



רשות החדשנות  
Israel Innovation  
Authority



International  
Collaborations

## Israel Renewable Energy Delegation

Denver, Colorado, 26<sup>th</sup>-27<sup>th</sup> April, 2017

Government of Israel






Economic Mission  
to the West Coast

BIRD

Israel-U.S.  
Binational Industrial Research  
and Development Foundation



Ministry of National Infrastructure,  
Energy and Water Resources  
[www.energy.gov.il](http://www.energy.gov.il)

Company	Description
 <p>SCADA Cyber Alert Systems</p>	<p><b>SIGA - SCADA Cyber Alert Systems</b> is an Israeli company that develops and markets cyber security solutions for Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems used in critical infrastructures and industrial processes. Their proprietary device-based solution provides virtually infallible and uncircumventable early warning in the event of an anomaly – whether caused by a cyber-attack or a system malfunction.</p> <p><a href="http://www.sigasec.com">http://www.sigasec.com</a></p>
	<p><b>Claroty</b> is a cyber security company. Claroty discovers the most granular OT network elements, extracts the critical information, and distills it into actionable insights needed to secure and optimize complex industrial control environments. Claroty enables engineers, operators, and cyber security professionals to protect and optimize even the most complex OT networks with a single holistic platform.</p> <p><a href="http://www.claroty.com">www.claroty.com</a></p>
	<p><b>ICS2</b> is an international nonprofit membership association focused on inspiring a safe and secure cyber world. Best known for the acclaimed Certified Information Systems Security Professional (CISSP) certification, (ISC)<sup>2</sup> offers a portfolio of credentials that are part of a holistic, programmatic approach to security.</p> <p><a href="http://www.isc2.org">www.isc2.org</a></p>
 <p>HVAC Efficiency Control</p>	<p><b>GPM - Green Power Management</b> was founded in 2008, with a clear mission of researching and developing a unique strategy that achieves reducing peak demand and saving money on electrical bills. Due to the high energy consumption in peak hours most systems for light industrial and commercial industrial market consume more energy on peak hours. Resultantly the price for electricity is high, the cost of resources is tremendously high and it is not possible to manage energy in an affordable manner. Raising funds through government grants and private investments the company was able to achieve several milestones including developing a comprehensive IP (Intellectual Property) portfolio and designing and manufacturing a working beta products. GreenOS(TM) Beta site installation was integrated in MOGA INTERNATIONAL Ltd. facilities and is still working.</p> <p><a href="http://gpmworld.com/">http://gpmworld.com/</a></p>



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	<p><b>MADA Energie</b> is paving the path to a more efficient and functional electrical grid, by developing, owning, and operating the quality and performance of existing energy generation and transmission systems. MADA Energie is pleased to devote its efforts to the energy storage market, which has recently experienced high growth and visibility, and is projected to continue growing and expanding in the upcoming years and decades. MADA has entered the storage market in its first innings and is determined to become a leading player in the market as it unfolds.</p> <p><a href="http://www.madaenergie.com">www.madaenergie.com</a></p>
	<p><b>IOSight</b> is an innovator and a market leader in the field of infrastructure facility management. IOSight provides cost effective, user friendly BI/data management and reporting solutions for medium-to-large water and energy infrastructure facilities reducing costs, improving efficiency, increasing productivity, saving energy and delivering regulatory compliance.</p> <p><a href="http://www.iosight.com">www.iosight.com</a></p>
	<p><b>Energo-On</b> develops rotary UPS systems that protect a load from outages and spikes, and acts as a bridge between utility power and a standby generator. The patented design simplifies and lowers the system cost.</p> <p><a href="http://www.energoon.com">www.energoon.com</a></p>
	<p><b>SDGC</b> is a leading provider of technology, consulting and risk management solutions to strengthen enterprise businesses while managing IT risk. A combination of technology, thought leadership and a relentless passion for customer success defines SDG's approach to partnering with enterprise brands. SDG is focused around six practices: Risk &amp; Security; Identity and Access; governance; Risk Assurance; Secure Cloud; Secure Mobile Collaboration.</p> <p><a href="http://www.sdgc.com">www.sdgc.com</a></p>



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	<p><b>Arava Power Company</b> is Israel's leading solar developer and a pioneer in mid-size and large-size solar fields using photovoltaic technology. Founded in 2006, Arava Power seeks to supply 10% of Israel's electricity needs through alliances with kibbutzim, Negev Bedouin and other land owners, especially in the south of the country. In 2009, Siemens partnered with Arava Power and invested \$15 million to acquire a 40 percent stake in the company.</p> <p><a href="http://www.aravapower.com">www.aravapower.com</a></p>
	<p><b>Kalisaya Ltd.</b> Blazing a revolutionary path in portable energy solutions, Kalisaya provides all the comforts of lighting, connectivity, and multiple device charging in the most challenging on-the-go situations while simultaneously remaining renewable and carbon-neutral. The KaliPAK KP601 features an ability to fully store all the power you need while off the grid with advanced and safe lithium-ion batteries. Aside from the convenient AC/DC wall charger and car adapter (included) you can charge your PAK through Kalisaya's high-tech solar panels. These have been designed to explicitly incorporate a new, natural, and quiet style of powered luxury.</p> <p><a href="http://www.kalisayapower.com">www.kalisayapower.com</a></p>
	<p><b>Makor Energy Solution</b> is an Architecture, Engineering and Construction services company based in Israel. They work with Renewable Energy Power projects providing full EPC service and consultancy and fully integrated services to local, federal and foreign governments, Building the world's most advanced photo voltaic platforms, Teaming up with wide range of suppliers and partners around the world, Long-term partner to ensure performance.</p> <p><a href="http://www.makorenergy.com/">http://www.makorenergy.com/</a></p>
<p>Ratenergy</p>	<p><b>Ratenergy Ltd.</b> since 2006, developer of conventional hydro-pumped storage sites in Israel. In Current Development: 344MW, 8 Hours Pumped Storage Facility in Kokhav Hayarden, Northern Israel. ( 9.5% equity) In current R&amp;D: o Fast response 5MWe, 8 Hours, Electric energy storage device, integrated with a sea water desalination unit. Fast response 2.5MWe, 8 Hours, Electric energy storage device, containerized. Lava – Dry Hot Rock thermal energy storage for high temperature production and generation use. Design a regenerative RO/PRO system integrated with a compressed air /hydroelectric energy storage system at 80 Bar. The system can desalinate sea water, produce energy from osmotic pressure and store energy in the form of compressed / liquid air and ice / brine.</p>



