

CORPORATE PRESENTATION

September 2016



WENTWORTH
RESOURCES LIMITED

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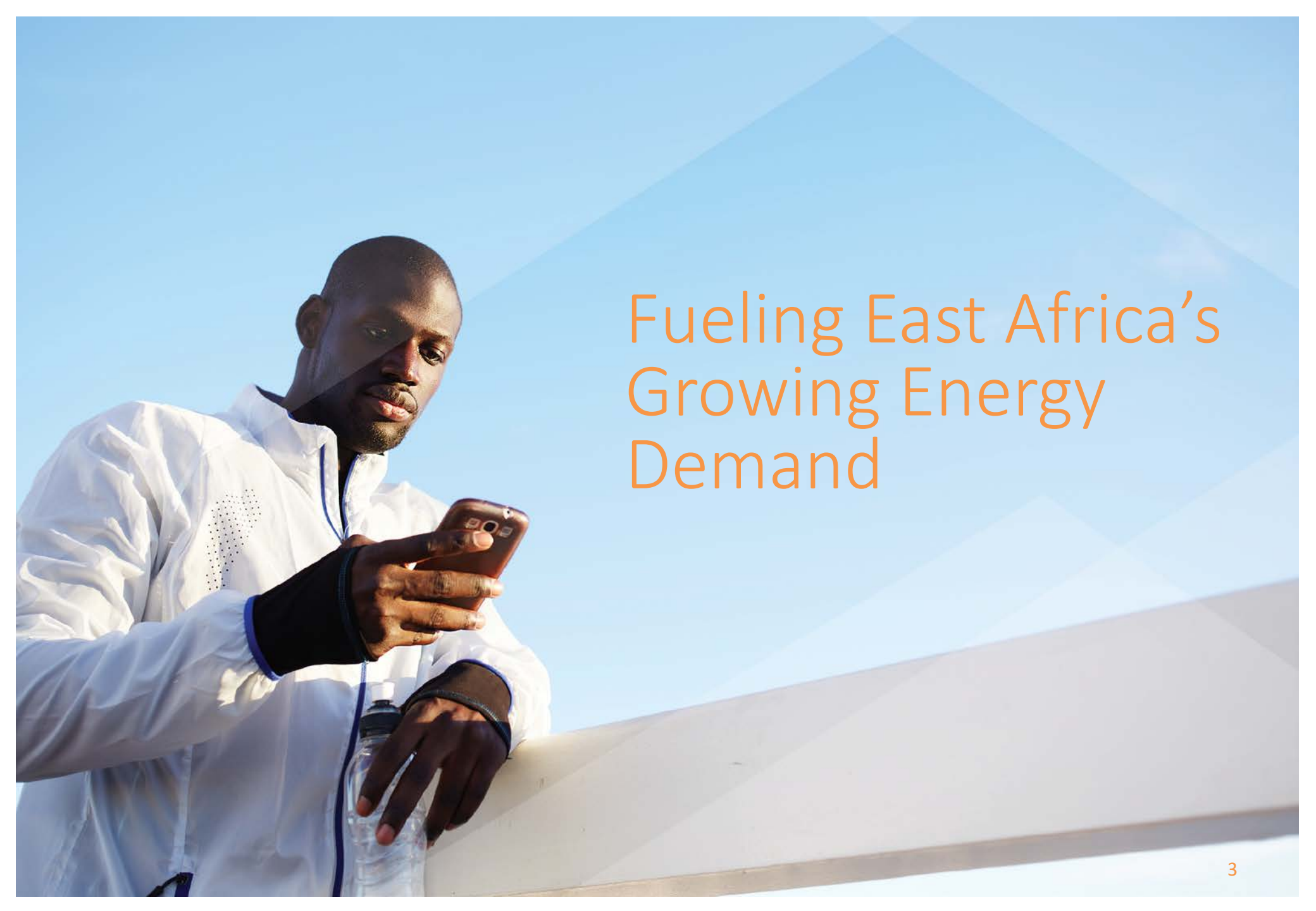
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A man in a white jacket is looking at a smartphone. He is standing outdoors against a clear blue sky. The background features large, light blue geometric shapes that resemble stylized mountains or architectural elements. The text 'Fueling East Africa's Growing Energy Demand' is overlaid on the right side of the image in an orange color.

