

ShaanTech Walks the Talk on Solar and LED Benefits

Karachi, Pakistan—Pursuing its efforts to promote the use of cost-effective energy tools, Shaan Technologies announced it will be the first manufacturing facility in Pakistan to utilize solar panels and LED lighting products throughout its production plant.

In so doing, it is emphasizing its commitment to solar power and LED lighting as an intrinsic part of the company mission statement.

The benefits of using the solar-LED combination is more than

simply cost-effective energy which results in huge savings. It also contributes to a better working environment—Employees prefer the LED light over incandescent lamps, fluorescent tube lamps and compact fluorescent lamps.

The decision to utilize LED lighting in combination with solar panels is also greatly beneficial to the environment. Solar produces no carbon footprint, and LED lamps are non-toxic, unlike CFL tubes, which contain mercury.

Some of the many advantages of LED lighting:

- Long Operational Life – as much as 100,000 hours.
- Cost savings can be as much as 90% of existing costs.
- Heat emission is very low, thus eliminating a contributor in hot climates to additional heat which decreases the efficiency of



air-conditioning units.

- Increased visual acuity and elimination of shadows, which allows for better-defined sight that is crucial in production lines and healthcare facilities—surgeons and medical personnel in hospital operating rooms prefer LED lighting.

“ShaanTech will continue to provide the city of Karachi and all of Pakistan and neighboring nations the highest quality photovoltaic cell and LED lighting technologies,”

stated founder Pervaiz Lodhie.

“This will result in more access to cost-efficient energy and environment-friendly products.”



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Shaan Technologies

SOLAR PANELS

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Energy is a very important issue in Pakistan, and by locally producing photovoltaic solar panels, ShaanTech is contributing positively to solving Pakistan's energy needs. Solar power is a highly cost-effective source of energy that also provides significant improvement to the environment that benefits every citizen.

“The ShaanTech state-of-the-art manufacturing facility is fully equipped with the latest in manufacturing equipment possible to insure that each and every photovoltaic solar panel is of the highest sustainable level and achieving the maximum efficiencies,” stated Mr. Lodhie.

The company's commitment will benefit the citizens of Pakistan by providing cost-effective energy



which, in combination with using LED lighting products, will bring increased literacy, educational and manufacturing opportunities that were lacking due to energy shortages

and inefficient planning.

The worldwide business, scientific and economic communities anticipate that in 15-20 years solar power will be the main source of energy in both established and developing nations.

With its decision to manufacture solar panels, ShaanTech has placed Pakistan in prime position to lead in this transition to an efficient and earth-friendly energy source.



Project “First Ray of Light” Delivers Hope

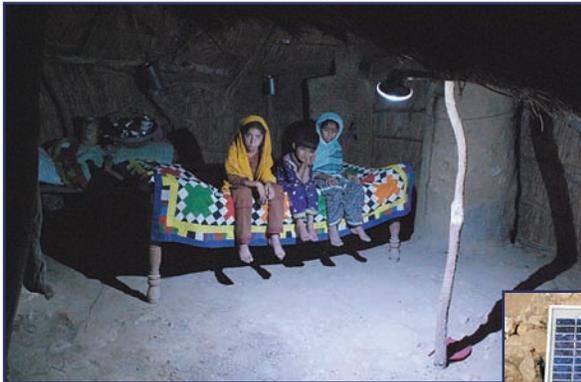
A simple idea by the chief executive of a California electronics company is bringing hope across the ocean to countless desolate and underdeveloped regions of Pakistan.

Pervaiz Lodhie’s aim was to provide through LED lighting and solar panels—products that his two companies manufacture—real hope of improved quality of life to villagers throughout the remote areas of the southeastern nation.

Lodhie is CEO and founder of LEDtronic, Inc., a leading-edge LED lighting solutions provider in Torrance, California, as well as of Karachi, Pakistan-based Shaan Technologies, which provides assembly and contract manufacturing to Original Equipment Manufacturers and, recently, a maker of photovoltaic solar panels.

“There was an urgent need for access to safe lighting that would replace the predominantly used Kerosene lamps, which are toxic, contribute to potential fire hazard and provide very poor light at a high cost,” Lodhie says. “We felt we had a better solution.”

He and Shaan Technologies jointly began a vigorous campaign of distributing a package that consisted



of a solar panel and an LED lamp to those villagers in the rural areas of Pakistan. With Pehli Kiran—The First Ray of Light—Foundation he established, Lodhie has been able to deliver hope to these villagers and, especially, the children.

The solar panels and LED lamps together deliver a quality light that is sustainable, safe and non-toxic as well as environmentally friendly. All of these positives are delivered with significant cost savings. More importantly, these gifts allow villagers to work longer hours so they can create products they need to sell to ensure their economic future.



