



## *Israeli Companies Seeking R&D Partners in India\**

### **HLS, Defense & Aeronautics Companies**

<b>Company Name:</b>	<b>Tracense</b>
<b>Sector:</b>	Homeland Security, Law Enforcement, Defense
<b>Website:</b>	<a href="http://www.tracense.com">www.tracense.com</a>
<b>Company Description:</b>	Tracense develops trace detection devices based on large arrays of chemically modified nano-sensors. Such detection devices - able to sample air, liquid or particles – have extreme sensitivity and high reliability. The company focuses on applications in the Homeland Security and Law Enforcement fields, such as explosives, chemical warfare agents, biological threats and more. Specific applications include the protection of airports (persons, luggage, cargo), border crossings, critical infrastructure, government buildings and much more.
<b>R&amp;D Project:</b>	Develop a portable detector for explosives, chemical and biological warfare agents, narcotics, etc.
<b>Partner Sought:</b>	Companies involved with: Semi-conductors, explosives detection, chemical detectors, system integration; homeland security or law enforcement technologies
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<b>Company Name:</b>	<b>Radar Obstacle Detection (ROD)</b>
<b>Sector:</b>	Aeronautics
<b>Website:</b>	<a href="http://www.rod radar.com">www.rod radar.com</a>
<b>Company Description:</b>	ROD develops innovative radars that facilitate automated detection of objects. ROD achieves these results by integrating proprietary signal processing algorithms (and sometimes customized DSP chips) with existing radar and display hardware. Radar systems that use ROD technology are lightweight, low cost, and can quickly and reliably detect relevant objects and obstacles in all weather conditions. ROD has successfully tested its technology as an early warning sensor for wire detection in manned and unmanned aircraft. ROD is also developing its solution for the perimeter and border security market and for other attractive industries.
<b>R&amp;D Project:</b>	Radar Technology
<b>Partner Sought:</b>	ROD is looking for R&D, manufacturing and marketing cooperation for its Radar technology. ROD will be happy to partner with an Indian company in

the Radar/aeronautics sector for its current technology and/or the development of future products. ROD is seeking Indian partners with:

- Aerospace and/or Radar and/or Defense position in the market.
- Manufacturing capabilities.
- R&D capabilities in RF and DSP.
- Technology end user/first customer

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## Clean-Tech Companies

<b>Company Name:</b>	<b>Mediterranean Energy &amp; Ecology Center</b>
<b>Sector:</b>	Clean-Tech
<b>Website:</b>	<a href="http://www.newpolygen.com">www.newpolygen.com</a>
<b>Company Description:</b>	Innovative technologies and services in the field of reciprocating engine and gas turbine-based stationary and marine cogeneration, trigeneration and combined cycle plants, energy saving technologies, renewable and hybrid energy sources
<b>R&amp;D Project:</b>	Reciprocating Engine-based Polygeneration (Repolygen) technology for stationary and marine application
<b>Partner Sought:</b>	We are seeking new partners for ongoing Joint REPOLYGEN + Project, pooling the efforts and resources of 4 companies from Sweden, Israel and Russia and intend to complete the development, demonstrate and commercialize an innovative Reciprocating Engine-based Polygeneration technology

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<b>Company Name:</b>	<b>Gaash Lighting</b>
<b>Sector:</b>	Energy
<b>Website:</b>	<a href="http://www.gaash.com">www.gaash.com</a>
<b>Company Description:</b>	Gaash Lighting is an innovative developer and manufacturer of high-quality lighting solutions for the commercial and industrial sectors. All Gaash products are designed and manufactured in-house at the company's extensive, state-of-the-art facilities, which includes an on-site photometric laboratory. By appreciating and anticipating the needs of the market Gaash creates innovative products. These products, from the simplest to the most complex, are always reliable, easy to install and maintain
<b>R&amp;D Project:</b>	Energy Harvesting of LED luminaires
<b>Partner Sought:</b>	Companies with knowledge and experience in Lighting Science and Technology, especially in Photometric and Thermodynamics. Design of Optic systems, Thermal conversion and materials.