Fueling East Africa's Growing Energy Demand

ONSHORE ROVUMA BASIN EXPLORATION & PRODUCTION



Gas production in Mnazi Bay,
Tanzania from Proven Reserves

Appraisal of gas discovery in Tembo
Block, Mozambique underway (oil
potential)

Substantial exploration upside in
Mnazi Bay

Actively seeking growth
opportunities in the Rovuma Basin

ROVUMA BASIN – STRATEGICALLY LOCATED

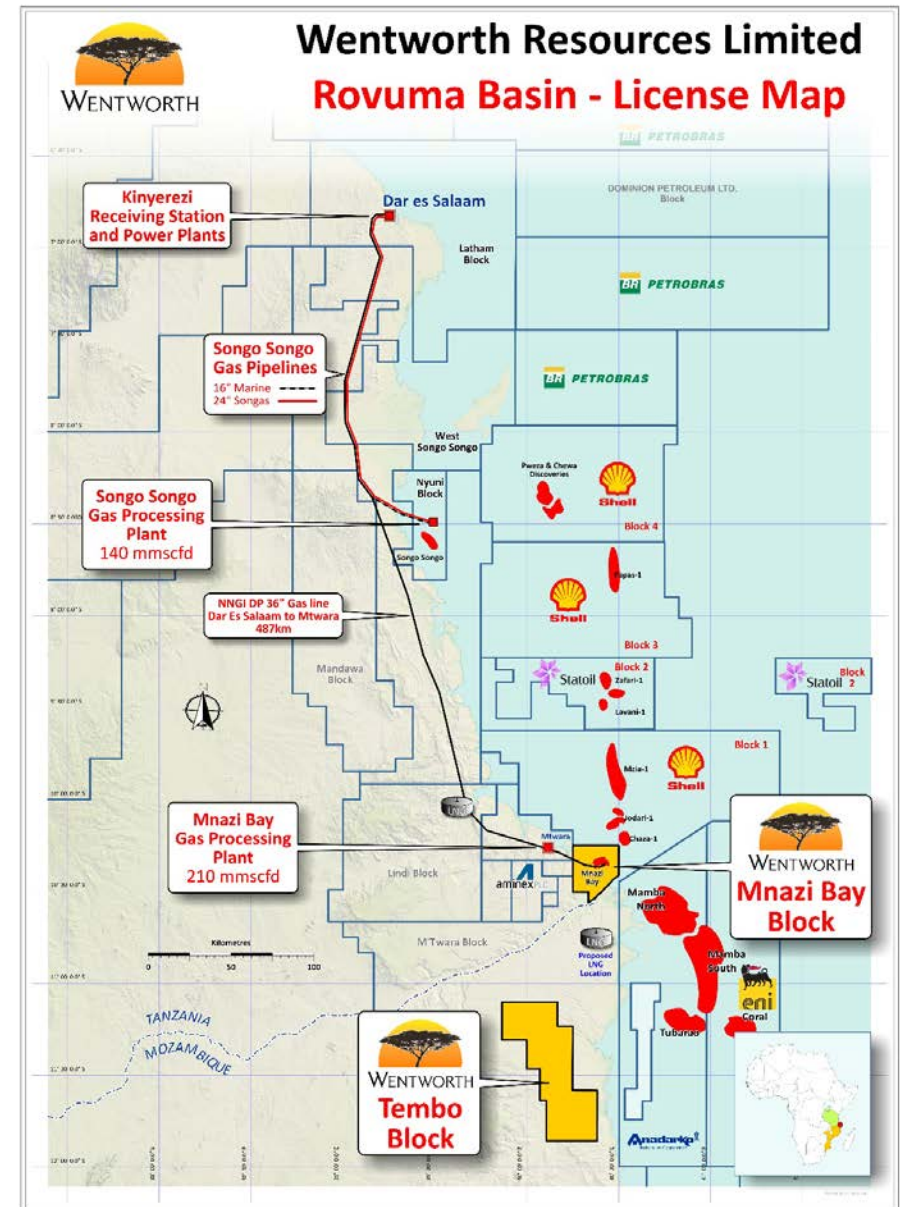
Wentworth's assets are located in the Rovuma Basin, a world class gas region with substantial upside potential

Discoveries in the region now total over 200 Tscf of recoverable gas

Supermajors, large independents and national oil companies already active in the basin –
Rapidly evolving oil & gas landscape

