



Summary:

Clear Blue’s Smart Off-Grid technology and management service is being used to ensure high performance, reliability, and low maintenance costs for 800 new streetlights in the new logistics town in Settât, Morocco.

Background

One of the major initiatives in Morocco is the Logintek Morocco project by Zinafrik Development Group, launched in 2014. It is the first national private network of integrated logistics and industrial cities, dedicated to economic, social and eco-green growth. These new cities will become transit hubs throughout the country and become a regional hub to conquer the African market. They are being located near the national highway, airport, and railway to ease the movement of goods and products. Not only will these planned cities encourage competitiveness from businesses at regional, national, and international levels, but they are also expected to create about 70,000 jobs in the next 15 years.

In the new logistics town near Settât, 800 solar and solar-wind powered streetlights were needed to provide outside lighting. Idsud Energies Afrique, a division of Idsud Energies, a renewable energy company headquartered in France, was chosen to provide and manage the installation of the lights. Idsud Energies Afrique partnered with Clear Blue Technologies as well as many local companies who were participating in this major effort.

As installation of this project started the local contractor installed the first 30 systems. Clear Blue’s Smart Off-Grid remote management service performed its Remote Commissioning of the system, which determined that all 30 systems had issues. There were some problems with the wiring configurations and some warranty repairs that meant every system had a problem. It quickly became apparent that Clear Blue’s Smart Off-Grid service would be key to the successful installation of this system.

Idsud, the local contractor, and Clear Blue worked together over 6 months to successfully install all systems as the streets were constructed. On a daily basis, the contractor was notified by Clear Blue of the issues and fixes needed for the next phase. Today 100% of the systems are operating properly.

Now that they are installed, Clear Blue also provides ongoing expert management services:

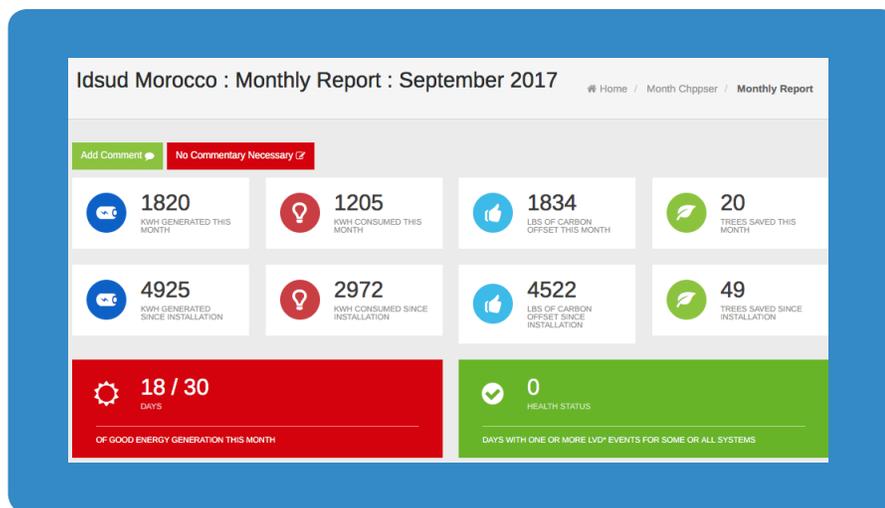
- Installation and commissioning support to ensure installations are done correctly
- Automated monthly reports, system uptime management, battery lifecycle management and remote maintenance and repairs, all done by the Clear Blue team.



Smart Off-Grid is the key to successful off-grid lighting installations.

With Clear Blue's Smart Off-Grid, the project moved ahead quickly and efficiently. A commissioning report kept local installers aware of what remained to be done and which lights had been correctly installed. Each light now communicates automatically with the Illumience cloud software, sending status information and other data that first validated a successful installation, then ensures ongoing reliability and performance.

The lights can be controlled and managed remotely, and any issues dealt with quickly if they arise. In addition, daily and monthly reports track and report on all aspects of the lighting systems, and are available online to whoever needs the information.



Smart Off-Grid

- All poles connect to the Internet via built-in communications
- Controls all power and load functions remotely to optimize performance, set lighting profiles and dimming easily
- Automatically identifies and diagnoses issues for fast and convenient troubleshooting, sending alarms when needed
- Software runs in the cloud, requiring no installation or specialized training to use
- Clear Blue's experts provide ongoing management service

“With Clear Blue’s Smart Off-Grid system and service, we have securitized and optimized our product, and delivered, what is for us, a successful project.”

Idsud senior executive

