

EMESCO ENERGY

MODIFIED SINGLE BUYER – A VIEW FROM AN IPP

NICO KNIGHT
Country Director

emesco 



ABOUT EMESCO



Emesco is a full life-cycle, SAPP-enabled, vertically integrated renewable energy platform, building generation capacity in the SADC region with the aim to become a **leading private energy platform** in the region.

The company develops, implements, owns and operates utility-scale renewable projects to generate electricity for export to large-scale power users in the SADC region through the Southern Africa Power Pool (SAPP) and bilateral agreements.

TECHNOLOGY FOCUS

Solar & wind renewable energy generation including large scale battery storage.

TARGET MARKETS

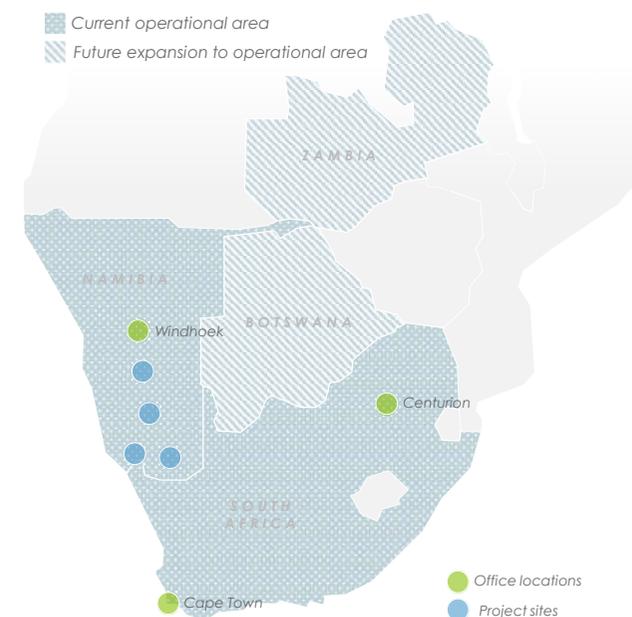
Across markets in the SADC, providing electricity to utility and large-scale power off-takers on a merchant and bilateral basis.

IMPACT

Emesco renewable energy projects provide:

- A reduction in energy costs to off-takers through the increased availability of renewable energy.
- Significant mitigation/offset of greenhouse gas emissions for off-takers and local communities.
- Socio-economic development and upliftment of local and regional communities.

FOOTPRINT



Namibian licensed electricity generator, exporter and conditional member of the Southern African Power Pool.



