

Melec Powergen/MP Energy Corporate Presentation

2023



CHRONOLOGY AND SUCCESS IN PROJECT DEVELOPMENT

Signature PPA Kounoune
Power 67.5 MW

Signature PPA Tobene
Power 70 MW

COD Thika Power 87 MW

COD Tobene I 70 MW and
II 105 MW

COD Malicounda Power
135 MW

2005

2011

2013

2016

2022

2008

2012

2015

2018

COD Kounoune Power
67.5 MW

Signature PPA Thika
Power 87 MW

Signature PPA KATT
Power

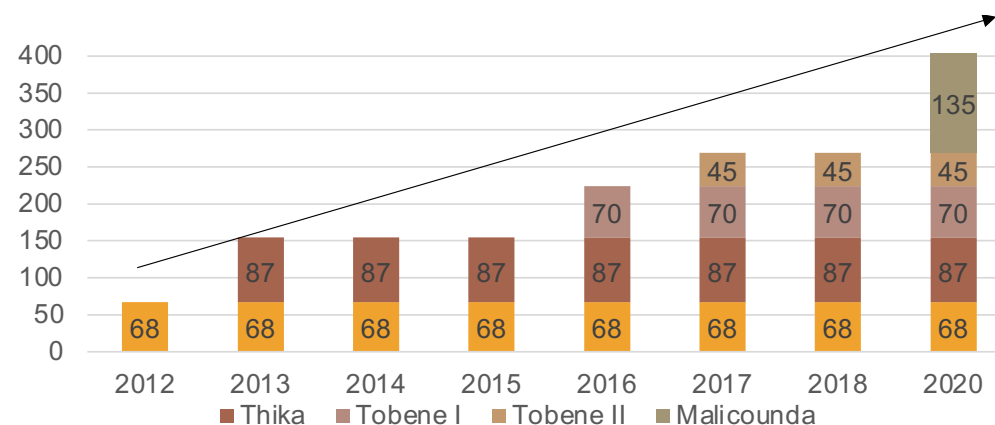
Signature PPA Malicounda
Power 120 MW

MP Energy

MP Energy, previously operating under the name Melec Powergen Inc., is a power generation platform focused on Sub-Saharan Africa. Created in 2005 and part of the Matelec Group, MPG/MP Energy has developed, built, and owned and operated 4 power generation assets.

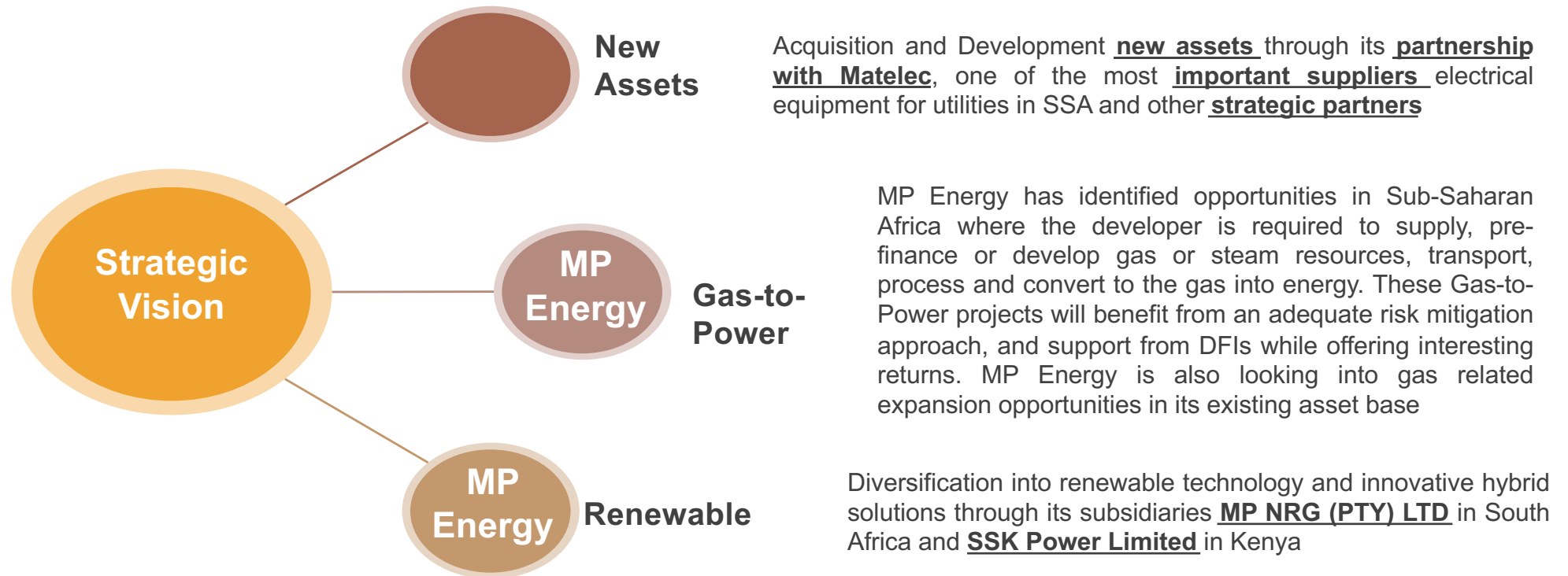
MP Energy seeks to capitalize on its experience to become one of the leading developers of IPP projects in sub-Saharan Africa and the region