Large scale LNG, GTL and petrochemical projects under development

The place to be – Wentworth already there



The Wentworth Strategy



Low-cost production with fixed gas price in Mnazi Bay reduces volatility in low oil-price environment

Appraisal of high-impact gas discovery in Tembo Block with flexible work programme, likely to attract industry partners

Focused on cost recoverable, low-risk prospects, near available infrastructure with growing energy demand

Strengthening balance sheet provides foundation to deliver long term value to shareholders

Building a world-class exploration, appraisal and production portfolio in the Rovuma Basin

Our Assets

FOCUSED ONSHORE ROVUMA BASIN

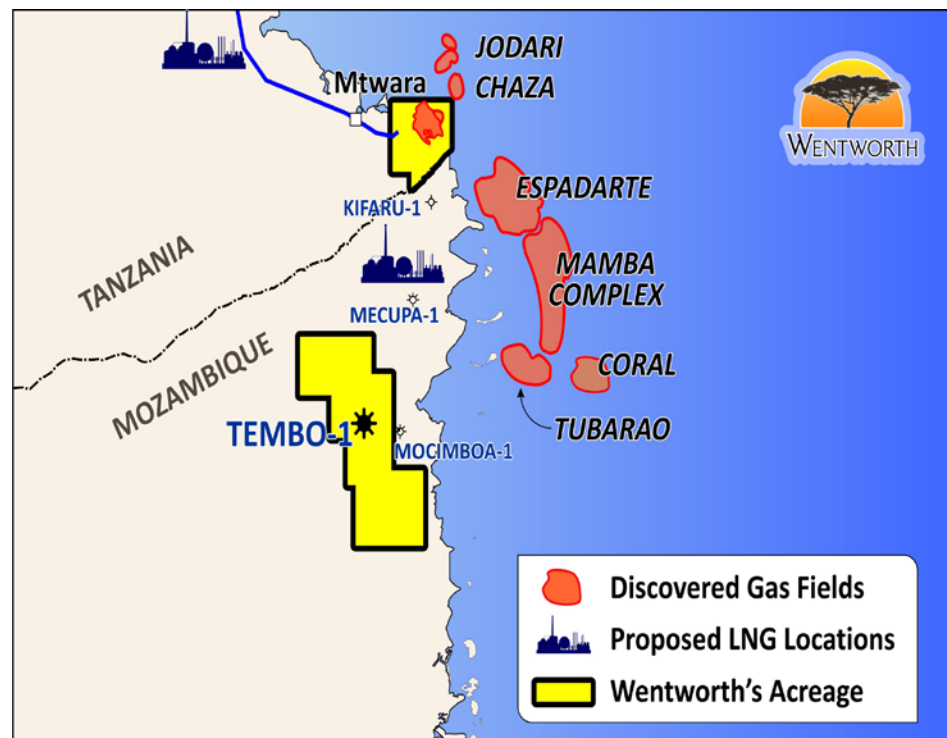
Mnazi Bay, Tanzania onshore and near-shore
acreage of 756km² (Southern Tanzania)

Gas sales into new pipeline to Dar es Salaam
commenced August 2015

Tembo Block, Mozambique appraisal acreage
of 2,500km² around the Tembo-1 discovery

Appraisal programme commenced H2 2016
with low capex required

Proven hydrocarbon system with existing production
and potential for large oil & gas discoveries onshore
Rovuma Basin



MNAZI BAY, TANZANIA

\$0.08
kWhr

Growing Demand

Mnazi Bay gas expected to reduce average cost of power generation from \$0.20/kWhr to \$0.08/kWhr

