Renewable hybrid wind-solar power system for Telecommunication BTS

reliable • clean • profitable
Cleaner, reliable energy solutions to drive the telecom infrastructure development in the 21st century

The integration of hybrid renewable energy solutions together with conventional systems will promote the reliability of the communication network as well as lower economic and environmental costs. Kliux Energies offers a small wind-solar PV hybrid solution to be integrated with a battery bank that provides autonomy and a diesel generator that ensures energy availability 365 days a year.

CONVENTIONAL ENERGY SYSTEMS ARE NO LONGER SUSTAINABLE
- Locations in isolated rural areas with no access to the electricity grid.
- Increasing fuel prices (between € 0.50 and € 1.10 per kWh).
- Ever growing O&M costs.

RENEWABLE HYBRID INTEGRATION DELIVERS TANGIBLE BENEFITS
- Reduced O&M costs.
- Operation guarantee.
- Service independence and cost control.
- Reduction of noise pollution and CO2 emissions.

Kliux Energies hybrid solution: self-sufficient, clean and profitable

CASE STUDY
To supply energy to a Telecommunications Base Station with a consumption 24 kWh a day, Kliux Energies suggests the following component configuration.

- 1 Kliux Geo 1800 vertical axis wind turbine (VAWT).
- 1 wind inverter.
- 20 x 265W monocrystalline PV solar panels.
- 1 solar inverter.
- 24V 24V and 1.500Ah battery bank.
- 1 Off-Grid inverter.
- Remote monitoring system.

- 100% of Energy Coverage
- 8,760 kWh a year
- 3 Year Payback

To request information, contact us: info@kliux.com
WE DIMENSION THE PROJECT THAT FITS YOUR NEEDS

Our Project Management Office will conduct a detailed feasibility study taking into account:

1. The needs and demands expressed by the user based on the amount and type of electricity consumption.
2. Wind and solar resources available in the exact location.
3. The area and space available for the system to install.
4. Potential incentives and subsidies for investment and renewable generation (feed in tariff).
5. Configuration of recommended Hybrid System.
6. Analysis of costs, ROI and payback period.

C/ Diego Velázquez 5.
26007 Logroño (La Rioja)
Tel. +34 941 10 24 10
mail: info@kliux.com • www.kliux.com