United Nations Climate Change

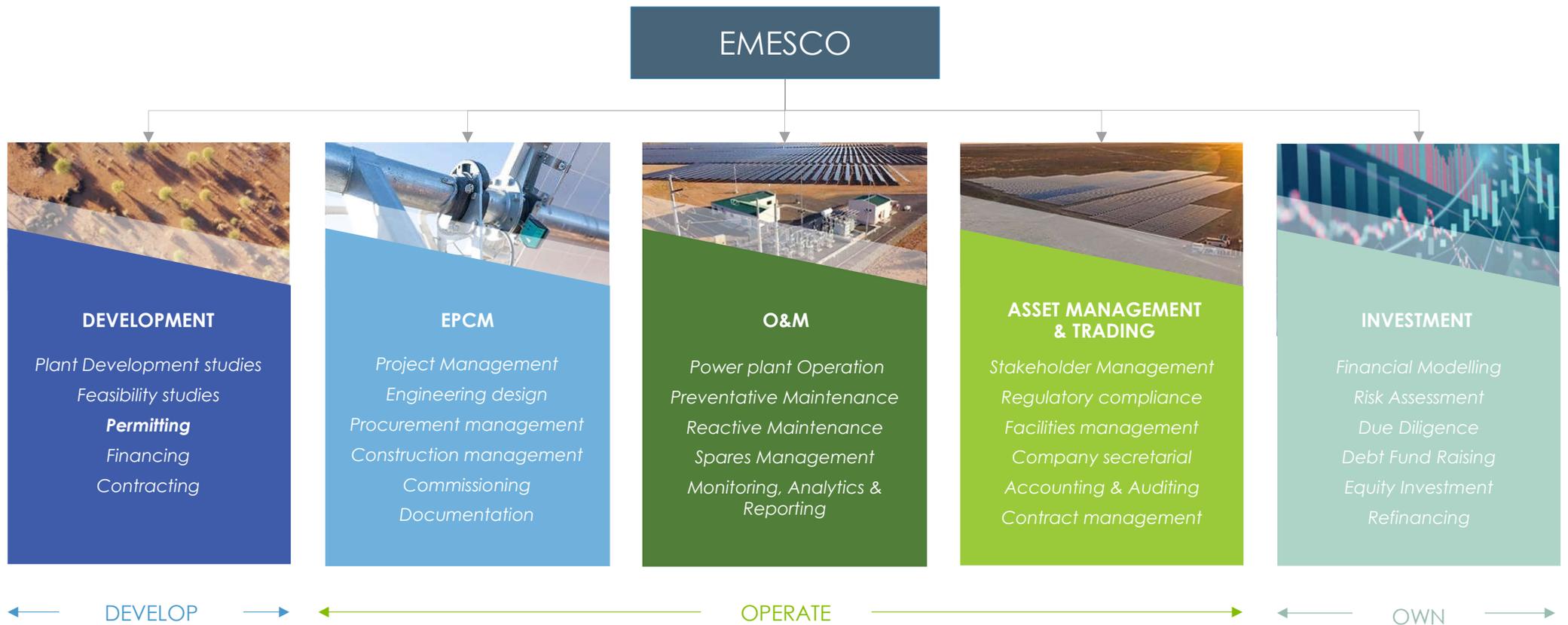
Identified and promoted as United Nations Climate Champions, Emesco projects have been featured at COP27 and COP28.



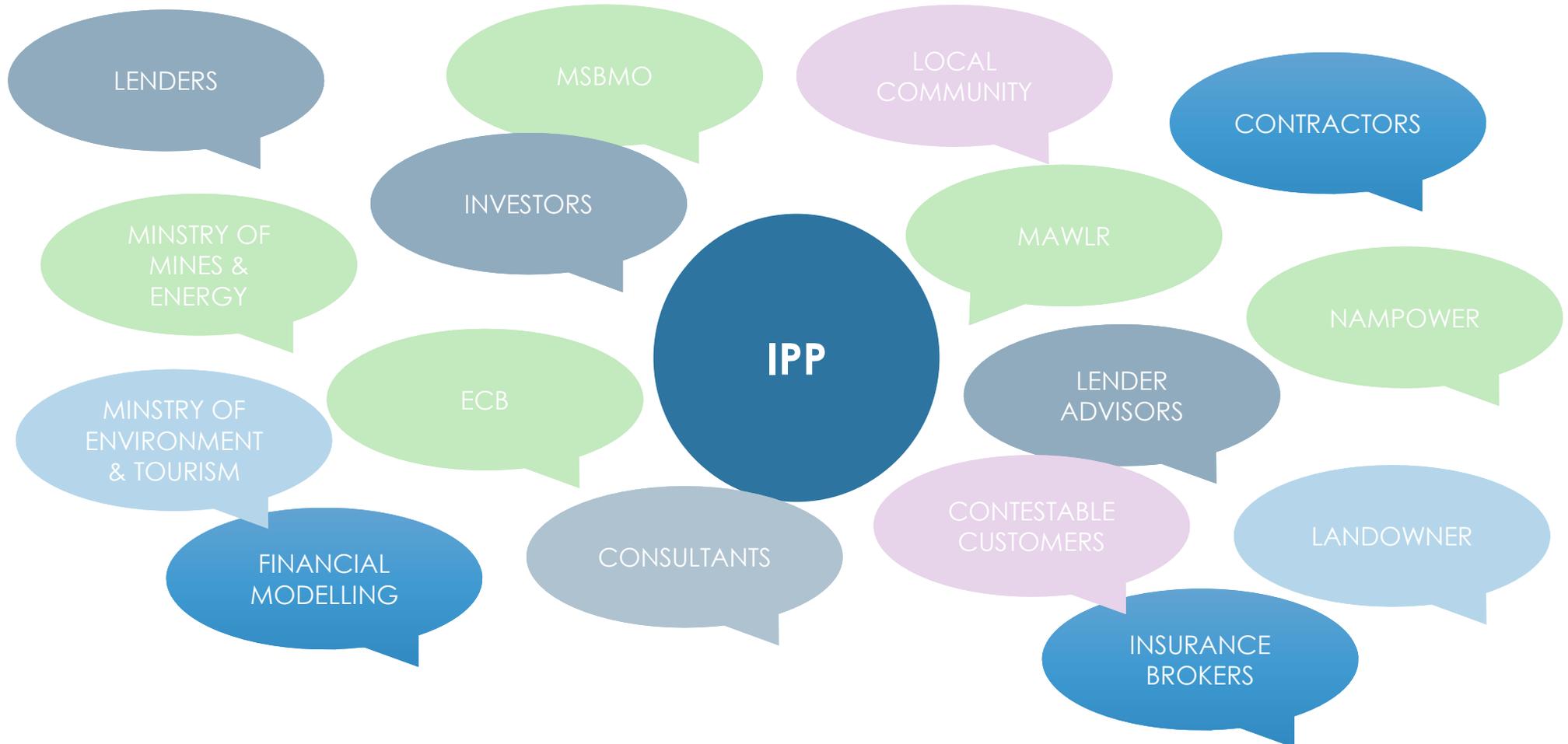
Emesco projects align to United Nations sustainable Development Goals