Demand expected to reach 475 MMscf by 2018¹

PRODUCTION: MNAZI BAY, TANZANIA

Wentworth's working interest: 32%

Maurel et Prom Operator: 48%

TPDC (Tanzanian Government): 20%

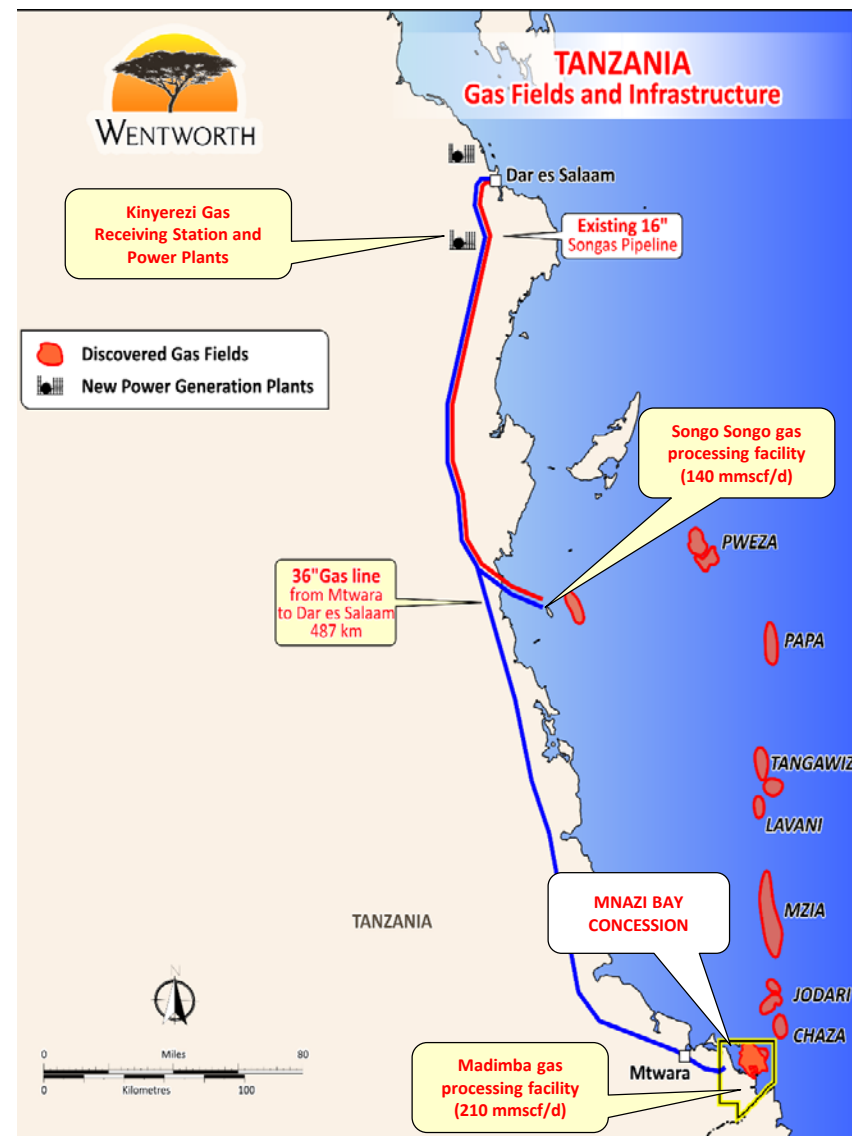
Net existing 2P reserves valued at \$179.2 million
NPV (10% after tax)¹

Net 2P reserves of 114.5 Bscf, 19.1 mmboe¹

Long-term GSA in place with favorable PSA terms
for up to 130 MMscf/d (until October 2031)

