



# Mozambique

Gas & Energy Summit & Exhibition

27 – 28 September 2023

Maputo, Mozambique

## DRAFT PROGRAMME

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## 2023 SUMMIT MAIN FEATURES

- Global Leaders Panel
- Global Ministerial Panel
- 5<sup>th</sup> Mozambique Gas & Energy Industry Awards
- 3<sup>rd</sup> Mozambique Gas & Energy Success Stories
- 6<sup>th</sup> University Student Poster Contest
- Networking Roundtable Discussions
- SME Exhibition Showcase
- **NEW:** Leadership Roundtable
- **NEW:** Pre-Summit Masterclass
- **NEW:** Centre of Operational & technical Excellence Technical Seminar
- **NEW:** Local Content, Diversity, Equity and Inclusion (DEI) Forum
- **NEW:** Youth Programme

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## PRE-SUMMIT MASTERCLASS

### Tuesday 26<sup>th</sup> September



Fully **CPD accredited**, the pre-Congress Masterclasses will provide attendees with the necessary tools to apply to their day job, in addition to helping shape their organisation's business strategy, as well as providing the opportunity to start networking early.

**13.00 Registration & Networking** (venue TBC)

**13:30 Masterclass Session 1**

### Masterclass Programme

#### LNG and Local Content Fundamentals

##### Session 1: LNG Fundamentals

- The global gas, LNG and energy market in 2023 and beyond
- The prospects for long-term gas supply and demand
- How is the LNG business responding to the triple challenges of surging prices, energy transition and Ukraine?
- How much new liquefaction capacity is required over the 2020s, and how much will be built?
- Which markets will be the sources of demand growth?
- How are LNG trade flows changing, and what is the outlook for spot and short-term trading?
- Strategic priorities and options for energy suppliers/sellers and consumers /buyers
- How do Mozambique current and future energy projects fit into the global energy system?
- Implementing the gas and energy projects in Mozambique – project development – next phases and steps
- Gas & LNG legal, fiscal and commercial framework in Mozambique: building an enabling and attractive environment for energy investments in the country
- Practical project implementation: Overseeing the whole project from A to B
- Linking the energy production to distribution around the country

**15:00 Coffee Networking**

**15:30 Masterclass Session 2**

##### Session 2: Local Content Fundamentals

- What is the latest progress in National Content initiatives?
- How is National Content adding value to the economy and population?
- What are the current threats and opportunities to deliver a real national content policy in Mozambique?
- What is being implemented on the ground at the moment? What tenders have been made and what is the current status?
- What are international companies implementing to raise competition locally?
- Matching the needs of contractors to the current skills on offer: how can a balance be achieved?
- Local Content, Vendor, Procurement and Tender Strategies: How can National Companies harness the existing opportunities?

**17:00 Masterclass Ends**

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## SUMMIT DAY ONE

### Wednesday 27<sup>th</sup> September

**08:00** Welcome Coffee & Registration

**09:00** Official Opening Ceremony

**09:10** Welcome Address

**09:20** Host NOC Welcome Address Dr. Estevão Pale, Chairman, ENH

**09:20** Cabo Delgado Welcome Address Dr. Valige Tauabo, Governor, Cabo Delgado Province

**09:35** Ministerial Keynote Address H.E. Carlos Zacarias, Minister of Mineral Resources and Energy, Republic of Mozambique

**09:40** Presidential Keynote Address His Excellency Filipe Nyusi, President of the Republic of Mozambique

**10:00** OFFICIAL FAMILY PHOTO

Official Exhibition Opening & Presidential Tour & Coffee Networking

**10:45**

### Session 1 Global Leaders & Ministerial Panel: Global Markets Overview – Attracting Investment for the Next Phase of Energy Projects

- Geopolitics – the rising importance of new interplays post Ukraine War: US, China, Russia, Europe
- How is the current global situation shaping the markets and opening opportunities for Mozambique's energy projects
- Russia/Ukraine impact: challenges and opportunities in the energy's market realignment
- Energy security supply: how is Mozambique's gas and energy fulfilling the global and internal need
- Supplying gas, LNG and clean energy to the globe: the rise of Mozambique to become one of the biggest energy producers and suppliers
- How secure is the industry's assessment of its demand growth? Where do we see that growth centred?
- New markets for Mozambique's energy: highlighting where the biggest opportunities are
- Cooperation between Mozambique and other global energy countries: fostering deeper energy connections on sustainable energy production
- Gas and LNG to Power – how to overcome the national current challenges and open doors to new opportunities

