



**MOZAMBIQUE
GAS & POWER**

Maputo
8-9 March 2021

**CONFERENCE
& EXHIBITION**

CONFERENCE PROGRAM



Produced by
Africa Oil & Power and the
African Energy Chamber,
in partnership with the public
and private sector.

Leveraging
LNG: Building
a Prosperous
Mozambique

ATTITUDE*



African Energy Chamber



AFRICA
OIL&POWER



MOZAMBIQUE
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Conference & Exhibition
MAPUTO, 2021

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Mozambique is well on its way to becoming a global energy powerhouse and is expected to become among the top ten biggest Liquefied Natural Gas (LNG) suppliers globally.

The Southern African nation, which has over 125 trillion cubic feet (tcf) of proven natural gas reserves, has been touted as the world's next great LNG player. Not taking a chance, Mozambique is making full use of its potential, launching projects, steadily increasing gas production, downstream diversification and developing favorable business conditions required to rival the globe's top LNG producers.

Mozambique Gas & Power 2021 is built around this. It is focused on delivering value and opportunities in the Energy sector, as well as critical knowledge sharing and problem-solving and mitigating future challenges to come, as Mozambique embarks on its quest for **global LNG dominance, gas production and downstream diversification**.

By Q4 of 2020, Mozambique will achieve 30 mmtpa of LNG coming on stream. This brings its production capacity equal to that of Nigeria and Algeria, guaranteeing its objectives of being a global LNG powerhouse.

Mozambique is expected to target markets across the Asian Pacific region including China, Japan and South Korea, as well as various European countries. Global demand for LNG is only set to rise globally.



**MOZAMBIQUE
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MONDAY 8 MARCH
DAY 1

07:30 - 08:45

Collect your pass, grab a cup of coffee, and join a mentor and your peers for Keynotes!

**WOMEN IN
ENERGY**

Empowering a new generation of female leadership in Mozambique through education opportunities and local capacity building

**Networking
Breakfast**

Recognising and building opportunities for women in energy in research, leadership, government and field positions

Embracing the voices of local Mozambican leaders, as women are heavily impacted by uses of energy and energy availability

9:00 - 10:00

AOP MOZAMBIQUE OFFICIAL OPENING CEREMONY

10:00 - 10:20

**DIGNITARY
OPENING
SPEECH**

**Leveraging LNG
to Build a Prosperous,
Diverse and
Self-Sufficient
Mozambique**

10:20 - 11:20

Regional Cooperation in Gas, Power and Local Content

**MINISTERIAL
PANEL**

Oil and Gas projects are capital intensive and technical in nature. In order to ensure continuous investment and operational sustainability, regional cooperation and local content are key essential catalysts in today's world to make this a success story.

Oil and gas companies are now considering massive labor resources locally in view of COVID 19 and other pandemics in future: What is being put in place to align objectives in your respective countries to make this a success?

The importance of the African Continental Free Trade Area cannot be overstated enough. This is Africa's trade game-changer- What are some of the strategies in place from your respective countries to increase collaboration and spur critical progress while creating opportunities to empower domestic capacities and delivering a true African success story?

11:20 - 11:35

Coffee Break and Networking

11:35 - 11:45

**KEYNOTE
ADDRESS**

Lighting Up Mozambique
The Path to Universal Power Access

11:45 - 12:45 **Powering Mozambique**
Opportunities and Challenges in Electricity Generation & Transmission

**PANEL
DISCUSSION**

Mozambique's current energy access rate stands at just 29%, with only 15% of rural Mozambicans having access to electricity. Mozambique has ambitious goals, aiming to provide electricity for 50% of the population by 2023. Gas-to-power is sure to play a key role in this rapid development of electricity generation.

What are the obstacles in building gas-to-power plants in Mozambique?
How can these be mitigated?

How are power subsidies impacting the financial viability of these plans?
How competitive is gas-to-power in pricing schemes?

What tariffs and other policies need to be deployed to ensure Mozambique has adequate power generation?

13:45 - 15:00 Lunch Break and Networking

15:00 - 16:15 **Local Content is the Way Forward**
The roadmap in transitioning a vision to reality

**PANEL
DISCUSSION**

The LNG project for Area 1 has an estimate of US\$2bn for local content spent, and Area 4 has US\$3bn. Sponsors will work with local companies in Mozambique, but questions remain on the best path forward for ensuring training and creating an enabling environment for Mozambican service companies to thrive.

Advancing the competitive faculty and aptitude of homegrown Mozambican skill force through critical knowledge transfer and training: What is in place?

