



Case Study

Rumbu Industries Ltd, Kano, Nigeria

Solar rooftop – Industrial



105 MWh/year
Solar production



18,900 Litres/year
Diesel fuel saved



6,7 Million NGN/year
Saved on energy cost

Project Details

Industry	Plastic Mats Factory
Plant type	Industrial Rooftop
Capacity	73 kWp
Location	Kano, Nigeria
Deployed	May 2017



Project Highlights

- First solar hybrid industrial solution in Northern Nigeria
- Seamless integration with grid and back up diesel generators
- Saves millions of Naira in energy costs per year

Project Description

Rumbu Industries Ltd is one of the world's largest companies producing plastic mats, exporting them to West Africa and beyond. Based in Kano, Northern Nigeria they have over 1000 employees and operate 24/7 with average daily power needs of over 500 kW. The poor grid supply in the Kano region has forced Rumbu Industries Ltd to use diesel generators. Power reliability is particularly key for this industry as their machinery quickly gets clogged during black outs. Diesel is expensive and immediately impacts profitability.

Rumbu Chairman, Alhaji Ibrahim Salisu Buhari, applied the same innovative mindset to his energy problems that he applies to his factory solutions and decided the Enerwhere's solar hybrid solution was the best answer. The first stage of this project is a 73.5 kWp solar rooftop installation completed in May 2017. The system works in parallel with the utility grid and diesel generators. The operation of the back-up generators is not effected. The only difference is a reduction in grid and diesel bills. The success of this project is evidenced by the development of a phase 2 expansion of Enerwhere's solar solution for Rumbu.