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*Keynote Addresses:*

**Hon. Brad Crabtree**, Assistant Secretary, Office of Fossil Energy and Carbon Management, **US Department of Energy**

**Hon. January Makamba**, Minister of Energy, **Tanzania**

**H.E. Gilberto Pichetto Fratin**, Minister of Environment and Energy Security, **Italy**

**H.E. Agnès Pannier-Runacher**, Minister for Energy Transition, **France**

**Hon. Andrew Mitchell**, Minister for Africa, **United Kingdom**

*Speakers:*

**H.E. António Supeia**, Secretary of State, Cabo Delgado, **Republic of Mozambique**

**Dr. Estêvão Pale**, Chairman & CEO, **ENH**

**Eng. Nazário Bangalane**, President, **INP**

Senior Representative, **TotalEnergies**

Senior Representative, **SASOL**

Senior Representative, **ExxonMobil**

Senior Representative, **Qatar Energy**

Senior Representative, **Eni**

**Energy Deal Signature Ceremony**

12:00

**Session 2 New Projects and Business Models Shaping the Industry: Energy Security & Value Chain Integration**

- Energy security supply: how's Mozambique's gas and energy fulfilling the global and internal demand?
- Next phase in Mozambique's FLNG scaling up energy production
- New energy business models shaping the industry's future
- Is LNG under threat from the lower carbon footprint of pipeline gas supplies?
- Next phase in Mozambique's FLNG scaling up energy production
- Will decarbonisation uncertainty affect investment decisions in the period 2020-2030?
- Valuing LNG and energy projects: Will more stringent targets make it harder for LNG projects to attain bank financing?
- Successful experiences from an LNG offtaker: BP Case study
- What are companies doing to minimise their greenhouse gas footprint across the value chain?
- How is energy management technology in the context of decarbonisation being as efficient as possible?
- Can learning from the LNG industry help shape international trade in hydrogen?

*Speakers:*

**Pascoal Mocumbi**, Executive Director and Member of the Board, Commercial and New Business, **ENH**

Senior Representative, **Technip Energies**

**Michael Sisson**, Senior LNG Originator, Trading and Shipping, **BP Gas Marketing Limited**

**Hrvoje Krhen**, Managing Director, **LNG Croatia**

Senior Representative, **Schneider Electric**

Senior Representative, **Samsung Heavy Industries**

**13:00 Networking Lunch**

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## MOZAMBIQUE SUCCESS STORY

The Mozambique Gas & Energy Summit has been a strong opportunities advocate for students, young professionals and entrepreneurs who are all Mozambique's future. This format, inspired by the globally renowned TED Talks, will be returning to the Summit. We will hear success stories from across Africa, learning their stories, being inspired by the experiences on how they seized the opportunities, overcame significant challenges, and attained success to the highest standard in the energy sector.

### Session 3 Latest Innovations and Energy Technology Solutions: Leading the Industry Forward

- How can new technologies accelerate Mozambique's transition into a low carbon economy?
- What new technology advancements can we expect soon?
- Latest innovations in energy exploration and production
- Latest technology updated: Green and Blue Hydrogen; Green Ammonia
- Wind, solar and electrolysis options for Mozambique's energy transformation
- Current trends in design
- Through the eyes of the EPC cost: Where is the new "sweet spot" in size/design to deliver the lowest unit cost?
- How much more cost optimisation is there for new liquefaction?
- Can technology provide the answers to the cost challenge? Current trends in design
- Onshore terminals advancements:
  - Increasing land-based terminal utilization
  - Next generations of FLNGs
  - How are terminals modernizing their services to open up new markets?
    - Small-scale LNG, bunkering

#### *Suggested Speakers:*

**Eng. Abdul Nafio**, Executive Director and Member of the Board, Engineering and Project Development, **ENH**

**Alessandro Pulliti**, CEO, **SAIPEM**

**Shannon Slocum**, President Eastern Hemisphere, **Halliburton**

**Mohammed Mohaisen**, President & CEO, Middle East, North Africa, Turkey & Central Asia, **Honeywell**

**Sabine Dall'Omo** Chief Executive Officer Siemens Southern and Eastern Africa, **Siemens**

**Paul Foley**, Managing Director, **WBHO**

Senior Representative, Schlumberger

#### 15:15 Networking Coffee

### Session 4 Project Financing: New Structures and Innovative Strategies Supporting Energy Project Expansion

- What are the current Government strategies to attract investment to Mozambique's gas and energy industry? Where are we currently?
- Recent trends in raising finance for projects: Where do we go next on risk and value sharing?
- Are the rules going to adapt and change to suit changing commercial considerations?
  - If so gradually or a step change?
- The outlook for financing new energy projects and compliance with green

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- Financing the next phase of LNG and energy mega projects in Mozambique: the current and future outlook
- Financing local businesses: what has improved so far to provide opportunities to local businesses and what else can be done to support?
- Will the banks accept shorter term SPAs to launch FIDs?