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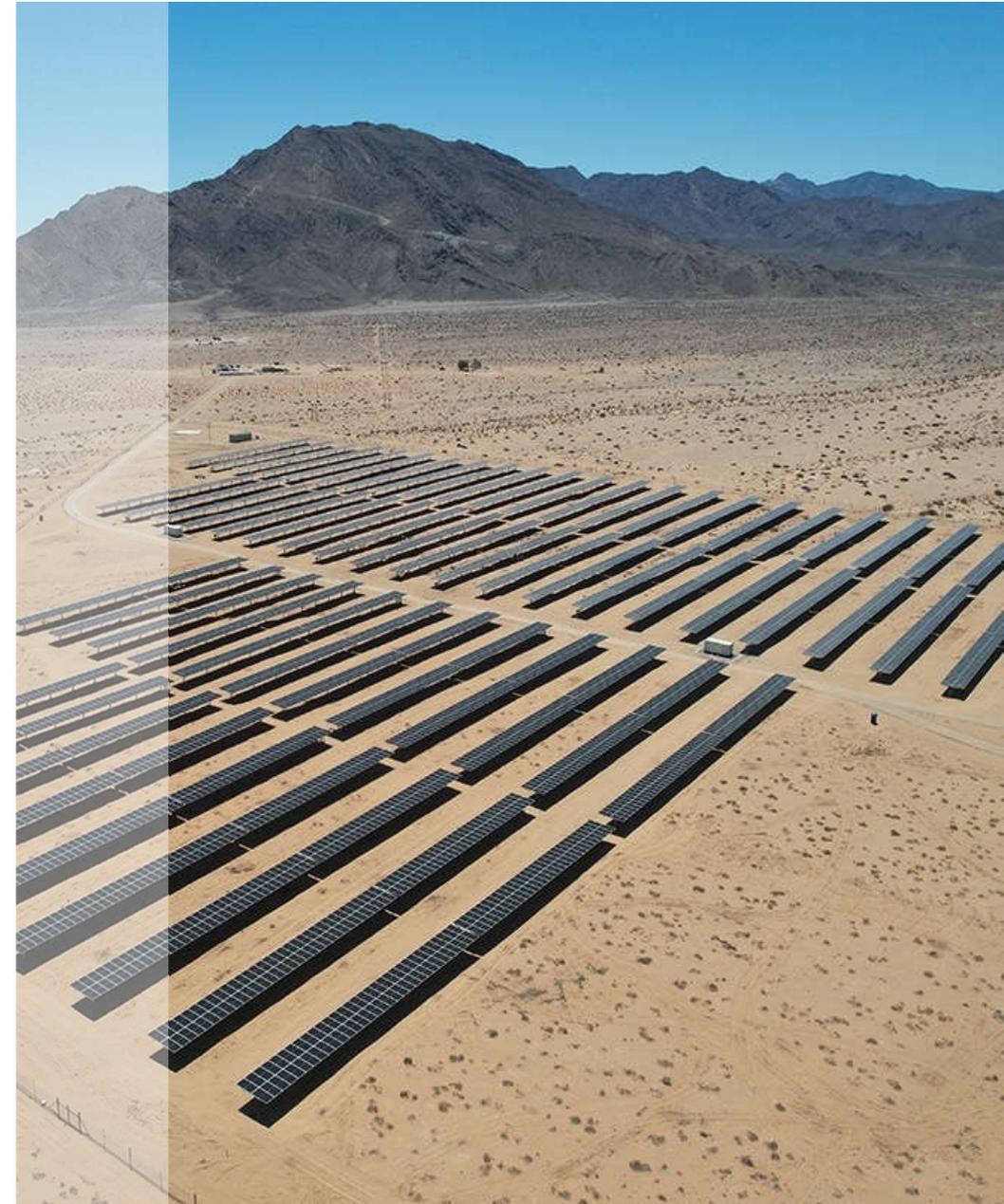
WHAT DOES PROJECT DEVELOPMENT ENTAIL



