots,



Lotus metal



aiming to low cost. Lotus Alloy Co.,Ltd. intends to commercialize high-performance products of crash boxes and body for cars and high-speed trains, light-weight electronic portables, vibration absorbers of bridges and buildings, bulletproofing for army and heat sinks for hybrid cars, electric cars and computers.

Partnership Interests: We are looking for business partners to expand manufacturing products using lotus metals to wider market areas such as car, transportation, electronic portables, infrastructure construction, heat sinks, army, etc. in Israel and to commercialize those products in collaboration with Israel companies, including research and development.





## Mupid Co., LTD

Technology Sector: BIO

Technology Subsector: Electrophoresis System Producer.

No. of Employees: 100 people

Capital: Yen 20,000,000

Website: [www.mupid.com](http://www.mupid.com)

Contact Person: Tamio Sakai

Email: [t-sakai@mupid.com](mailto:t-sakai@mupid.com)

Company Description: Produce Electrophoresis apparatus.

Technology Description: Submarine type

Partnership Interests: Looking for the agent who can handle our products in Israel.



Outstanding Technology Co., Ltd.

Technology Sector: Miscellaneous Technology

Technology Subsector: LED visible light communications

No. of Employees: 10

Capital: 1.14M US\$

Website: <http://www.ot-c.co.jp/>

Contact Person: Toru Kamisaki

Email: [t\\_kamisaki@ot-c.co.jp](mailto:t_kamisaki@ot-c.co.jp)

Company Description:

(VLC) Visible Light Communication technology Business.

- VLC Systems products development & sales

- Device & Module sales

Technology Description:

VLC is a next generation technology that solves the associated with radio waves for “Spectrum Crunch”, “Location based services & Security”, “EMI free” and “Communication in Narrow Spaces”. And only one methodology for under water communication.

Partnership Interests:

IT developments for medical system and social-infrastructure

Improvements by EMI free VLC. Also aerospace or under water

Communication system developments by VLC.



## Spiber Inc.

Technology Sector: Materials

Technology Subsector: Synthetic Protein Fibers and Biomaterials

No. of Employees: 71

Capital: 2.05533 billion yen

Website: <http://www.spiber.jp/en/>

Contact Person: Kenji Higashi

Email: [info@spiber.jp](mailto:info@spiber.jp)

Company Description: Spiber is a startup developing innovative protein based materials such as synthetic spider silk fibers, films, gels, powders and composites. The company has developed the worlds only scalable production system for synthetic spider silk, which has remarkable physical properties including toughness ( $J/m^3$ ) that greatly exceeds that of conventional fibers used for industrial purposes.

Technology Description: Spiber is developing a proprietary production process, which includes gene design and large-scale high-throughput DNA synthesis technologies, fermentation process technologies for protein production, fiber spinning technologies, and compounding technologies for application development.

Partnership Interests: Spiber is searching for strategic business partners to collaborate in development of various applications of its protein based materials, including protein based bio-absorbable medical devices for remodeling.



# Others



## Akasaka International Law, Patent and Accounting Office

Technology Sector: Business Law

Technology Subsector: Commercial transactions, Intellectual Property, Corporate Law, Investment Law

No. of Employees: 7

Website: [http://ailaw.co.jp/en/home\\_en/](http://ailaw.co.jp/en/home_en/)

Contact Person: Shinji Sumida

Email: [ailaw-info@ailaw.co.jp](mailto:ailaw-info@ailaw.co.jp)

Company Description: We at AKASAKA INTERNATIONAL LAW, PATENT & ACCOUNTING OFFICE are committed to the highest standard of professional excellence in providing a complete package of legal, financial management and accounting services to our clients. The firm, established in 1984, consists of two Japanese attorneys, a French jurist and a common law jurisdiction attorney. As a team, we have successfully established a fine international and domestic practice centered on international commercial transactions, specializing in transactions with the United States, France and other English and French-speaking countries. More recently, we have begun exploring options for assisting Japanese clients interested in investing in Israel and Africa. In addition to this, we have broad experience and have developed expertise in a number of areas including corporate law (including business establishment), litigation and arbitration, industrial and intellectual property rights, contract law, real estate and bankruptcy law.

