

CASE STUDY · COMMERCIAL & INDUSTRIAL SOLAR · JUBA, SOUTH SUDAN

Keeping a Juba logistics hub running on 125 kWp of clean energy

How Warehousing & Logistics Company(WLC) is cutting its power bills and locking in long-term energy costs with a rooftop solar system designed and commissioned by Ariya Finergy.



<p>125 kWp INSTALLED CAPACITY</p>	<p>Bifacial PV MODULE TECHNOLOGY</p>	<p>Grid-tied SYSTEM CONFIGURATION</p>	<p>30 yrs PROJECT LIFE</p>
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THE CHALLENGE

Operating a high-traffic warehousing and logistics facility in Juba requires reliable power, yet electricity remains both expensive and inconsistent. Increasing utility costs continue to pressure operating margins, while outages disrupt the smooth flow of goods. WLC sought a way to gain greater control over its energy expenses and reduce vulnerability to fluctuating power prices without affecting day-to-day operations.

THE SOLUTION

Ariya Finergy designed and commissioned a 125 kWp rooftop solar PV system across WLC’s warehouse roofs. The system maximizes the use of available roof space to generate clean, cost-effective energy, while the grid-tied design allows the facility to operate on solar power during the day and seamlessly draw from the grid when needed—ensuring uninterrupted operations.



THE IMPACT

- **Lower bills from day one.** The system reduces utility costs immediately, freeing up operational capital to reinvest in the business.
- **Steadier cash flow.** Generating clean power onsite lowers ongoing bills and makes long-term costs far more predictable.
- **A healthier workplace.** Energy-efficient, solar-upgraded buildings support better working conditions for the team.
- **Measurable sustainability.** Live performance data lets WLC track progress toward net-zero targets and share real results with stakeholders.



While commercial electricity rates keep fluctuating, generating our own power lets us lock in our energy costs for up to 30 years.



James Mudinyu
OPERATIONSMANAGER, WLC

