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5TH MOZAMBIQUE GAS SUMMIT

31ST OCTOBER – 2ND NOVEMBER 2018, MAPUTO, MOZAMBIQUE

GAS & LNG SUSTAINABLE DEVELOPMENT BY PROMOTING NATIONAL CONTENT

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MOZAMBIQUE GAS SUMMIT 2018

KEY FEATURES

- **2nd Mozambique Gas Industry Awards**

During the successful first edition in 2017, the Awards highlighted celebrated companies such as ENH and ENI and the Outstanding Woman of the Year 2017: Jocelyne Machevo, from ENI. The awards brought together the main industry players and celebrated those who contributed to fast forward the development of the gas projects in country. We look forward to once again bring the Awards to the Mozambique Gas Summit which will be decided by an Industry Steering Committee of experts.

- **2nd Outstanding Women Forum** Hosted by:



Mozambique's oil and gas industry has outstanding women in important decision making positions that act as a catalyst and inspiration in the sector. In 2017, we launched a new and exciting forum whose objective was to discuss the main issues in women's participation in the industry and how we could move forward women's participation in the oil and gas sector. The Forum had an inspirational speech by Graça Machel, which exhorted women to participate and be more active in the industry and for the employers to give women the right opportunities to progress in their careers. This year the Forum will have once again the participation of inspiring women and men to discuss how to achieve a more balanced oil and gas industry in Mozambique.

- **3rd National University Student's Contest**

The Mozambique Gas Summit is strongly committed with building capacity in country and to engage university students in the development of the gas and LNG mega projects. Over the past 2 years we have developed the National University Student's Contest which had the participation of more than 100 students from 6 different Universities across the country: Universidade Eduardo Mondlane, Lúrio, Católica, Politécnica, Zambeze e ISCTEM. This year the contest will return to the Summit to once again engage the educational actors in country and to contribute to the knowledge transfer in Mozambique.



NATIONAL CONTENT DAY

31ST OCTOBER 2018

08:00 Registration & Welcome Coffee

09:00 Opening of National Content Day

Award for the 3rd National University Student Contest

SESSION 1: National Content Adding Value to Mozambique: Overview of the Latest Progress and Opportunities

- 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? How the quality of local suppliers be increased
- Matching the needs of contractors to the current skills on offer: how can a balance be achieved?

Moderator:

Martin Hutchison, Managing Director, **Energy Resources Consulting**

Speakers:

Dr. Victor Tivane, Director of National Content, **ENH**

Natalia Camba, Director of Local Content, **INP**

Stefano Saviano, ERB Sustainability Manager, **ENI**

Benjamin Cavel, National Content Manager, **Anadarko**

Adobea Quayson, National Content Manager Africa, **TechnipFMC**

Anicha Abdul, Co-Founder, **EPManagement Consult**

10:30 Networking Coffee Break

11:00

SESSION 2: The Role of Technology and Innovation to Develop National Content & SMES in Mozambique

- Financing options for SMEs: what mechanisms exist to support local companies to obtain certification?
- Creating technology and economic clusters: how to maximise the benefits of the projects in the long term and post gas mega projects?

- Technology and innovation to develop National Content and SMEs in Mozambique
- How can energy policy in Mozambique drive forward affordability and access for all?
- Promoting innovation incubators in Mozambique's oil and gas industry

Moderator:

Tiago Borges Coelho, Co-Founder, **UX Information Technologies, Lda**

Speakers:

Claire Zimba, Executive Director, **IPEME**

Juscelina Guirengane, President, **ANJE**

Ryan Froude, Country Director, East Africa, **WorleyParsons**

Ricardo George, Manager Sales & Business Development, **Applus**

Sasha Vieira, Head of Enterprise Banking and Incubator, **Standard Bank**

Simone Santi, CEO, **Leonardo Group**

12:30 Networking Lunch Hosted by:



13:30

PANEL DISCUSSION

SESSION 3: PANEL DISCUSSION Bridging the Divide Between Skills and Education and Delivering Corporate Social Responsibility

- Capacity building: what is the role of international companies in transferring knowledge ?
- What requirements do international companies stipulate for local companies to be hired?
- The importance of certification to ensure local companies access the projects
- How are universities and private sector collaborating to ensure graduates acquire the right expertise and join the gas and LNG projects?
- What are international and local companies doing to deliver a Corporate Social Responsibility Strategy in Mozambique?
- What is being implemented to ensure the long term value creation after the projects' lifespan?
- How can the gas projects ensure a sustainable development and inclusion of the communities?