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<b>Company Name:</b>	<b>BAS - Biological Alarm System</b>
<b>Sector:</b>	Clean-Tech, Water
<b>Website:</b>	<a href="http://www.basdetect.com">www.basdetect.com</a>
<b>Company Description:</b>	B.A.S Biological Alarm Systems flag product " <b>Red Alert</b> " is a Real time, On-line,

	Continues, and Affordable microbial detector which initiate immediate alarm when microbial contamination is above acceptable values. By automatic filtration and detection of supplied water, B.A.S special UV/NIR detector, detect both biological particles concentration (microbe, fungi,,) and total amount of particles in the water. A GPS based modem broadcast alarm when contamination is above acceptable levels. Our data processing technology provide customer with both long term trends analysis and set up of accurate and reliable acceptable / non acceptable values. Applications include: monitoring public water supply (utilities), water plants operation, industrial water treatment, fruit and vegetable post-harvest treatment, CIP in food, beverage and pharmaceutical industry.
<b>R&amp;D Project:</b>	Currently we are engaged in a new microbial identification system to be connected to our <b>Red Alert</b> units.
<b>Partner Sought:</b>	We are looking for partners who can develop a special electrode based on antibodies for the detection of specific harmful bacteria like Fecal E. Coli , Salmonella or Antrax. With our relative strength in both enhanced sample preparation and electrical analyzers, we are looking for partner in the area of antibodies based electrodes.

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## Life Science Companies

<b>Company Name:</b>	<b>GluSense</b>
<b>Sector:</b>	Life Sciences, Medical Devices
<b>Website:</b>	<a href="http://www.glusensemedical.com">www.glusensemedical.com</a>
<b>Company Description:</b>	GluSense is developing a long-term implantable continuous glucose sensor (CGM). The sensor is intended for Type 1 diabetes patients who require a large number of blood glucose measurements per day and could benefit from an accurate, long term continuous sensor that does not require frequent calibrations and sensor replacements as currently available CGM products. GluSense unique, novel technology enables the sensor to operate over many months up to a year.
<b>R&amp;D Project:</b>	GluSense would be interested to collaborate with any company having a technology which may contribute to GluSense sensor. Specific areas of collaboration may include for example: <ol style="list-style-type: none"> <li>1. Development of miniature electro-optical detection unit</li> <li>2. Cell line development</li> <li>3. Cell encapsulation</li> </ol>
<b>Partner Sought:</b>	According to the proposed areas of collaboration, a potential partner should have either:

	<ol style="list-style-type: none"> <li>1. Expertise in the development of miniature electronics and/or optics (best – both) supporting medical device standards.</li> <li>2. Cell banking and/or expertise in developing cell lines</li> <li>3. Technology for encapsulation of cells, providing long term viability and functionality in-vivo</li> </ol>
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## Communications

<b>Company Name:</b>	<b>RF4ID</b>
<b>Sector:</b>	Wireless communication/RFID
<b>Website:</b>	<a href="http://www.rf4id.com">www.rf4id.com</a>
<b>Company Description:</b>	RF4ID is focused on providing industry's smartest RFID (Radio Frequency Identification) solutions. RF4ID is developing RFID solutions for the supply chain and logistics. RF4ID consultants have more than 10 years' experience in developing, integrating and implementing various Active and Passive RFID projects. Among these projects: RFID solution for a Container Freight Station in India.
<b>R&amp;D Project:</b>	Smart logic system commercial solution in identifying RFID tags on the pallets on the locations in a warehouse - RF4ID Smart Logistic System © (SLS) The SLS is a patented solution to trace goods on pallets and their location in Warehouses and in the Supply Chain, based on the RFID Technology. The SLS can reduce the operational costs of the Supply Chain by 20-30 %. The SLS solution consists of a portable sleeve mounted on a forklift tine which includes an RFID reader, battery and wireless communication to the SLS Controller mounted in the forklift cabin, RFID Pallets and RFID marked locations in the warehouse. The SLS provides the Warehouse Management System precise and real time information regarding the pallet ID and its' location in the warehouse. You are welcome to see a movie of the SLS: <a href="http://www.rf4id.com/albums/videos">http://www.rf4id.com/albums/videos</a>
<b>Partner Sought:</b>	Experience in developing RFID solutions, especially for logistics, wireless communication, embedded computers, mechanical engineering (forklifts)

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## Misc.

<b>Company Name:</b>	<b>Decell Technologies</b>
<b>Sector:</b>	Transportation
<b>Website:</b>	<a href="http://www.decell.com">www.decell.com</a>
<b>Company Description:</b>	Decell Technologies is a leading provider of premium real-time, historical, and predictive road traffic information and services. Decell uses its sophisticated technology to analyze and integrate different types of raw location data, such as anonymous cellular data, GPS data, and 3 <sup>rd</sup> party sources. This smart data

	fusion generates Swift-i traffic <sup>®</sup> , Decell's high-quality, wide-coverage road traffic information.
<b>R&amp;D Project:</b>	Decell proposes a project where accurate road traffic information could be used to improve road infrastructure, operation and planning
<b>Partner Sought:</b>	Experience in the Transportation sector with strong preference to the ITS field (Intelligent transportation systems). Possible technological knowledge in traffic monitoring (both HW and SW).