ROSH PINAH SOLAR PARK 1 & 2

STATUS: PHASE 1 OPERATIONAL
PHASE 2 DEVELOPMENT

	Phase 1	Phase 2
Location	Rosh Pinah, Namibia	
Substation	RPZC (Embedded), 11 kV	
Description	5.4 MWp Solar PV	11 MWp Solar PV
Land	Land lease for 80 ha	
Off-take	15-year PPA with Rosh Pinah Zinc Corporation	15-year PPA with Rosh Pinah Zinc Corporation incl. Roshkor
Operational date	Q2 2023	Q4 2026
Project Value	NAD 90 m	NAD 170 m
EPCM	Emesco Energy Namibia	
O&M	Emesco Energy Namibia	
Debt Provider	Development Bank of Namibia & Others	
Development funding	Emesco	
Development Status	<ul style="list-style-type: none"> • Land use consent granted • Registered land lease in place • Environmental Clearance Certificate received • Technical studies completed • Generation license amendment in progress Phase 2 	



CASE STUDY

ROSH PINAH SOLAR PARK



KEY SUCCESSES

- N\$260 mil investment
- Jobs Created:
 - 300 (Construction)
 - 5 (Operations)
- Co-Located Community Project
- Reduced the mine's cost of energy by **8%**.
 - Decrease in OPEX = Greater return for investors = Appetite to invest more (Mine Expansion) = **Greater Demand from NamPower** & MORE JOB CREATION
- Demonstrated the MSB works & strengthened investor confidence in the MSB.
- Forecasting – 98% Accuracy in the first year.



CASE STUDY

ROSH PINAH SOLAR PARK



OLD CHALLENGES

- Aligning Stakeholders
- Investor & Lender Confidence
 - Project Finance – Could not pass Commercial Lender legal due diligence – MSB was not promulgated & unavailability of agreements.
- Lengthy licensing process
 - MSB Registration (2 Months)
 - Generation Licence approved by the Minister (6 Months)
 - Connection Offer Letter (6 months – 12 months)

NEW & CONTINUED CHALLENGES

- Aligning Stakeholder (ECB & NamPower)
- Lengthy licencing process.
- Developing wheeled generation for MSB 1B (1MVA Contestable Customers) / Developing embedded generation within Distributor Areas.
- Process changes (New forms / details required)

“It is still new to us, and we are learning”

CASE STUDY

ROSH PINAH SOLAR PARK



SUGGESTIONS FOR IMPROVEMENTS

- Collective Communication / Representation
 - IPP – ECB – MSBMO – NamPower Tx
- Distributors should assist in the implementation of the MSB by actively engaging with NamPower.
- Generation Licence & NamPower Connection processes to run in parallel.