CAGR
22%



STRATEGIC VISION

With five power plants in its portfolio, MP Energy is already “on the map” as a leading IPP developer in Sub-Saharan Africa. The goal of MP Energy is to become one of the largest IPP platforms in Sub Sahara Africa. MP Energy would achieve this goal by leveraging its competitive advantage including:



GROUP EXPERTISE



	Pre-development	Development	Construction	Operation
IPP Expertise	• Market analysis, feasibility studies • Bidding, direct agreements • PPA, project agreements drafting/negotiation	• Structuring the financing: raising debt and equity • Mitigating project risks - structuring security package • Drafting/negotiating EPC/O&M agreements • Drafting/negotiating the financing documentation • Technical, environmental and fiscal studies • Permits/licenses • Bringing the project to first disbursement	• Construction management • Planning • Logistics and custom clearance • Permits/licenses • Quality control • Warranty follow up	• Day to day management • Fuel purchase • Reporting to the lenders • Dealing with banks, offtakers, shareholders
EPC Expertise		• Analyzing tender requirement • Defining solution • Pre-engineering • Pricing • EPC contract negotiation	• Design • Procurement • Subcontracting • Construction • Testing and commissioning	• Warranty • Snag removal
O&M Expertise		• Analyzing requirements • Defining organization - setup - structure • Pricing • O&M contract negotiation	• Recruitment • Training • O&M procedures development • ERP/MMS implementation • Taking over from EPC contractor	• Operation • Maintenance • Plant performance/optimization improvement • Reporting



MP ENERGY PORTFOLIO



Kounoune Power Senegal

67.5 MW

Under Operation since 2008

HFO Plant
BOO 15 years

- Generating Units : 9 x KU30B Mitsubishi engines (7.5 MW each).
- EPC & O&M: MHI & Matelec for EPC; MHI for O&M.
- Financing: 70% long term loans (IFC, Proparco, ADB et la BOAD) and 30% equity (MPG).

2024



Thika Power Kenya

87 MW

Under Operation since 2013

Combined Cycle HFO Plant
BOO 20 years

- Generating Units : 5 x MAN Diesel engines 18V48/60B + 1 steam turbine.
- EPC & O&M: MPG/Matelec (Lead) and MAN EPC; MPG personnel for O&M.
- Financing: 75% long term loans (IFC, ADB, ABSA) and 25% equity (90% MPG and 10% African Energy Resources)

2034



Tobene Power Senegal

115 MW

Under Operation since 2016

Combined Cycle HFO Plant
(convertible to Gas)
BOO 20 years

- Generating Units : 6 x MAN Diesel engines 18V48/60B + 1 steam turbine.
- EPC & O&M: MPG /Matelec (Lead) and MAN EPC; MPG personnel for O&M.
- Financing: 75% long term loans (IFC, BOAD, FMO and EAIF) and 25% equity (90% MPG and 10% IFC).

2036



Malicounda Power Senegal

135 MW

Under Operation since 2022

Combined Cycle HFO Plant
(convertible to Gas)
BOOT 20 years

- Generating Units : 7x Wartsila Diesel engines 18V50 DF + 1 steam turbine.
- EPC & O&M: Matelec EPC; MPG personnel for O&M.
- Financing: 75% long term loans (AFDB and other DFIs) and 25% equity (55% MPG, 30% Africa 50, and 15% Senelec).