Moderator:

Martin Hutchison, Managing Director, **Energy Resources Consulting**

Speaker:

Ibrahimo Remane, President, **Association of Engineers of Mozambique**

Prof. Dr. Luís Helder Lucas, Director of the Center for Excellence in Oil and Gas, **Universidade Eduardo Mondlane**

Gilberto Botas, Chairman, **National Authority for Professional Education (ANEP)**

M. Lucia MacIsaac, M.A.Sc., P.Eng., President, **LearnCorp International**

Eva Meignen, Senior Technical Adviser, Representative of CICan in Mozambique, **Colleges and Institutes of Canada**

Phil Haymes, Oil & Gas Specialist, HVC Programme, **Department of International Trade UK**

15:00 **Networking Coffee Break**

15:30

2nd OUTSTANDING WOMEN FORUM 2018

Hosted by **ExxonMobil**

PANEL DISCUSSION

SESSION 4: Economic Empowerment of Women in Mozambique's Extractive Industries

- What is the Government and private sector doing to ensure women have the same opportunities to progress?
- What can be done to make the industry's environment more friendly to women and accommodate their needs to progress in the career?
- How can female entrepreneurship be promoted and what are the support options?
- The importance of economic empowerment of women in the oil and gas industry: what has been done so far?
- The role of Universities in educating and changing the cultural mind-set to improve women's access to the job market

Keynote Address:

H.E. Cidália Chaúque, Minister of Gender, Children and Social Activities, **Republic of Mozambique**

Moderator: Martin Hutchison, Managing Director, **Energy Resources Consulting**

Speakers:

Monica Chamussa, Head of Data Management & GIS Division, **ENH**

Juscelina Guirengane, President, **ANJE**

Natalia Camba, Director National Content, **INP**

Mariam Umarji, President, **FEMME**

Representative of Exxon Mobil

SESSION 5: Win – Win Strategies to Promote a More Balanced Oil & Gas Industry in Mozambique

- How can women and men collaborate to ensure gender balance in the oil and gas industry?
- What are the big employers doing to engage women and promote diversity in their workplace?
- Which gender inclusive policies are companies in Mozambique implementing at the moment?
- Mapping out the current initiatives available to empower women in the oil and gas industry

Speakers:

Nilza Issufo, Advisor, **ENH**

Taciana Peão Lopes, Women in Energy Network, **Mozambique**

Talumba Katawala, National Content & Communications Manager, **TechnipFMC**

Xiluva Matavele, Senior Legal Advisor, **Sasol Mozambique**

Representative Ministry GCSA

18:00 End of National Content Day



STRATEGIC GAS SUMMIT DAY ONE

1ST NOVEMBER 2018

08:00 Registration & Welcome Coffee

09:00 Official Ministerial Opening of Strategic Summit

Presidential and Ministerial Keynote Addresses – Official Conference Opening

Martin Hutchison, Managing Director, **Energy Resources Consulting**

Dr. Omar Mithá, Chairman and CEO, **ENH**

H.E. Ernesto Max Tonela, Minister of Mineral Resources and Energy, **Republic of Mozambique**

His Excellency Filipe Jacinto Nyusi, President of the Republic of Mozambique

10:00 Networking Coffee Break & Exhibition Official Opening

Hosted by:



11:00

SESSION 1: Mozambique: A Global Gas & LNG Supplier Fostering Energy Security

- Striking a balance between sustainability and profitability: What measures are in place to ensure energy security? What is Mozambique's role as a future major supplier?
- What impact an oversupplied market will in the development of Mozambique's LNG project?
- How is the Government and private sector working together to ensure the projects remain competitive and is delivered within the scheduled timeline
- What are the priorities for operators in Mozambique and how can they collaborate to drive the industry forward? What hurdles have been overcome and what are the opportunities ahead?

Moderator:

Martin Hutchison, Managing Director, **Energy Resources Consulting**

Speakers:

H.E. Júlio Parruque, Governor of Province Cabo Delgado, **Republic of Mozambique**

Dr. Omar Mithá, Chairman and CEO, **ENH**

Carlos Zacarias, Chairman, **INP**

Steve Wilson, Vice President and Country Manager, **Anadarko**
Filippo Maioli, General Manager of Eni Rovuma Basin (ERB), **ENI**
Senior Representative ExxonMobil

13:00 Networking Lunch

Hosted by:



14:00

SESSION 2: Technology and Innovation to Maximise Efficiencies in Mozambique's Gas and LNG Projects

- Latest developments and technological advances in the oil and gas industry and the impact on Mozambique's gas and LNG mega projects
- What are the new technical advances making the projects more effective and reducing the costs?
- The importance of using cutting edge techniques to increase project efficiencies
- The development of technological clusters: ensuring a long lasting legacy
- How can innovation help bringing costs down and making projects more competitive?
- The role of digitalization in streamlining the gas value chain

Moderator:

Martin Hutchison, Managing Director, **Energy Resources Consulting**

Speakers:

Ramanathan Ramaswamy, Director Projects, **TechnipFMC**

Pablo Avogradi, LNG New Units Platform Leader, **BakerHughes a GE Company**

Arnaud Roux, Africa Field Development Lead Engineer, **Subsea7**

Rightwell Laxa, Senior Vice President: Satellite Operations, **Sasol**

Gércia Sequeira, Executive Director, **ITIS**, President, **AMPETIC**

15:30 Networking Coffee Break Hosted by:

sasol



16:00

PANEL DISCUSSION

SESSION 3: Financing Gas & LNG Projects in Mozambique: Opportunities and Hurdles

- How does finance play a pivotal role in the development of the gas projects?
- What are the latest innovative financial mechanisms to ensure access to credit?
- How can incentives be introduced to drive future infrastructure development?
- How will financing will make the projects a reality and move the industry forward

- Driving costs down to make the projects more attractive, cost effective and acquire the required financing
- What are the current Government strategies to attract investment to Mozambique's gas industry?