Partnership Interests: After considering the circumstances in the Silicon Valley and Israel, we believe that start-up innovation derives from a good start-up ecosystem. In Japan, we also need to establish the culture of risk-taking and a sense of challenge towards new and difficult things, in order to establish a more solid ecosystem. Israel provides many clues with regards to how to bridge Japanese technology to new future technology. There are so many differences between Japan and Israel that collaboration between the two countries could lead to innovation spreading throughout the world. However, this difference might also be a weak point and cause problems, so we are aware that sometimes professionals shall work as facilitators to support such an ecosystem. If Israeli companies desire to make contacts in Japan, we are able to assist in making various arrangements to bridge your company to Japanese companies and other contacts.



## Kyoto Research Park Corp.

Technology Sector: Research Park Management, Venture Incubation, Convention

Technology Subsector: The innovation hub of Kyoto region

No. of Employees: 80

Capital: 100 million yen

Website: <http://www.krp.co.jp/english/>

Contact Person: Mari Tabata

Email: [saisei-s@krp.co.jp](mailto:saisei-s@krp.co.jp)

Company Description: Kyoto Research Park (KRP) is the only private owned/operated Research Park in Japan. There are 350 tenant companies in the park. Pharmaceutical companies such as Astellas Pharma, Maruho and Towa Pharmaceutical have set up their R&D center at KRP. As the innovation hub of the region, KRP provides safe & comfortable business/research environment as well as new business creation support for more than 25 years.

Technology Description: There are many functions to accelerate your business at KRP:

- Accumulation of municipal support institutions to provide management, technological, financial support
- Open labs equipped state-of-art analytic instruments to support your R&D activities
- Liaison activities connecting high skilled manufacturers to life science field]

Partnership Interests: KRP is an ideal place to set up your business and R&D base in Japan! Through KRP, you can have access to:

- Lab spaces in the city center (10 min. to Kyoto Station, 2.5h to Tokyo)
- Supporting Institutions and open labs at KRP
- Networking possibilities with 350 tenant companies and many more in the region

Kyoto, hometown of KRP, can offer you:

- Over 40 universities in the prefecture including Kyoto University
- Many global company headquarters like Shimadzu, OMRON, and Kyocera
- Excitement of living with rich culture and nature as the ancient capital of Japan

We hope to be your accelerator of your innovation!



**TEL VENTURE CAPITAL, INC.**

TEL Venture Capital, Inc.

Technology Sector: Clean-Tech, IT, Life Sciences, Semiconductors

No. of Employees: 13

Website: [http://www.tel.com/about/tel\\_vc/overview.html](http://www.tel.com/about/tel_vc/overview.html)

Contact Person: Jacques Berg, Head of TEL VC European Activities

Email: [jacques.berg@europe.tel.com](mailto:jacques.berg@europe.tel.com)

Company Description:

We support fundamental innovations in Areas outside of our traditional industry segment. TEL VC strives to leverage the capabilities of our parent company Tokyo Electron (TEL) — the market-leading semiconductor & FPD production equipment manufacturer — to enable the growth of other foundational technologies — from thin film transistors to nanotechnology. Our approach reflects our understanding of the limitations of both traditional corporate and financial venture capital models. We seek new ways to use our unique resources to transform ideas, talents and technologies into great companies.

We consider our investment companies to be partners and we support their activities to secure future success. The TEL VC team brings global business experience, the deepest technical resources and, most importantly, a collaborative approach.

An investment by TEL VC provides the endorsement of a market leader, with worldwide sales and distribution channels that reach the leading electronics, display and chip companies. TEL's research and development, engineering, and manufacturing assets also may be leveraged to your benefit in many ways — from a joint partnership to a customer relationship.

Technology Description:

We are seeking investments/partnerships/Collaborations in the following fields:

- Semiconductor (Equipment/Hardware/Materials/Software Devices (Priority Area))
- Flexible and Advanced Display (Priority Area)
- Photonics
- Other Si Fabrication in Life science ; Security & Safety; Energy Harvesting ; Thin Film Battery
- Printable Electronics (Equipment & Materials; Reverse Offset printing)
- Life Science/Health Care: iPS / Stem Cell culture/Differentiation & Companion Diagnostics (CoDx), Pharmacogenomics (PGx)
- Renewable Energy: Hydrogen Energy (Storage/Generation )