2042



Sirakoro Mali

100 MW

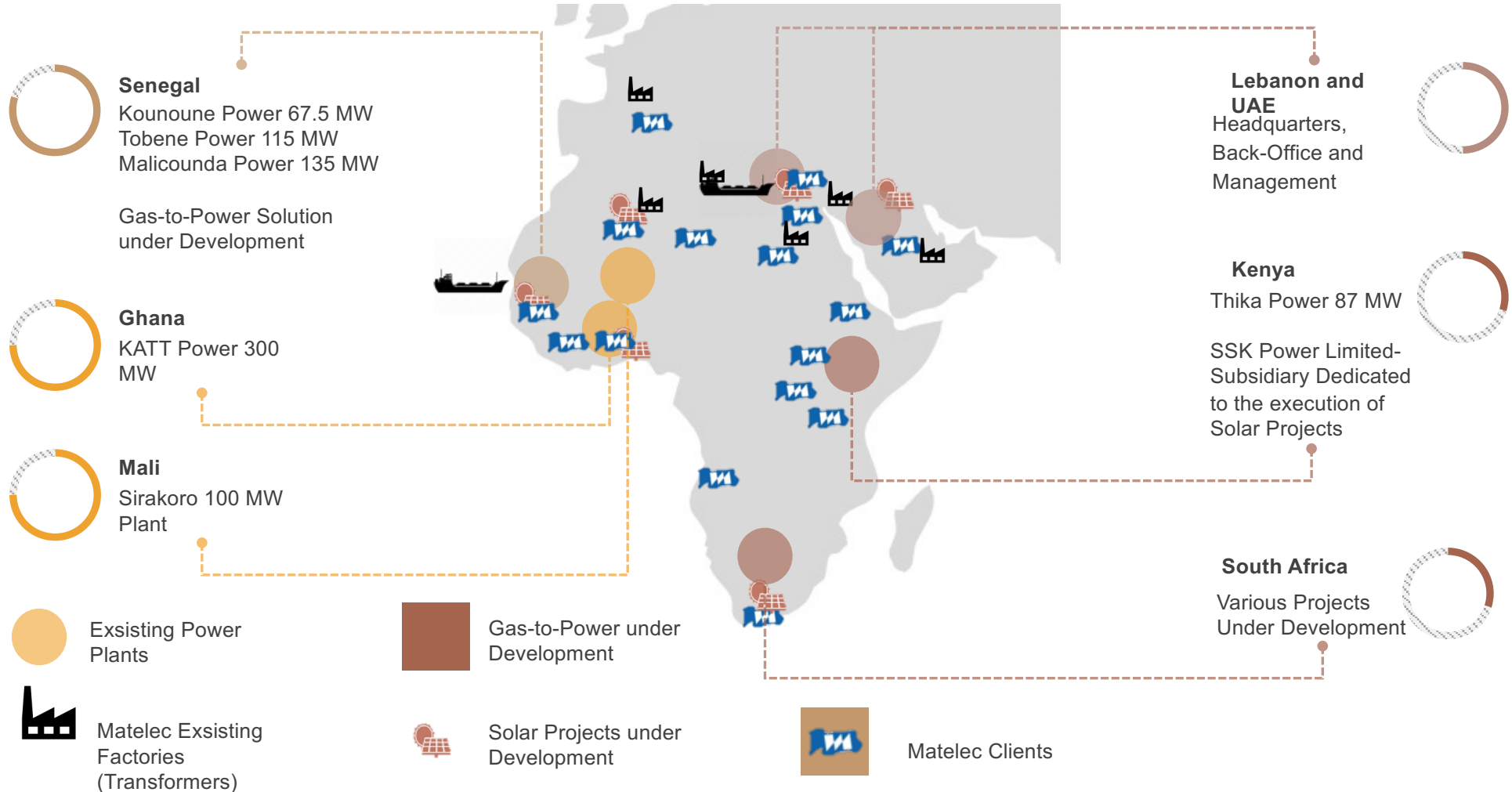
Under Construction

Open Cycle HFO Plant
O&M Support 2 years

- Generating Units : 8x MAN Diesel engines 14V51/60
- EPC & O&M: Matelec EPC; MP Energy personnel for O&M.
- Financing: BID

