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Shining Light on Public Spaces

Silicon CPV worked with the "Region de l'oriental", one of the 12 regions of Morocco with Oujda as its capital, to design and deploy solar LED lighting for a series of public parks covering an area of 25 hectares.

After careful consideration, product trials and evaluations from a number of other suppliers, the region chose solar powered lights from Silicon CPV's new Kamr Solar LED Street Lighting Range. The Kamr solar LED lights produce zero greenhouse gas emissions and costs less than half the price that grid-tied lights would have cost.

When asked why the region placed an order with Silicon CPV for over \$450k amid fierce competition, Mr Abdenbi Bioui, President of the Region replied,

“Recently, society has become more understanding about the importance of integrating renewable technologies into our day-to-day lives. Thanks to advances in solar panel, battery and LED technologies, commercial solar outdoor lighting is now more reliable than its grid-tied counterparts. Not only does this lighting provide a higher quality of light for a lower cost, the battery technology has greatly improved, so the batteries are really efficient, longer-lasting and even rechargeable. The LED lights themselves are much improved so we have more light around the park for less cost. The payback for installing this solar LED lighting system was achieved immediately because we avoided the costs of trenching and wiring around the park and we had no other electrical and utility expenses associated with the installation of a new grid-tied lighting system. The best parks and playgrounds in our communities are those that residents will use and enjoy because they are designed to be functional, aesthetically pleasing, and safe. This Solar outdoor lighting has provided increased security in the form of an attractive, easy-to-install system “

The products chosen for this installation was from Silicon CPV's recently launched Kamr range, one of the most advanced solar street lighting systems available with built-in wireless remote management system and a design life of 20 years with only two replacement batteries needed in that period. The cutting edge solar technology within the lights means lower capital and running costs of the units compared to the traditional grid collected street lights.

Cont:

Professor Humayun Mughal, the CEO for Silicon CPV recently commented,

“ For this project at Oujda Park, Silicon CPV has installed lights from the Kamr range, these lights are powered from an infinite power source that is always available and we feel that the developed world is now starting to understand that power from the grid, is far from infinite. I read a report recently that estimated that at current levels of energy usage, the earth has about 150 years of energy stored in the form of oil, coal and uranium. The sun is infinite....

Customer satisfaction is very important to Silicon so as a company we invested a lot of time to understand the specific needs of this customer, the infrastructure of the site and because of this we saved the customer a lot of money on design costs, as a company we always ensure that the installation is designed and performing according to the customers expectation. “

The technology trends have made commercial solar outdoor lighting a viable economic alternative to grid-tied lighting and this trend will continue to accelerate in the future. Solar outdoor lighting will be the norm, lighting up the night with high-quality, clean, renewable power.

Silicon CPV manufactures solar street lights with high efficiency proprietary solar cells at its factory in Harlow, Essex, UK. Silicon CPV develops ground-breaking technological designs and solutions for both commercial and power generating organisations. The solutions created by the company reduce and remove the dependency of the world on conventional fuel generation and current energy sources in the future by replacing traditional fuel sources.

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Notes for editors:

- Silicon CPV Ltd is a UK-based developer, designer, manufacturer and leading provider of cost-effective, commercially viable solar power street lights. Over the last 10 years Silicon CPV Ltd has consistently achieved ground-breaking technological designs with a long product life and at a lower cost than conventional lighting.
- Silicon CPV designs and manufactures renewable energy products like solar street lights, solar bollards for public areas, affordable pay-as-you-go solar home systems for off grid communities and solar hybrid mini grids for remote areas. Products have already been deployed in Morocco, Saudi Arabia, Dubai, Pakistan and South Africa.
- For more information visit www.siliconcpv.com or email marketing@siliconcpv.com