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<b>Company Name:</b>	<b>Loginno Logistic Innovation Ltd.</b>
<b>Sector:</b>	Misc.
<b>Website:</b>	<a href="http://www.loginno.com">www.loginno.com</a>
<b>Company Description:</b>	Loginno is an international provider of affordable and powerful smart monitoring services for dry containers that include online intrusion detection, continuous positioning reporting and smart surroundings analysis.
<b>R&amp;D Project:</b>	Logistics Technology - Further development of a working product: the world's only invisible & total shipping container alarm system. Project will focus on adding new innovative features and improving usability to existing product, as well as modify product to fit new markets and needs. Partner will enjoy immediate sales and providing value added services to customers.
<b>Partner Sought:</b>	Preferred: Logistics company: Freight forwarder, 3PL, 4PL, shipping company Also optional: <ul style="list-style-type: none"> <li>• Technology-oriented company with current/desired activity in Logistics.</li> <li>• Big company (doesn't have to be a tech company) currently selling to the Logistics market.</li> </ul>

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<b>Company Name:</b>	<b>Like-A-Fish Technologies Ltd.</b>
<b>Sector:</b>	Industrial
<b>Website:</b>	<a href="http://www.likeafish.biz">www.likeafish.biz</a>
<b>Company Description:</b>	Like-A-Fish Technologies develops and provides a tankless diving gear that is able to extract air from water.
<b>R&amp;D Project:</b>	Method for breathing underwater without compressed air cylinders - The new method extracts dissolved air from the seas for breathing purposes. Allows humans to breathe underwater for very long periods of time, requiring only a power source. Because of bulkiness considerations, initial effort is directed towards submarines, diving scooters and underwater habitats
<b>Partner Sought:</b>	Interested parties in undersea activities: navies, oil companies, underwater exploration, defense contractors.

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<b>Company Name:</b>	<b>VVB Research</b>
<b>Sector:</b>	Misc. , Industrial Technologies
<b>Website:</b>	<a href="http://www.vvb-tech.com">www.vvb-tech.com</a>
<b>Company Description:</b>	<p>The company is developing and implementing the technologies for different industrial fields. Currently the company has developed the technologies for the following industries:</p> <ul style="list-style-type: none"> <li>• Internal combustion engines production;</li> <li>• Production of construction materials;</li> <li>• Dehydration and oil refining;</li> <li>• Environmental cleaning technologies;</li> <li>• Military weapon production.</li> </ul> <p>Currently the main product of the company is Gasoline and diesel internal combustion engines efficiency increase technology.</p>
<b>R&amp;D Project:</b>	<p>The company has developed a method to significantly increase efficiency of gasoline and diesel internal combustion engines. The main development involves an architecture update of the engine chamber and ignition method. The technology also brings more effective use of alternative fuels (alcohol, gas, etc.). The innovation of the technology is in the fundamentally new approach to solve the problem of increasing internal combustion engines efficiency, which provides significantly greater efficiency gain (15-25%) in comparison with existing technologies (1-2%).</p> <p>Proposed project is the commercial realization of the Gasoline and diesel internal combustion engines efficiency increase technology, which include:</p> <ul style="list-style-type: none"> <li>- Performing necessary R&amp;D activities;</li> <li>- Selling the licenses to use the technology to the manufacturers.</li> </ul>
<b>Partner Sought:</b>	<p>The company is looking for a partner, which can be:</p> <ul style="list-style-type: none"> <li>- Manufacturer of internal combustion engines (or devices and vehicles which contain engines), who is interested in the implementation of the technology in its products;</li> <li>- Commercial agency, who is interested in an agreement for the sale of licenses to use the technology;</li> <li>- Investor, who is interested in investing in proposed technology.</li> </ul> <p>The partnership can involve the following types:</p> <ul style="list-style-type: none"> <li>- Research or technical cooperation agreements - Collaborative R&amp;D activities to implement the proposed technology into the production technology of the manufacturer, which includes: <ul style="list-style-type: none"> <li>• Development of a special method of ignition;</li> <li>• Description of the design principles of a new engine architecture.</li> </ul> </li> <li>- Commercial agreement with technological assistance;</li> </ul>

- Licensing agreement;
- Investment agreement.

**\*To express interest in any of these companies, please contact Program Manager of India-Israel Cooperation Programs at MATIMOP, Ms. Hadas Kroitoru ([hadas@matimop.org.il](mailto:hadas@matimop.org.il))**