2023-2025

PRESENCE IN AFRICA



STRATEGIC PARTNERS

Over the years, MP Energy has developed strong strategic partnerships with key industry players

Technical

Financial

including equipment suppliers,
contractors, and first grade
financial institutions



MATELEC GROUP



MAN Diesel & Turbo



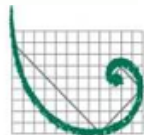
SIEMENS



MAN | PrimeServ



Simply a better different



HITACHI
Inspire the Next

ERM



International
Finance Corporation
WORLD BANK GROUP



Groupe Attijariwafa bank



BANQUE CENTRALE DES ETATS
DE L'AFRIQUE DE L'OUEST



Entrepreneurial
Development
Bank



for International Development



GRUPE AGENCE FRANÇAISE DE DÉVELOPPEMENT



STRATEGIC PARTNERSHIP WITH MATELEC

Background:

- ❖ Matelec SAL is a Lebanese group active in the manufacturing of electrical equipment (transformers, switchgears, control and protection panels, cables, etc.) and in EPC contracting. An affiliate of MPG and part of the EPC contractor consortium on Thika, Tobene and Kounoune, Matelec SAL has strong relationships with utilities across Africa, and brings value to MPG's development via an arms' length industrial partnership.
- ❖ Matelec SAL was founded in 1974 in Lebanon as a manufacturer of distribution transformers. The company has grown into a diversified global electricity business player, with more than 1,000 employees and 2 main lines of activities:
 - Industry (45% of group revenues): Matelec manufactures a broad range of high quality equipment, including cables, switchgears, package substations, control and protection systems, transformers and related power products.
 - Engineering and contracting (55% of group revenues): Matelec renders these services and executes purchase orders for electrical equipment needed in complex projects across HV, MV and LV.

Matelec On-Going Contracts in Africa



Matelec SAL is a global player and a leader in its line of business in Africa. The company has business relationships with utilities and private blue-chip companies in Algeria, Angola, Benin, Cameroun, Congo, Egypt, Ethiopia, Ghana, Ivory Coast, Kenya, Libya, Morocco, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Tanzania, Togo, and Uganda. One of the few transformer manufacturers in Arab countries, Matelec SAL has clients in Europe (including France, UK, Italy etc) and in the Middle East region (Jordan, Saudi Arabia, UAE etc).

Matelec SAL's main manufacturing facility is located in Lebanon. Through the acquisition of several factories, Matelec SAL has expanded its manufacturing capabilities and presence into countries in the Middle East, Africa, and Europe.

- ❖ Matelec is one of the largest providers of electrical equipment to African utilities having sold over €120 million in equipment and €350 million in completed projects in Africa over the past 5 years.
- ❖ These relationships have allowed Matelec to build trust and a credible reputation with African utilities
- ❖ Matelec's services to power plants include civil design and construction, site arrangements, electrical installations, security & HSE scope, supply etc.

MATELEC PORTFOLIO



**SWITCHGEAR MT
JUSQU'A 36KV**



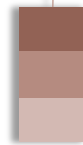
**PACKAGE
SUBSTATIONS UP
TO 36KV**



**MOBILE SUBSTATION
UP TO 63 MVA/220KV**
Executed over (200) HV/MV
mobile substations



EPC- POWER PLANTS
Executed (4) turnkey power plants
with 2 additional projects under
construction



