

Renováveis para Auto-consumo em Moçambique

Renewables
for Self-consumption
in Mozambique

30 de Novembro 2021

Evento Híbrido: Hotel Radisson - Maputo & Online



Financed Commercial & Industrial Solar – Mozambique



Justin Pengilly

Captive Power (Pty) Ltd

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Why Captive Power?

Professional Turnkey Service Provider

- **No upfront cost** to our client's for a financed solar solution
- One stop energy solution with ongoing support
- Strong relationships with leading EPC's, technology providers

Bespoke Energy Solutions to Meet Primary Client Needs

- Decrease Levelized Cost of Energy ("LCOE")
- Increase reliability of energy supply
- Sustainable forms of generation

Experienced Operator in New Sector

- Commissioned first private C&I solar PV + BESS facility in Mozambique
- APIEX approved
- Providing O&M and monitoring services to the Project

Seek Long Term Client Relationships

- Projects financed through 10-20 year agreements
- O&M contracts with supporting performance guarantees for the term of the Agreement
- Full accountability for delivering power to our clients so they can focus on primary operations

Track Record in Mozambique

- First financed solar plus BESS solution approved by the Mozambique Central Bank

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Off grid Island Lodge – Reducing CO² emissions by ~5,000kg / annum

400kWp plus 928kWh Tesla Powerpack facility:

- Designed to provide ~90% renewables for the operations
- Operational since September 2021
- Operations benefitted from over 2 consecutive days at 100% renewables penetration

Legacy gas generators powered the Lodge:

- Financed solution on a 15 year offtake agreement
- Savings of over 35% from historic forms of power generation



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Associação Moçambicana
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Tier-1 Equipment Selection

Tesla Powerpack



ABB Inverters



JA Solar PV Panels



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Captive Power Solutions – Align with.....

- Decreased Carbon Footprint:** reduced fossil fuel consumption reduces global carbon emissions
- Benefits to Local Ecosystem:** burning less diesel and natural gas minimizes the release of harmful and toxic fumes to the local environment, and also reduces the risk of spills associated with the current power supply
- Reduced Noise Pollution:** minimal generator usage creates a more enjoyable experience for guests with noiseless solar power generation
- Sustainable Resort:** sourcing most of the Resort's power with renewable energy enables significant marketing opportunities for eco-tourism
- Local Job Creation:** the project will directly employ 20 local Mozambicans during construction and operations
- Skills Transfer:** installation program provided solar and energy storage training to direct employees and the Client's local maintenance team

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