Speakers:

**H.E. Ernesto Max Tonela**, Minister of Economy and Finance, **Republic of Mozambique**

**Dra. Luisa Diogo**, Chairman, **ABSA Bank**

**Paul Eardley Taylor**, Oil & Gas Lead, **Standard Bank**

Senior Representative, **World Bank**

Senior Speaker, **Société Generale**

Senior Representative, **DBSA**

Senior Representative, **BCI**

### Local Content Fireside Chat: Creating a Sound Local Content Framework – Successful Lessons from Nigeria and around the World

Speaker:

**Eng. Simbi Wabote**, Executive Secretary, **Nigerian Content Monitoring Development Board**

### Session 5 Diversity, Equity and Inclusivity (DEI) Spotlight Session: Cooperation and Collaboration for a Fair, Inclusive and Just Energy Sector

- Boosting Female Leadership: a necessary requirement for a more successful industry
- STEM and capacity building
- Fostering energy industry expertise and mentorship: creating the right ecosystem for Mozambicans to thrive
- Equal representation and opportunities in the energy sector
- Youth development: promoting and developing the leaders of the future
- Knowledge and capacity building growth: gaps and opportunities
- Speed coaching initiatives in the sector
- MGES Youth & SME Programme

*Suggested Speakers:*

**H.E. Nyeleti Mondlane**, Minister of Gender, Children and Social Action, **Mozambique**

**H.E. Graça Machel**, Founder, **Graça Machel Trust**

Senior Representative, **ANEP**

Senior Representative, **Mozambique Women in Energy**

**Denise Mannix**, Co – Founder and CEO, **Lean In Foundation**

Senior Representative, **Ascending**

### 6th University Poster Contest Award

### 5<sup>th</sup> MOZAMBIQUE GAS & ENERGY INDUSTRY AWARDS

- International Company of the Year
- Mozambican Company of the Year
- Inspirational Mozambican Woman of the Year

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17:45 Summit Day One Close

## SUMMIT DAY TWO

Thursday 28<sup>th</sup> September

08:00 Welcome Networking Coffee

09:00 Ambassador Keynote Address

Ambassador Peter Hendrick Vrooman, US Ambassador to the Republic of Mozambique

### Session 6 Gas, Energy & Renewables: Working Together Towards Decarbonisation & Energy Transition

- What are companies doing to minimise their greenhouse gas footprint across the value chain?
- How is energy management technology in the context of decarbonisation being as efficient as possible?
- Will decarbonisation uncertainty affect investment decisions in the period 2020-2030?
- CCS – has it finally come of age and how could it relate to LNG?
- Are we prepared for a more stringent change in climate change laws? What do we need to be prepared?
- How could the carbon footprint of LNG be assessed and certified in a robust and auditable way?
- Exploring the relationship and potential synergies between gas and renewable energy
- What role does natural gas play in regards to providing critical support to more variable renewable resources?
- What are the economic drivers for using natural gas as a backup fuel to renewables in power generation?
- Trends in land mining activities in autonomy tools, innovation and robotics tools
- How is natural gas boosting the renewable energy industry and allowing further penetration of electricity markets?
- Exploring the role of natural gas in reducing carbon emissions by replacing coal and fuel oil
- Understanding the opportunities that hybrid technologies provide to renewables and gas collaboration
- Innovative carbon management solutions: options, plans and timelines
- What can policy makers do in order to support future synergies between the gas and renewables sectors?

#### *Suggested Speakers:*

**Hon. Ivete Maibase**, Minister of Earth and Environment, **Republic of Mozambique**

**Marcelina Mataveia**, National Energy Director, **MIREME**

**Olga Utchavo Madeira**, Director of Renewable Energy, **EDM**

**Tomás Matola**, Chairman, **Hidroeléctrica Cahora Bassa**

**Taciana Peão Lopes**, Managing Director, **TPLA**

**Carlos Yum**, Managing Director, **Mphanda Nkuwa Hydroelectric Project Implementation Office (GMNK)**  
Senior Representative, ENH – Technip

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Senior Representative, African Development Bank  
Senior Representative, Gigajoule

### 11:00 Networking Coffee

## Session 7 Power Generation & Energy Transportation Solutions: Projects, Grids, Pipelines, Maritime

- Mozambique's transportation and infrastructure project plans and timelines
- Transportation projects updates: roads, bridges, ports, railways, pipelines
- Infrastructure linkages between energy projects, industries, urban centres and rural areas: ensuring a unified development in country
- Pipelines and cross border transmission lines: creating a regional power market
- New Export terminals: the need for sellers to be involved with the financing to secure the demand
- Mozambique's options for further FLNGs: creating a global market for Mozambique's gas
- Can Mozambique terminals be repurposed/redesigned for hydrogen?
- Potential for LNG to Power projects
- Maritime and Marine Sector Spotlight: A critical look at this evolving industry and where Mozambique projects fit
- The struggles of the marine business and particularly cruise liners during Covid-19. What will be the impact on gas and LNG as a fuel demand?
- Power transmission in Mozambique and East Africa: national and regional power grids boost
- What is the impact of the recent trend towards flexibility on the attitude of lenders to project financing of small-scale energy projects?
- What innovations in trading patterns and logistical swaps do we foresee?
- Will we see some major changes in the renewal of ships with more modern tonnage?

