



ADEME

Agence de l'Environnement
et de la Maîtrise de l'EnergieClub ADEME
International

SUNNA DESIGN

Gado refugee camp

In Cameroon, in the east of the country, at the border with the Central African Republic, NGO Solidarités International looked into the living conditions of people in the village of Gado and neighbouring refugee camp. Tens of thousands of people have fled the war that has been raging in the CAR for several years and have found refuge in the eastern part of the country. There in Gado, 25,000 refugees found some respite and just enough to start rebuilding their lives. Solidarités International identified several areas in the village and in the camp which they believed would be key in bringing back overall well-being for people at night. The project was to provide lighting in high-traffic areas such as the main roads, intersections, market square, health centres and sanitary facilities in both the village and the camp.

Gado
Cameroun**Duration**
6 months**Total costs**
+ 120 000 €**staff called up**
Confidential

Thematiq



ErVICES performed

Equipment Delivery
Commissioning

French partners



EU partners

Protection civile
et aide humanitaire
de l'Union européenne

Objectives of the project

NGO Solidarités International naturally turned to solar lighting and issued a call for tender for the provision and installation of autonomous lighting in the relevant areas.

In order to ensure the durability of the infrastructure, particular attention was paid to the quality of the equipment, while remaining within budgetary constraints of funding. Technical specifications included:

- Lighting performance
- Year-round availability of lighting, including after the rainy season when sunlight is limited
- Product adaptability according to application
- Little or no maintenance within the first 10 years

Main phases

Sunna Design's proposal was selected as it met all of the requirements set out by the NGO and the UNHCR, the UN Refugee Agency.

An in-depth technical study was carried out to identify the products most suited to the project and in line with the planned budget: the ISSL+ street light with a road optics was selected for the lighting of pathways, while the Maxi4 with a wide optics was selected for the lighting of larger areas.

An autonomy study was carried out to reproduce how these two products would perform in Gado, taking into account data relating to solar irradiance of the last 10 years. Our products showed perfect performance results for that geographical location.

HELIOS ENERGY, a company based in Cameroon, partnered with Sunna Design to deploy the products and explain to the local population how they operate.

Local clients and beneficiaries

The whole camp and village benefited from the installation. All in all, more than 30,000 people have now access to street lighting on vital roads and pathways, as well as in places where they can gather and interact with each other.

Insecurity reduced dramatically and economic activities developed in those areas, including in the evening with shops and street food stalls that stay open later.



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What they said

Living conditions for both the host village and refugees improved significantly, as evidenced by this statement from the Gado refugee camp Central Committee president:

"For a long time, this site suffered from a lack of lighting resulting from the absence of access to electrical energy in the region. Thanks to the presence of street lights, our children will be able to study their lessons in the evening, shop owners will be able to sell their products late at night and we've seen a reduction in insecurity. In short, the site has been given a fresh new identity. Aesthetically speaking, the street lights are pleasing to look at."



With more than 130 members, the Club ADEME International assists the SMEs in its network in the development of innovative projects and international partnerships. The objective is to participate in the dissemination of French knowledge, by supporting the private and public sector in the ecological and energy transition sector in order to meet global environmental and climate challenges.

For more information : www.clubinternational.ademe.fr

