

MEASURED CLIENT OUTCOME

Energy data saves UGX 300M on solar and cuts UGX 40M per year in processing costs

JESA was about to buy a solar system sized on estimates. Measured consumption proved it was oversized — cutting UGX 300 million from the investment — and revealed a further UGX 40 million a year lost to processing at the wrong hours. Both answers came from the same meters.

CLIENT

JESA

SECTOR

Food & Agricultural
Processing

LOCATION

Busunju, Uganda

ENGAGEMENT

May 2023 – February
2026

Measured outcomes

UGX 300M

Solar investment saving

Accurate consumption data prevented an oversized solar system specification — right-sizing the investment

UGX 40M/yr

Annual processing saving

Recurring annual saving from optimising raw milk processing operations using energy data

Significant

Payback improvement

Correct system sizing dramatically improved the solar project's return-on-investment timeline

Food Processing · Dairy · Solar · Load Optimisation · Investment Planning

HOW THESE FIGURES WERE PRODUCED

Sub-meters were installed on the circuits that matter at this site and read continuously on the Orijtech Energy platform. Every three-phase meter takes three current sensors. The figures above are drawn from that metered record — not from estimates, projections or modelled savings.

The full write-up, including what the data showed and what was decided on the strength of it, is published at orijtechenergy.com/case-studies/jesa-solar-investment-and-milk-processing.