Aiming to open many more doors and promote opportunistic business inclusiveness for the locals and equip them with the skills to manage and operate through the entire value chain: What is being done?

Every process needs to be reviewed: What tracking is in place to see how Mozambique is advancing with local content, from infrastructure growth to financial content?

16:15 - 17:15 **Competing for Funds Post-COVID**
Financing LNG & Mozambique's Upstream

**PANEL
DISCUSSION**

Future investment and financing will be highly dependent on the oil and gas price outlook. Competition for financing in Africa's oil and gas space was already fierce, even before COVID-19 turned the global financial markets upside down and inside out. Now more than ever, it is paramount that Mozambique remains attractive.

Given the current market dynamics, what is the outlook for Mozambique gas?
How will financing be impacted by new demand projections and increased risk?

What LNG buyers are still at the table and what are they willing to pay?

Which international players are still in the market for gas projects? How can various forms of financing — from development banks and EXIM banks to private equity —work together to get mega projects off the ground?

16:15 - 17:15 Cocktail and Reception



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MONDAY 9 MARCH
DAY 2

07:30 - 08:45

Interviews: **Creating one voice for Mozambique through Vision, Mission and Innovation**

**MOZAMBICANS
IN ENERGY**

Who is looking at the future of Mozambique? What are the roadmaps to making the transition a success story?

**Networking
Breakfast**

Taking advantage of the range of opportunities for Mozambican SMEs to leverage on the growth in the oil and gas sector

The importance of training and development for Mozambicans and what still needs to be done to bring up the next generation of skilled workers

The need for financing opportunities for Mozambican SMEs

9:00 -09:15

Building a momentum and delivering success

**OPENING
PRESENTATION**

A Macro View of Global Gas Markets

How has COVID-19 impacted the global LNG market and pricing?

What is the future role of Mozambique as an international player in the gas market?

9:15 -10:30

**Exploration & Production in Mozambique Post-COVID-19
Opportunities and Pitfalls**

**PANEL
DISCUSSION**

COVID-19 has altered the face of the oil and gas industry for years to come and Mozambique was not spared from the global fallout. Projects have been cancelled; financing is more competitive than ever. Getting projects off the ground in a post-COVID world faces new, unforeseen challenges.

Demand for LNG is falling, with critics arguing the market is over supplied. How can Mozambique capitalise on projections for future demand to develop its gas now?

For the projects that are moving forward, what makes them competitive? Can -- and if so, how -- can these deals be replicated?

What challenges is Mozambique facing to get projects through development during COVID-19? Has COVID-19 created or highlighted any previously unknown advantages or opportunities?

10:15 - 11:15 **Leveraging Gas in Agriculture**
Natural Gas and Energy in Agriculture Production

**PANEL
DISCUSSION**

GDP growth has been largely driven by agriculture growth, and the country's northern region has lush agriculture opportunities. Natural gas is a vital resource for the development of agriculture, from fertilizer to use in power generation and electrification, both of which can transform Mozambique's agriculture capacity.

What projects need to be prioritized for natural gas to improve the country's agriculture production?

What investment and policy decisions need to be taken now, to ensure that agriculture remains a top priority even after gas production begins?

How can the development of petrochemicals and fertilizer prompt further economic progress?

11:30 - 11:45 Coffee Break and Networking

11:45 - 12:15 **Strengthening Community: Cabo Delgado in the Oil and Gas Sector**

AOP TALK

The Cabo Delgado province will house the vast majority of Mozambique's gas infrastructure, yet rising insurgencies and resentment from the community paint a broader issue: How can the people of Cabo Delgado participate in and strengthen Mozambique's gas-driven future?

12:15 - 13:15 **Proactive defense and offensive security measures for the protection of LNG critical infrastructure in Mozambique**

**PANEL
DISCUSSION**

The continuous protection of LNG critical infrastructure from pipelines, offshore rigs, oil tankers and gas fields are crucial to the performance of the sector in Mozambique, but security in recent years is becoming a more relevant issue in Mozambique, as the value of projects increases and actions of insurgency increase.

What are the results of vulnerability assessments? How can risk-based protection programmes, designed to deter and mitigate against attacks in Cabo Delgado, best be implemented?

How can human capacity and communities be considered in issues of security, including in CSR programs and skills building?

What do advanced cyber attacks and the recent outbreaks in Mozambique mean for the oil and gas industry?

13:15 - 14:30 Lunch Break and Networking

14:30 - 15:45 **The Role of Renewable Energy in Reducing Inequalities in Power Development**

PANEL DISCUSSION

Hydropower currently makes up the vast majority of Mozambique's power capacity, representing 81% of installed capacity. But renewable energy represents a rapidly growing sector in Mozambique. Renewable energy represents an incredible opportunity to boost power capacity, and reach rural, off-grid communities.