**DISTRIBUTION
TRANSFORMERS**



**LV CONTROL AND
PROTECTION PANELS**

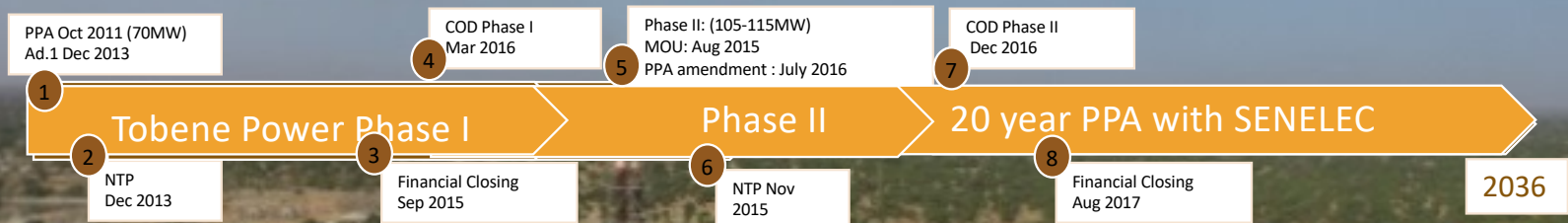


**POWER TRANSFORMERS
UP TO 120MVA/245KV**



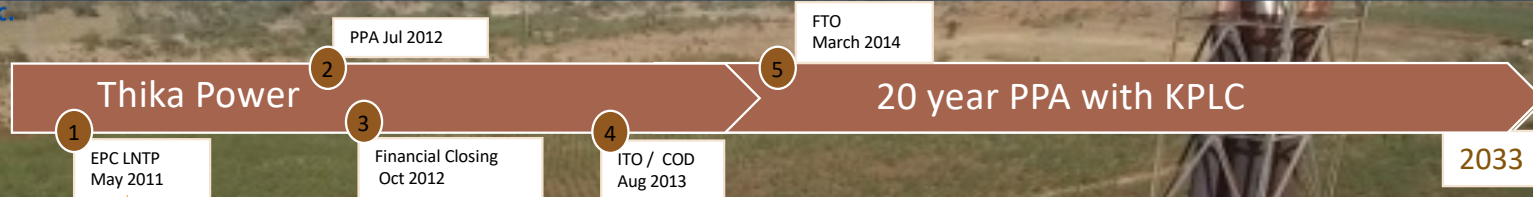
EPC-SUBSTATIONS
Executed over (60) HV and MV
turnkey substations up to 400
kV.





Tobene Power

- Contracted Capacity: 115MW i.e. 70MW in phase 1 and extension to 115MW in Phase II.
- COD: 03/2016 for Phase 1, 12/2016 for Phase II.
- Type: Diesel Combined cycle dual fuel, 20-year BOO.
- Technology: 6 MAN reciprocating diesel 18V48/60B engines + 1 steam turbine.
- EPC & O&M: MPG/Matelec (Consortium Leader) & MAN for EPC; MPG Personnel for O&M.
- Financing: 75% long-term loans (IFC, BOAD, FMO and EAIF) and 25% equity (MPG with 90% and IFC with 10%).
- Bridge Financing: 31Meur equity+ 23Meur bridge loan



Thika Power

- Capacity: 87MW
- COD: 08/2013- 3 months ahead of the contractual target date
- Type: Diesel Combined cycle HFO 20-year BOO.
- Technology: 5 MAN reciprocating diesel 18V48/60B engines + 1 steam turbine.
- EPC & O&M: MPG/Matelec (Consortium Leader) & MAN for EPC; MPG Personnel for O&M.
- Financing: 75% long-term loans (IFC, AfDB, ABSA Capital) and 25% equity (MPG with 90% and African Energy Resources PTE with 10%).
- Bridge Financing: 28Meur equity + 42Meur bridge loan

1 PPA
Feb 2005

Kounone Power

2 EPC LNTP
May 2005

3 Financial Closing
Dec 2006

4 COD
Jan 2008

15 year PPA with Senelec

2023

Bridge Financing

- Capacity: 67.5MW
- COD: 01/2008- 4 months ahead of contractual target date
- Type: HFO; 15-year BOO.
- Technology: 9 x KU30B Mitsubishi engines (7.5 MW each).
- EPC & O&M: MHI & Matelec for EPC; MHI for O&M.
- Financing: 70% long-term loans (IFC, Proparco, AfDB and BOAD) and 30% equity (MPG)
- Bridge Financing: 18Meur equity +30Meur bridge loan

Kounone Power

EPC, LNTF
Q1 2019

COD
August 2022

2042

Malicounda Power

20 year PPA with Senelec

1
PPA Jan 2018

3
ESIA
Q4 2018

- Contractual Capacity: 120MW (135 MW installed)
- COD: August 2022
- Type: Diesel Combined cycle HFO 20-year BOO convertible to gas.
- Technology: 7 Wartsila reciprocating diesel 18V50 DF engines + 1 steam turbine.
- EPC & O&M: Matelec for EPC; MPG Personnel for O&M.
- Financing: 75% long-term loans (AfDB, OPEC, BADEA, BOAD) and 25% equity (MPG with 55%, Africa 50 with 30% and Senelec with 15%)

