Psaltry International Industrial Microgrid

Sector:

Industrial Energy / Agro-Processing

Location:

Ado-Awaiye, Iseyin LGA, Oyo State

Status:

On-site solar + battery energy storage system commissioned to power cassava processing facility; capacity 1 MWp + 1.1 MWh storage

1. Project Snapshot

Psaltry International Limited, a leading cassava processing company, has deployed a solar + battery industrial microgrid to provide clean and reliable energy for its starch and ethanol production plant. The project reduces dependence on diesel generators and grid unreliability, cutting emissions and costs.

2. Current Risks / Concerns

1. **Energy Reliability**
   Integration of solar PV, battery, and backup systems
2. **O&M Requirements**
   Battery management, spare parts, and technical skill gaps
3. **Production Downtime Risks**
   Power outages impacting processing throughput
4. **Financial Viability**
   Tariff structures, cost savings vs. diesel alternatives
5. **Expansion Interfaces**
   Potential for capacity scaling, grid tie-ins, or community links

3. PHC Service Offer

7-Day Review

Risk baseline for microgrid operations, performance, and O&M readiness

Open Concerns Dashboard

Real-time monitoring of energy reliability and cost savings

Early Finish Incentives

Verified savings fund rural electrification or school energy projects

Performance Governance

Continuous tracking of uptime, efficiency, and emissions reduction

4. Commercial + Humanitarian Flow

Commercial Fees

Full-rate PHC Service applied to Psaltry International & EPC contractors

10% Humanitarian Carve-Out

Supports TTGD EcoSociety schools, clinics, and rural mini-grid expansion

5. Next Steps

Introductory Session

Introductory session with Psaltry International operations and energy teams

Define 7-Day Scope

Define scope for initial 7-Day Review of microgrid performance & maintenance readiness

PHC Implementation

Develop full PHC governance framework for operational efficiency & future expansion phases