How can renewables help reduce the Inequalities of power development in Mozambique?

How competitive is renewable energy in Mozambique, compared to hydro or other sources? What are the pricing challenges for renewable energy?

What specific challenges are renewable, smart-grid and off-grid technologies able to address in Mozambique? With a lack of transmission capacity, what is the potential for off-grid solutions (such as solar), to power rural Mozambique's energy growth and improve quality of life in rural areas?

15:45 - 16:45 **Women in Energy: Why the time is right for Mozambique to capitalise on its biggest assets**

PANEL DISCUSSION

Building and developing an agile, competent, and diverse workforce of the future starts today, and will require adapting to rapid changes in the oil and gas sector. It is vital to understand what some of the contributing factors from women in energy are who occupy major roles in the industry.

Why does the energy sector need to capitalise on its female workforce and invest in mentoring, sponsoring, and upgrading their skillsets?

What is the role of men in advancing women within the energy sector?

Why it is time to share responsibility and create changes

16:45 - 17:45 **Downstream**
A Focus on Refining and Gas Processing

PANEL DISCUSSION

Mozambique's incredible natural gas reserves have the power to transform the national economy. LNG exports are set to drive economic growth, and gas processing will create new jobs, spur economic diversity and build resilient communities.

What are the challenges to building up Mozambique's downstream and midstream capacity? What infrastructure should be prioritized to make downstream dreams a reality?

What is the potential for regional cooperation and trade in terms of gas processing?

What are the next steps for the Mozambique refinery? How can this project increase the country's energy security?

17:45 Closing Remarks

18:00 - 20:00 **Gala Dinner & Awards Ceremony**



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MONDAY 10 MARCH
DAY 3

**PROPOSED
UPSTREAM
PROJECT
HIGHLIGHTS**

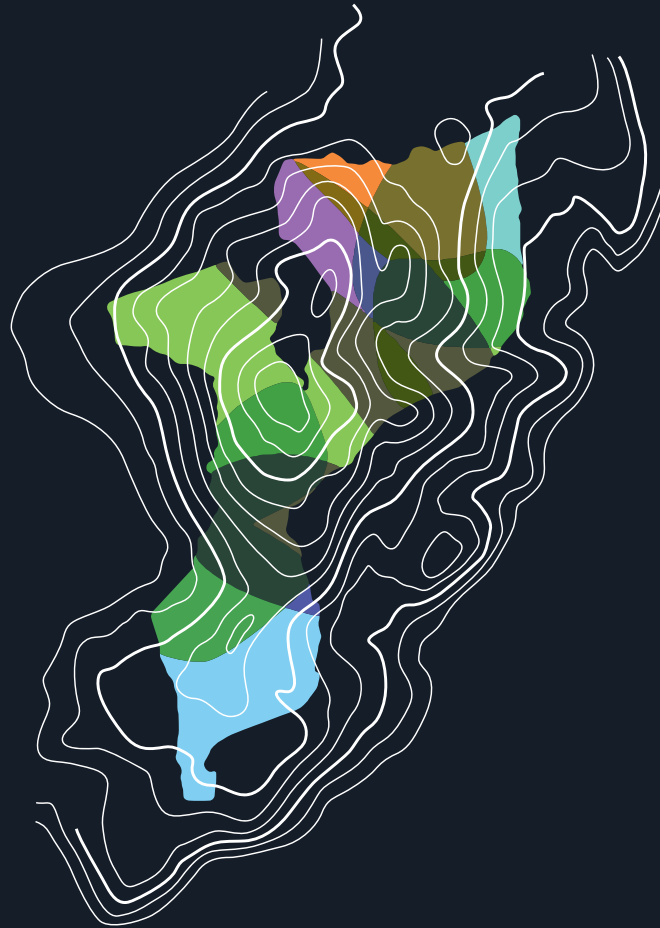
Atum Development

Offshore Area 1 Block, Rovuma - Golfinho
Offshore Area 4 Coral Field Upstream Development
Offshore Area 4 Mamba Complex
Temane and Inhassoro PSA Expansion - Phase 1
Juan de Nova Maritime Profound Block Exploration

**PROPOSED
MIDSTREAM
PROJECT
HIGHLIGHTS**

Mozambique LNG Project

Rovuma LNG Liquefaction Plant
Coral FLNG
Mozambique (Cabo Delgado) to South Africa (Richard's Bay) Gas Pipeline
Nacala LNG to Powership
Aberdeen and Pemba Partnership (Interviews)



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