Moderator:

Melanie Lovatt Finance Advisor, Business Intelligence, **Poten & Partners**

Speakers:

Paulo Armando Mandlate, Director of Licensing and Exchange Control, **Bank of Mozambique**

Lourenço Sambo, Executive Director, **APIEX**

Paul Eardley Taylor, Head: Oil & Gas, Southern Africa, **Standard Bank**

Ari Aisen, Country Representative, **IMF**

Ekaterina Mikhaylova, Lead Strategy and Operations Officer, Energy and Extractives Global Practice, **World Bank**

17:30 End of Strategic Summit Day One

19:00 Mozambique Gas & LNG Awards Evening



STRATEGIC GAS SUMMIT DAY TWO

2ND NOVEMBER 2018

08:00 Welcome Coffee & Registration

09:00 Opening of Strategic Summit Day Two

NEW BUYERS AND SELLERS PANEL DISCUSSION

SESSION 4: The Emerging Business Models Making Mozambique's LNG Competitive in the Global Markets

- What are the shifting market dynamics that will impact the LNG business in Mozambique and globally? How will niche markets become a major driver of demand?
- Which are the emerging business models that will give Mozambique's LNG a competitive edge?
- How are gas buyers responding to innovative business models from sellers?
- How can Mozambique market its LNG effectively and adapt to an ever changing and dynamic landscape?
- The importance of European and Asian markets to Mozambique's gas: how is Mozambique adapting to the new global supply/demand outlook and market uncertainties?

- The different role of established and new buyers for Mozambique's hydrocarbons
- How is Mozambique aligning itself with the global focus on clean energy? What is the opportunity for Mozambique's gas in the future energy mix?

Moderator:

Martin Hutchison, Managing Director, **Energy Resources Consulting**

Speakers:

Benjamin Chilenge, Member of the Board, Commercial, **ENH**

Jason Feer, Global Head of Business Intelligence, **Poten and Partners**

Nomfundo Maseti, Full – Time Regulator Member: Piped Gas, **National Energy Regulator of South Africa (NERSA)**

Bridget Shoo, Regional Director (Designate), Johannesburg Overseas Centre, Middle East & Africa, **Enterprise Singapore**

Marc Howson, Director, LNG Market Development, **S&P Global Platts**

10:30 Networking Coffee Break

11:00

SESSION 5: Monetizing Mozambique's Gas: Innovative Solutions and Business Opportunities to Power Industrialization

- Uncovering the key decision triggers for investing in LNG fuelled road vehicles and how can Mozambique harness the potential of this technology?
- What are the key drivers prompting off-grid industrial users to convert to LNG?
- What are the challenges faced by the industrial sectors with regards to converting facilities to utilise LNG as a fuel?
- LNG for Mining: How much demand is being created by the mining sector?
- Comparing LNG against traditional fuels for off-grid industrial users
- LNG as a Marine Transport: Can Mozambique use LNG to power the marine sector?
- LNG Shipping: how to create efficiencies in LNG's transportation?
- CNG – Usage of LNG to Power Trucks, Trains and other vehicles
- Fertilizers, Methanol, Plastics – How to diversify the economy and create jobs?
- How to create a network of Mini LNG Plants and reach remote regions in Mozambique and other landlocked countries?
- What role will coal play in ensuring affordable domestic energy?
- How can Mozambique create energy security and drive sustainability forward?
- How can power and renewables add to the energy mix and create a more environmentally friendly industry?

Moderator:

Jocelyne Machevo, Coral Project Interface Coordinator, **ENI**

Speakers:

Dr. Acacio Langa, Commercial Director, Domestic and Regional Markets, **ENH**

Mateus Magala, Chairman of the Board, **EDM Mozambique**

António Saíde, Chief Executive Officer, **FUNAE**

François Vuylsteke, Senior Business Development Manager, Africa, **Wärtsilä Energy Solutions**

Fredric Briens, Chief Technical Officer, **Great Lakes Africa Energy**

Charles Nyirahuku, Chief Gas Policy Officer, African Natural Resources Centre, **Africa Development Bank**

12:30

SESSION 6: Mozambique Gas Summit: Conclusions & Outcomes

- Mozambique Gas Summit closing conclusions
- What are the Summit's outcomes & highlights?
- What can we expect from the Gas & LNG developments In the next 12 months?

Speaker:

Omar Mithá, Chairman & CEO, **ENH**

Martin Hutchison, Managing Director, **Energy Resources Consulting**

13:00 **Networking Lunch** Hosted by:



14:30 **End of Strategic Summit Day Two**