



ABOUT DST

DST Cleantech LTD. deals with solar solutions and developing LED-based illumination devices. The company is involved with development of Environmental friendly products and safety products for the business and public sectors. The company manufactures all the various electronic systems required to activate the products using solar energy and supplies its customers with the complete solution that includes not only the electronic systems, but also the required illumination devices, batteries, and solar panels.

All the company's products are the most efficient in their field and save the users most of the variable costs. The company is an Israeli company that develops and manufactures all of its products in Israel.

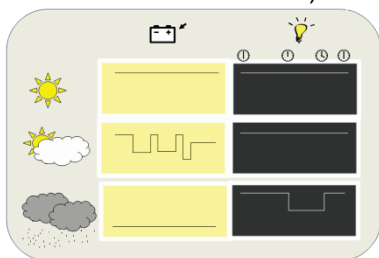
DST's products offer three central advantages:

Cost-Efficiency

Infrastructure: Solar-powered products do not require any electric infrastructure to function, saving a lot of time and money. In fact, because of the high infrastructure costs, a large part of the company's products return the purchase costs even before the activation!

Energy Consumption: DST's illumination devices consume only 10%-40% of the amount consumed by comparable products (including fluorescent lighting). This difference is very important in solar-powered products, since it allows a proportional difference in the size of the solar panels and batteries. DST's illumination devices are planned to work at a direct current, which allows absolute control of the light intensity and prevents waste.

Integral Planning: The company plans and manufactures all of the electronic components included in its products (As opposed to companies that integrate products by several manufacturers). This way, the various components in the products are perfectly compatible with one another, and prevent any waste of energy. The company's products include micro-processors that orchestrate the system's components and allow predetermined changes according to various parameters, such as the remaining battery energy, the weather, the sun's intensity etc. Additionally, the company includes various detectors and sensors that ensure further saving of energy.



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Life-span

The company's products are designed to function for decades with no malfunction (MTBF>100,000), all the electronic circuits in the company's products are made in-house and are designed and manufactured in Israel. The LED's lifespan are tens of thousands of hours. Meaning, if activated 12 hours a day, there is no need to replace the LEDs for years!

Eco-friendly

Solar-powered products do not cause any greenhouse gas emissions. The company's other products saves the environment tons of greenhouse gases (as opposed to regular lighting) and that up to code with the newest regulations, and the principles of the Kyoto treaty. The company uses recyclable materials in its products that are up to the strictest environmental codes.



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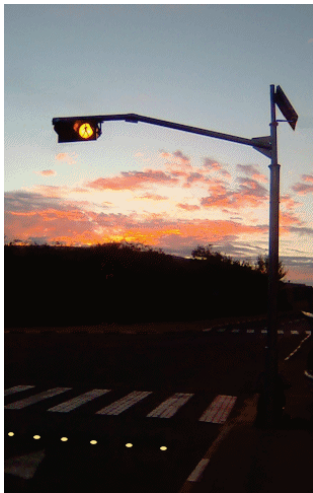
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DST offers several product lines:

Safety

The company manufactures a large number of security products for roads, crosswalks, traffic circles, and railway crosses. These products include lighted road signs, traffic signals, warning signals, road studs and more. The solar-powered products do not require any electric infrastructure, and are easy and quick to install.



The products charge their batteries during the day and utilize the energy during the night.

Since these are safety products, the company insures that they function properly in any weather condition using microprocessors that controls the products' parameters using preplanned smart algorithms. The company's products can match the blinking frequency, light color and intensity to the weather, light hours, length of the nights, state of energy in the batteries etc.

Additionally, at the customers' request, the company can integrate cellular communication in its products that transmit a warning when there are system malfunctions or there is a need to change the batteries.

Signs and lighting

DST offers a variety of systems that combine LED lighting with solar energy. The company supplies solar bus stops with lighting and lighted signs, solar-powered billboards, solar street-signs, and more. Some of the products are designed to shield the solar panels to prevent sabotage. The company also specializes in converting regular systems to solar energy.

These systems also include computerized control that enables predetermining their activation hours and intensity. The company offers illumination devices for apartments, roads, gardens and pathways. The lighting is activated by solar energy stored in batteries during the daytime. Using the technologies developed by the company, the illumination devices function even in extreme weather conditions and for many years.

DST's lighting enables saving of 100% in energy consumption and infrastructure costs (power lines, etc.) and most of the maintenance costs.



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Solar energy for various uses

DST offers a variety of solar-powered devices that supply energy to electric systems in remote locations. The company has supplied unique systems to Israel's railways with an unparalleled level of security and reliability. Systems have also been supplied for various uses such as electric bus stop signs, activation of communication in remote locations and more.

DST also supplies 'hybrid' systems that enable continuous activity in locales in which the power grid functions only for a few hours during the day or night. These systems have been supplied to an urban environment in Israel (systems that charge during the night from the lighting in the light posts and enable activity during the day), states in Africa, as well as remote ranches in Israel, with insufficient power supplies.



DST Inside

DST is one of the leading companies in the world in development and manufacturing of advanced electronic systems for utilizing solar energy. The company develops and manufactures all of the electronic components required for solar-powered systems and other illumination systems in Israel. DST manufactures a variety of inverters, charge controllers, current management systems (Drivers), voltage conversion systems (DC-DC) and computerized and advanced control systems



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