Suggested Speakers:

**Eng. Marcelino Gildo Alberto**, Chairman of the Board, **EDM**

**Paulo da Graça**, Chairman, **ARENE**

**Eng Stephen Dihwa**, Coordination Centre Executive Director, **Southern Africa Power Pool**

**John Smelcer**, Managing Director, Business Development, Head of Southern Africa, **Globeleq**

Senior Representative, **Wison**

Senior Representative, **GTT**

### 12:30 MOZAMBIQUE SUCCESS STORY

The Mozambique Gas & Energy Summit has been a strong opportunities advocate for students, young professionals and entrepreneurs who are all Mozambique's future. This format, inspired by the globally renowned TED Talks, will be returning to the Summit. We will hear success stories from across Africa, learning their stories, being inspired by their experiences on how they seized opportunities, overcame significant challenges and attained success to the highest standard in the energy sector.

### 12:45 Networking Lunch

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### Session 8 – Communities Access to Clean Energy in Mozambique and the Region: How can Mozambique Become Climate and Energy Resilient?

- Utilising Mozambique's natural resources to boost internal and regional energy security
- LNG and Energy Bunkering: what is its role in meeting carbon emission targets?
- How can Mozambique store energy and utilize it wisely for industrial development and critical challenges flaring up
- Climate Change Strategies: Complying with global greenhouse emissions management
- Mozambique becoming energy and climate resilient: harnessing natural resources potential whilst complying with environmental considerations and necessities
- Off grid power projects: clean energy for all Mozambican Communities
- Becoming Climate Change proof and secure: what needs to be done? How can Government and private sector work together towards climate resilience?

#### Speakers:

**João Buchili**, Administrator Palma District, **Cabo Delgado Province**  
**Tony Blair**, Executive Chairman, **Tony Blair Institute for Global Change**  
**Manuela Rebelo**, Chairman, **FUNAE**  
 Senior Representative, MIREME

### Session 9 – Downstream & Domestic Gas Sector Spotlight: Adding Value and Expanding Industrial Clusters

- Creating a domestic gas market and utilising this resource to boost economic growth
- Downstream opportunities and upcoming projects in Mozambique
- Oil & gas distribution and regional integration: Mozambique as the oil and gas hub in the region
- Infrastructure development: creating value nationally, regionally and locally
- Critical opportunities in LPG, CNG and other key strategic areas: projects, timelines and next steps
- Downstream sector evolution in Mozambique: refining, petrochemicals, oil and gas transportation
- Hydrogen, ammonia, fertilizers production: building an industrial national cluster in the sector
- Critical industrial sectors expansion: the need for reliable and clean energy sources
- Creating jobs and adding value in country

#### Speakers:

**Hon. Silvino Augusto José Moreno**, Minister of Industry and Commerce, **Republic of Mozambique**  
**Dr. Inocência Macuvule**, Director, **INP**  
**Acácio Langa**, Marketing Director, **ENH**  
**Hélder Chambisse**, Chairman, **Petromoc**  
**Samuel Samo Gudo**, CEO, **MOZAL**  
 Senior Representative, Puma Energy



## Session 10 – Networking Industry-Led Roundtable Discussions

MGES is committed to fostering in-depth discussions and promoting networking opportunities. Participants will engage in practical roundtable discussions in a relaxed and informal environment. Each table will be led by an industry expert to delve into Mozambique's hot energy sector topics. Participants will be able to discuss key topics, exchange business cards, forge partnerships and have the opportunity to sit at two different 30-minute roundtable sessions of their choice.

**Table 1** – LNG Project Implementation and Developments

**Table 2** – Vendor, Procurement and Tenders: Winning Successful Contracts!

**Table 3** – Macro and Micro Financing: the Role of Banks in the Energy Sector

**Table 4** – Boosting Mozambique's Climate Resilience: Fighting Climate Change

**Table 5** – Mozambique's Minerals Powering the Global Energy Transition

**Table 6** – Energy Exploration and Production: Opportunities and Challenges Ahead

**Table 7** – Fostering Entrepreneurship and Creating Start Ups in the Energy Sector

**Table 8** – Energy Security Strategies for Mozambique

**Table 9** – Energy Technology Advancement

## Energy Fireside Chat: New Oil & Gas Exploration & Production - Opportunities Ahead and Industry Prospects

### Speaker:

**Rudêncio Morais**, Executive Director and Member of the Board, Exploration and Production, ENH

**18:00 Summit Wrap Up and Conclusions**

**18:15 End of Summit DAY 2**