Payments consistently received on time and
in full for gas delivered

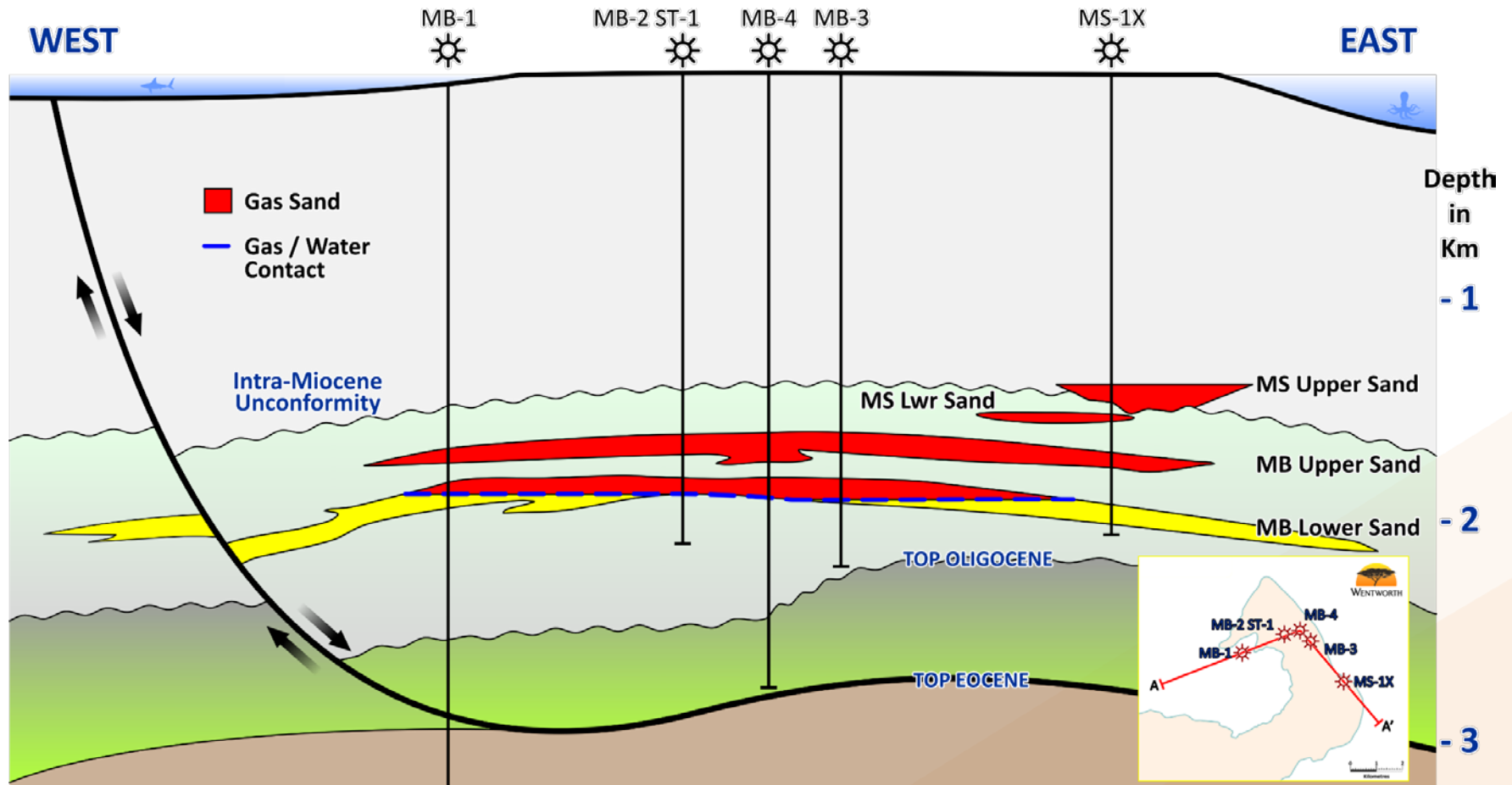
Existing infrastructure provides route to market



(1) Source: RPS Energy Canada Ltd. – Resource Assessment as at August 31, 2013

MNAZI BAY GAS FIELD – 5 PRODUCING WELLS

Schematic cross section



DEMAND: MNAZI BAY, TANZANIA

First year of production into new pipeline

- Q2 2016 average 51 MMscf/d
- Minimal capex required in 2016 ~\$3m net to Wentworth
- Over 15 Bscf produced to date from the discovered gas fields

Mnazi Bay gas providing much needed cost effective, reliable power

- Mnazi Bay gas expected to reduce average cost of power generation from \$0.20/kWhr to \$0.08/kWhr (current selling price \$0.16/kWhr)
- Existing power plants, Ubungu II and new Kinyerezi-1, now receiving Mnazi Bay gas
- Symbion power plant expected to take Mnazi Bay gas once operations resume

Gas demand expected to outstrip current supply by 2018

- Construction of Kinyerezi-I expansion and Kinyerezi-II new power plant underway
- Additional demand anticipated from industrial users and other new power facilities
- Opportunity to increase production volumes from existing wells in gas field



EXPLORATION: MNAZI BAY, TANZANIA

Low-risk exploration potential within existing license area
(not ring fenced)

Easily accessible and available infrastructure in place for any
future discoveries

Growing demand will drive and determine timing of exploration
programme

Exploration efforts expected to be fully funded through internally
generated cashflow

Minimal downside risk to exploration within license area as all
costs recoverable

EXPLORATION “NO-BRAINER”