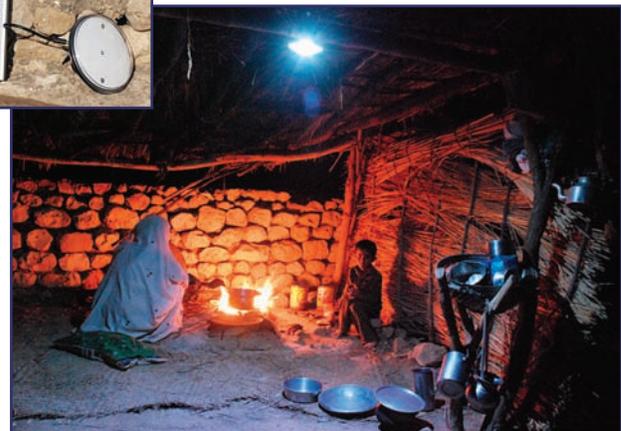
For the children, it provides increased opportunities to education, an additional tool to expand literacy to all in the village—young and old.



Lodhie’s foundation and his Shaan Technologies facility employees have recently joined in partnership with the UNDP—United Nations Development Program—to further expand throughout Pakistan the “First Ray of Light” goal of bringing

safe and cost-effective light to every village.

Literacy, education, health facilities and economic stability all benefit from the product of a simple idea—combining solar-generated power with efficient LED lighting.



EXHIBIT

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the company demonstrated its proven ability since 1998 to provide: *Contract Manufacturing, Electro-Mechanical Assembly, Thu-Hole PC Board Assembly, Component Soldering, Dip Soldering, SMD Soldering, Wire Stripping, Crimping, Harnessing, Ink-Jet Marking and Miniature Spot Welding.*

The exhibition, which this year was held at the Karachi Expo Centre, is mounted annually in conjunction with the International Trade & Industry Fair (ITF) Asia.

These two exhibitions brought together the areas of energy saving and alternate/renewable energy technologies covering power generation, transmission and distribution. Manufacturers and suppliers that are invited to attend and exhibit are from electric, hydroelectric, thermal atomic, solar and other related sectors.

It also brought a showcase of machinery and technology related to a growing industrial



sector of the economy and highlighted new prospects in these industries to attract foreign investment and joint ventures.

The focus of the exhibition was to highlight the fact that Pakistan has enormous unexplored renewable energy resources and this is especially true when solar energy is discussed.

"We were all pleased with our new booth created for this and future shows that provided a leading-edge view of ShaanTech products," said Anwer Merchant of North America-based LEDtronics, Inc., of which Shaan Technologies is an affiliate.

He added: "The foot traffic and attendance at the show were

very impressive as was the excellent traffic we had at our booth. There was tremendous interest in all the manufacturing services we provide, but special interest

was shown to our new solar panel manufacturing capabilities.

"We received many inquiries and requests that we look for-



Members of the ShaanTech team at the expo (from left): Yassir M. Bin Khalid, Shahid Siddique, Anwer Merchant and Ayaz Mahmud

ward to following up with and generating incremental business on our existing services and capabilities as well as our new product offering—photo-voltaic solar panels."



Shaan Technologies (PVT) Ltd.
Plot #22,
C (III) Export Processing Zone,
Landhi Industrial Area,
Karachi, PAKISTAN

Phone: +92-213-5080954
+92-213-5080062
Fax: +92-213-5080957
E-mail: info@shaantech.net
Web: www.shaantech.com

Corporate Profile

Shaan Technologies (Pvt) Limited is ISO 9001:2008 certified as well as RoHS (Restriction of Hazardous Substances) compliant. It is a leading Pakistani manufacturing company based in Karachi and exclusively engaged in manufacturing and assembly of a wide range of electronic circuits and systems for leading OEMs (Original Equipment Manufacturers) around the world.

ShaanTech is an affiliate of California-based LEDtronics, Inc., which is a leader in innovations and solutions for LED lighting products since 1983. ShaanTech is an acknowledged hi-tech LED lighting manufacturing company with a well trained and experienced workforce led and managed by a professional management team.

Products and Services

- Contract Manufacturing
- Electro-Mechanical Assembly
- Component Soldering
- Dip Soldering
- Wire Stripping, Crimping, Harnessing
- Thru-Hole PC Board Assembly
- SMD Soldering
- Inkjet Marking
- Miniature Spot Welding

Solar Panel Manufacturing

Pursuing its mission to promote a positive image of Pakistan, ShaanTech in 2011 launched a new production line dedicated to the manufacturing of Solar Panels covering a wide megawatt range.

The decision will result in an economic climate which will both directly and indirectly create a positive impact on the level of employment in Pakistan. Every ShaanTech solar panel is completely designed and manufactured in Pakistan under guidance of and technological support from LEDtronics, Inc.—its North American affiliate.

Eco-Friendly Organization

ShaanTech is the first industrial concern in Pakistan to replace energy-inefficient and mercury-contained fluorescent tube lights and lamps with energy-efficient, non-toxin, reduced-maintenance and longer-life-cycle LED lights.

At present, 80% of our operational lights are LED based, powered by a 1.5 kilowatt solar panel bank on the roof. By using solar-powered LED lamps, ShaanTech not only reduced their electricity bill but is also doing its small part in support of the Go Green Revolution, which is aimed at reducing the carbon footprint on Earth.

Affiliations