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	<p><b>GBC OZONE™</b>, is the creator of a revolutionary new wind turbine design (patented) that can produce 30 times more energy than a conventional 3 bladed design while decreasing sound and vortexes caused by the blades. This is done by a 95% year round operation even at slow wind speeds (1m/s) while reducing noise level less than 30dB, elimination of infra-sound, eliminate flicker visual effect, 1/3 the cost of wind energy plant, ¼ the cost of grid related expenses, increase % of territories being suitable to use, efficient use of land resources, low concentration of stress loads, fast installation process, low maintenance costs, models for free-standing new installations &amp; retrofit of existing wind power turbines, concept for high capacity giant wind turbines greater than 50MW.</p>
	<p><b>SWAP Technology</b> was founded in 2015 by three entrepreneurs. SWAP product is using Air/Water pressure to store and generate power. SWAP technology developed as system that not only stores energy but rather enable to dispatch it provided high economical gain by dispatching power between peaks to off peaks times.</p>
	<p><b>PO-Celltech Ltd</b> (former Elbit Systems Energy) is a joint venture between Elbit Systems C4I and Plastic Omnium. PO-Celltech's mission profile is to develop novel technologies for a low-cost mass-produced fuel cell system and supercapacitors that can meet the automotive standards. PO-Celltech is backed by Elbit Systems' four decades of internationally-recognized leadership in providing advanced electronics to customers around the world, and Plastic Omnium, one of the world's leading tier-one supplier of the automotive industry. PO-Celltech is an R&amp;D-oriented SME, consisting of 32 employees, among which almost half are Ph.Ds in chemistry, electrochemistry, materials science and engineering and nanotechnology. The company takes pride in its comprehensive R&amp;D as well as state-of-the art laboratories and infrastructure, covering the development, design, implementation and evaluation of innovative materials and nanotechnologies for challenging energy density requirements and environments, The high levels of technical skills and expertise in multidisciplinary systems have yielded customizable solutions with the optimal balance between power performance, inner resistance, safety, life span and energy density. Currently, PO-Celltech has established a pilot semi-automated manufacturing line for aqueous supercapacitor products for energy storage applications.</p>



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<p>Ministry of Energy</p> 	<p>The Ministry's vision is to lead and carry out policies in the energy and natural resources sectors, to ensure the supply of energy and water needs in routine times and in times of emergency, and the development of natural resources in Israel, in order to improve the public's quality of life and sustainable economic growth.</p> <p>The CSO plays a central role in fulfilling this vision, primarily by encouraging entrepreneurship and innovation, but also by providing the knowledge required to develop a long term strategy in all areas of our Ministerial responsibilities. To achieve this, the CSO supports a wide range of R&amp;D activities in academia and industry, and promotes international networking, technology transfer and R&amp;D collaborations.</p>
	<p>The Energy Research Center at Ariel University incorporates 17 different research laboratories in the field of energy. Researchers are now conducting their research at chemical and biological fuel cells, water purification, super capacitors, energy storage, high voltage energy packs, cryogenics, microgrids, transportation energy and emissions, energy optimization of aircrafts, hydrogen powered / solar powered / remote charging UAVs and more.</p>
	<p>The BIRD (Binational Industrial Research and Development) Foundation works to encourage cooperation between U.S. and Israeli companies in a wide range of technology sectors by providing funding and assistance in facilitating strategic partnerships for developing joint products or technologies. Since 1977, the BIRD Foundation has invested in more than 900 projects, which have yielded direct and indirect revenues of about \$10 billion. BIRD Energy began in 2009 as a result of the Energy Independence and Security Act of 2007. Since then, BIRD Energy has funded 32 projects, with a total investment of about \$26 million. The program funds joint research and development in a range of clean energy subsectors including energy efficiency, biofuels, solar energy and advanced manufacturing.</p>
 <p>Government of Israel Economic Mission to the West Coast</p>	<p>The Government of Israel Economic Mission to the West Coast is responsible for enhancing bi-national trade relations between the West Coast and Israeli business communities. The main fields of activity include promoting trade and exports, attracting and encouraging foreign investments and creating strategic cooperation with foreign companies. By leveraging its networking capacity and industry knowledge in Israel and the Western United States, the Economic Mission is able to seamlessly engage prospective business partners half a world apart.</p>