Wentworth’s working interest in exploration: 40%

Maurel et Prom (Operator) 60.075%

Near-term drillable exploration targets

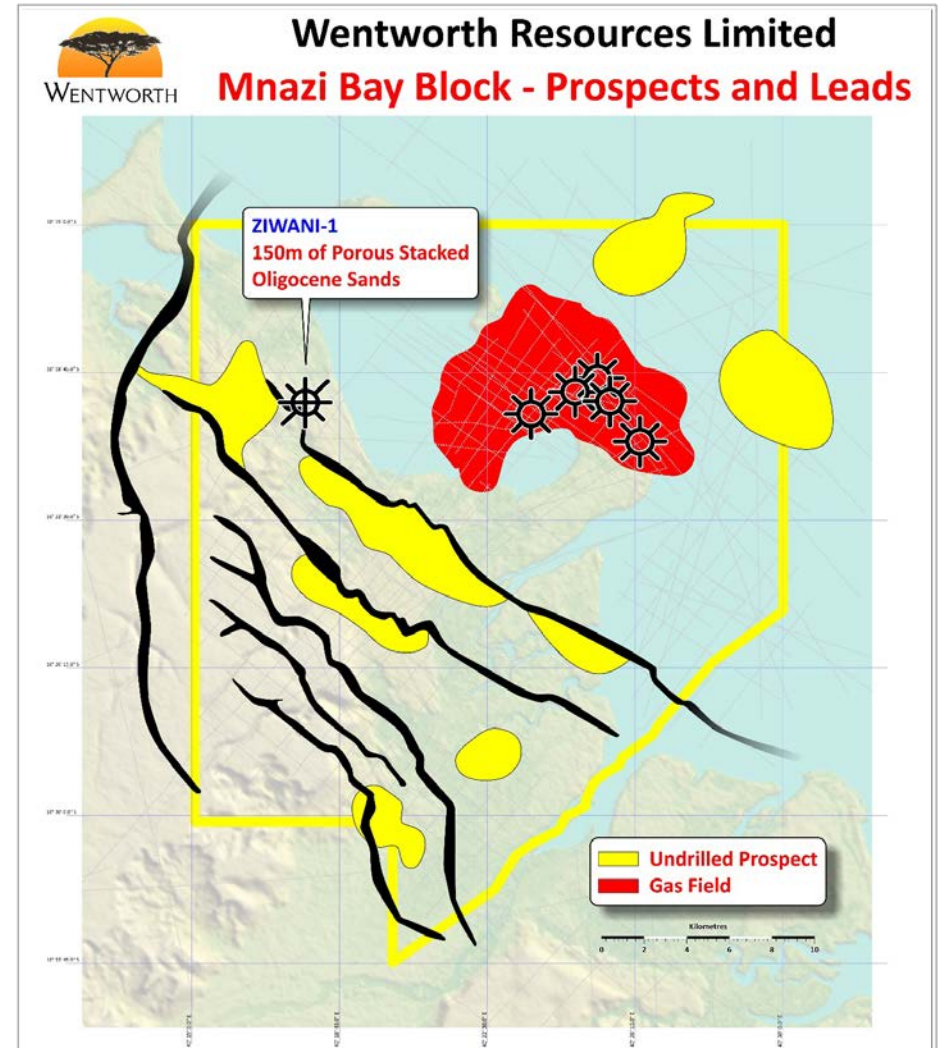
Ziwani-1 well encountered 150 meters of porous stacked Oligocene sands

Sets up tilted fault block targets adjacent to Mnazi Bay gas field

Further targets exist in Eocene and Cretaceous sections

Potential to significantly increase existing reserves

All costs fully recoverable under existing PSA



TEMBO BLOCK, MOZAMBIQUE

85%

Wentworth Operator with 85% working interest

2014

Tembo-1 gas discovery in Cretaceous sands in December 2014

APPRAISAL: TEMBO BLOCK, MOZAMBIQUE

Wentworth Operator with 85% working interest

Tembo was a landmark well reaching the Jurassic and providing significant relevant information on the potential of the basin

High impact appraisal could result in proving up significant reserves

Appraisal expected over next few years with timing to match demand, expected through emergence of LNG and GTL projects

Full flexibility provides options for funding appraisal programme

Opportunity for significant capital growth to enhance shareholder value – a “Game Changer” asset

TEMBO DISCOVERY

Tembo-1 well was drilled to 4,553 meters reaching the Jurassic

15 meters of pay encountered in Cretaceous sands, MDT
confirms presence of oil and gas