Malicounda Power

EPC , LNTP
Q3 2021

COD
Expected in
Q2 2023

2025

Sirakoro 100 MW Plant

2 year O&M Support Agreement

1 EPC Signed

- Contractual Capacity: 100MW
- COD: Expected in Q2 2023 (first engine expected in March 2023)
- Type: Diesel open cycle HFO EPC + 2-year O&M Support
- Technology: 8 MAN reciprocating diesel 14V51/60 engines.
- EPC & O&M: Matelec for EPC; MP Energy Personnel for O&M Support.

Sirakoro Power Plant

MP ENERGY ADVANTAGES

- A successful track record in developing power assets in Africa.
- A proven ability to source and execute good quality investment opportunities in the continent.
- Excellent network of contacts among the key private partners (EPC, Fuel Suppliers, Advisors,.. etc.) that play an important role in project execution and that are active in Africa.



MP Energy

- A company already well structured, with a solid foundation to support future growth
- Competitive advantage compared to other developers and African thermal IPP operators which enables MPG/MP Energy to maintain low costs and complete projects in record time and on budget.
- Proven business model in the energy sector





MELEC POWERGEN Inc.

PIPELINE OF OVER 1500MW ACROSS TECHNOLOGIES



Country	Fuel	Size	Project Cost (Est.)	Technology	Status
Ghana	Dual fuel	300 MW	EUR 410M	Reciprocating Engines	PPA signed – permits obtained – awaiting PCOA
Burkina Faso	Dual fuel	100 MW	EUR 155M	Reciprocating Engines	Competitive bid: Project Awarded in 2018
Lebanon	Solar	100 MW + 70 MWH storage	EUR 150 M	PV+Battery	Tendering phase
Mauritania	HFO	30 MW	EUR 45 M	Reciprocating Engines	Tendering Phase
Mali	HFO	110 MW	EUR 100 M	Reciprocating Engines	Advanced discussions for O&M
Mozambique	Gas	50 MW	EUR 50 M	Reciprocating Engines	Tendering Phase
Cameroon	Gas	50 MW	EUR 70 M	Gas Turbines	Prequalification Phase
Senegal (Gas to Power)	Gas	120 MW + Gas storage Infra	EUR 320M	Gas Turbines	Advanced discussions with Senelec
Benin	Dual-Fuel	140 MW	EUR 130M	Reciprocating Engines	Project Awarded in 2021 and subsequently cancelled
Burkina Faso	Gas	50 MW	EUR 70 M	Reciprocating Engines	Prequalification
Iraq	HFO	100 MW		Reciprocating Engines	Limited to O&M- under Discussion
Gambia	Duel-Fuel	30 MW	EUR 40 M	Reciprocating Engines	Prequalified
Guinea	Hydro	60-70 MW	EUR 267M	Hydro Turbines	MOU signed– technical studies launched
South Africa- NAMA Solar West	Solar	75MW	EUR 100M	PV	Technical and E&S studies ongoing
South Africa- NAMA Solar East	Solar	75MW	EUR 100M	PV	Technical and E&S studies ongoing
Tchad	Solar + Battery	100 MW Solar + 10 MWh Battery Storage	EUR 120M	PV + Battery	PPA signed, advanced discussions with sponsors
Madagascar	Solar + Battery	2 x 20 MW Solar + 10 MWh Battery Storage	EUR 70M	PV + Battery	PPA signed, advanced discussions with sponsors
Guinea	Solar	2 x 15 MW Solar	EUR 60M	PV	PPA signed, advanced discussions with sponsors



Lebanon

MP Energy SAL

Regus, 7th Floor, Les Bureaux du Mall
Dbayeh Highway
Lebanon



Dubai

MP Energy Holding FZCO

DSO-IFZA, Dubai Digital Park building,
Dubai Silicon Oasis, Dubai, United Arab
Emirates



South Africa

MP NRG (PTY) LTD

33 Kingfisher Drive, Fourways Sandton
2191



Kenya

SSK Power Limited

P.O Box 13724, Westlands

CONTACT US



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