Additional 50+ meters of potential bypass gas pay identified

Current mapping suggests substantial regional extent to discovery

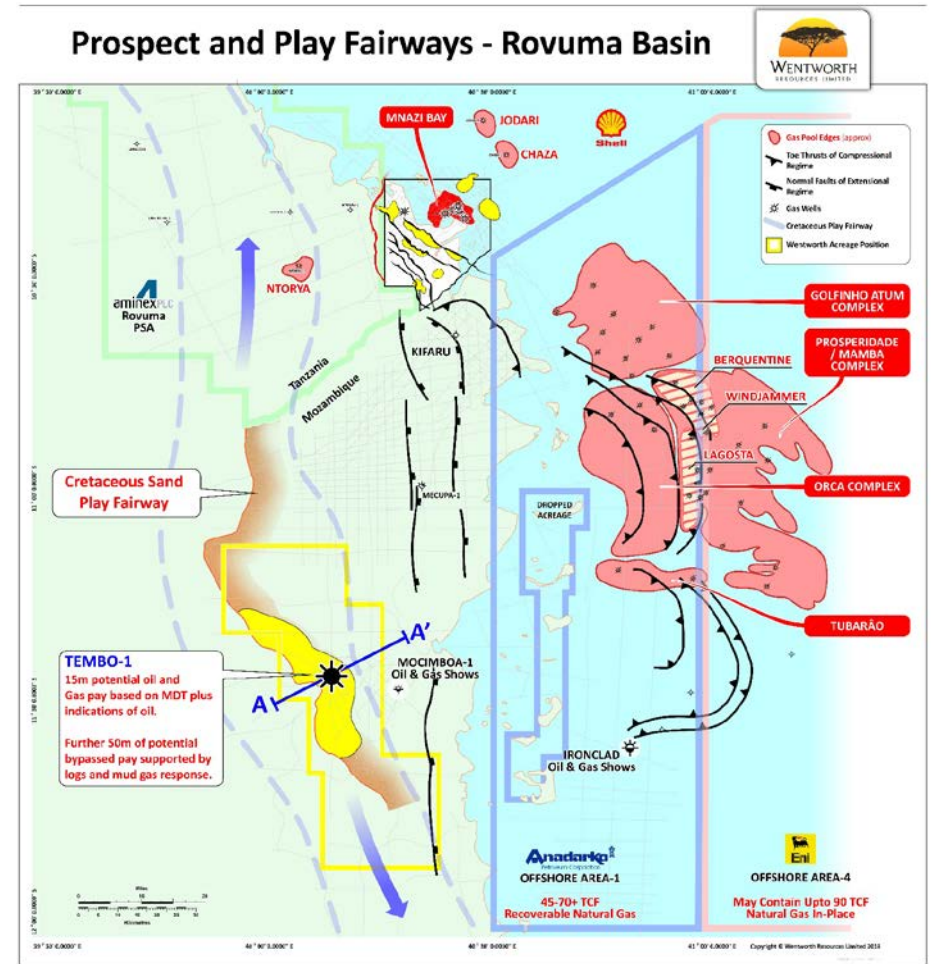
MOZAMBIQUE: A HIGH IMPACT OPPORTUNITY

The Tembo block is approx. 2,500 km²:

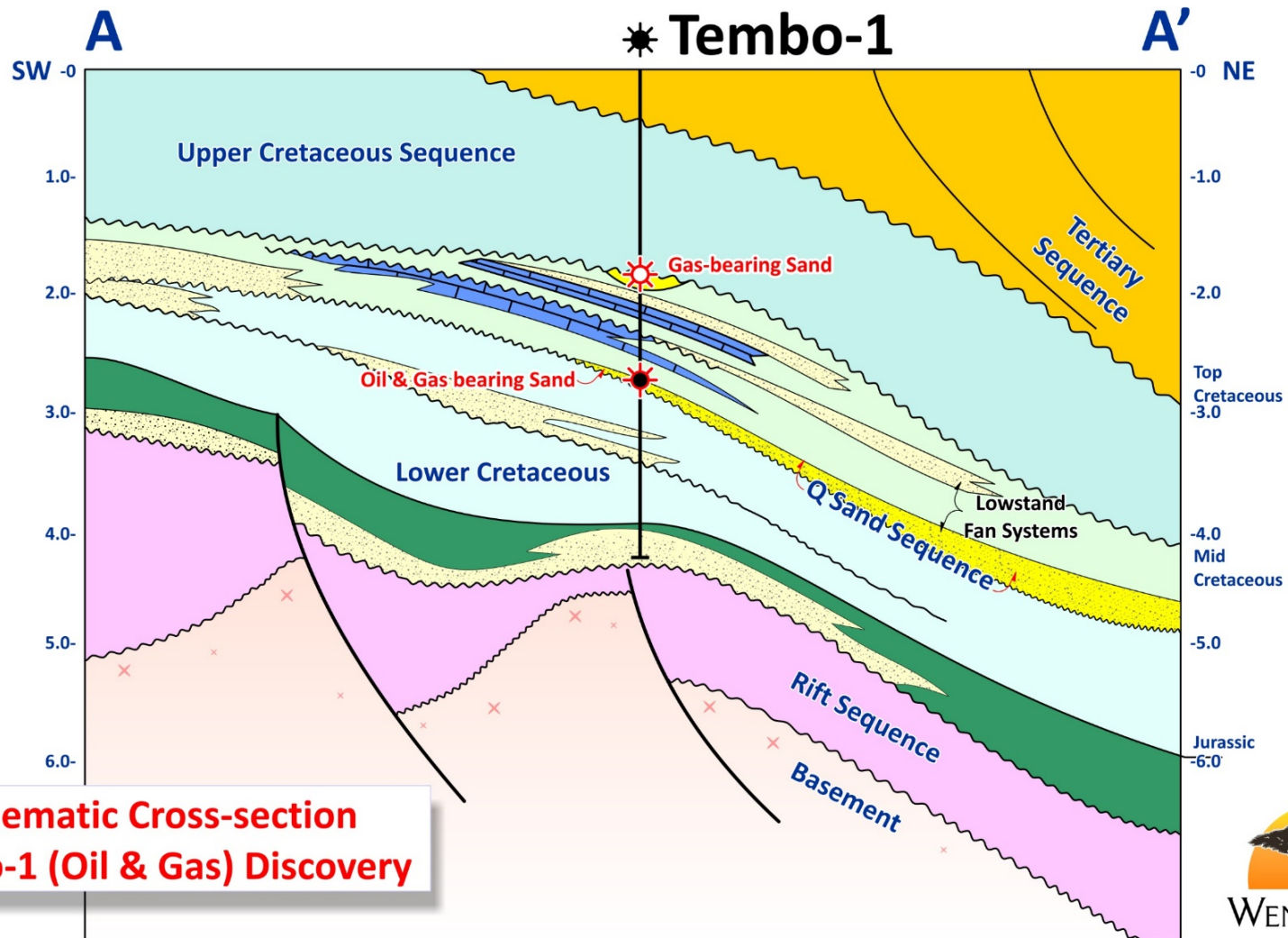
- Adjacent to huge offshore gas discoveries
- Potential for commercial development of both oil and gas
- Sufficient running room to fully appraise Tembo discovery

Work Programme:

- Reprocessing approx. 1,000 kms of existing seismic data in 2016
- Plan to acquire a minimum of 500 kms of new onshore 2D seismic in 2017
- Appraisal well anticipated in 2018 following identifying a suitable drilling location



MOZAMBIQUE: A HIGH IMPACT OPPORTUNITY



A satellite night view of Earth, showing the Western Hemisphere. The Americas are visible, with city lights glowing against the dark landmasses. The oceans are a deep blue. The image is overlaid with a semi-transparent geometric pattern of overlapping triangles in shades of blue and grey.

Strong future
ahead

Fueling East Africa's Growing Energy Demand through world-class
exploration, appraisal and production portfolio in Onshore
Rovuma Basin

Appraisal and Exploration is central to our growth:
Leveraging minimal spend for maximum impact

Strengthening balance sheet provides foundations to deliver long
term value to shareholders

Positioning Wentworth to be a dominant player
in the Rovuma Basin

APPENDICES

RESERVES SUMMARY

Reserves Summary for Mnazi Bay as at December 31, 2015						
Reserve Category	Full Field		Wentworth 31.94% WI			
	Gross Reserves		Gross ⁽¹⁾ Reserves		Net ⁽²⁾ Reserves	
	Sales Gas (Bscf)	BOE (MMbbl)	Sales Gas (Bscf)	BOE (MMbbl)	Sales Gas (Bscf)	BOE (MMbbl)
PDP	157.9	26.3	50.4	8.4	38.9	6.5
1P	336.2	56.0	107.4	17.9	76.4	12.7
2P	567.1	94.5	181.1	30.2	114.5	19.1
3P	861.8	143.6	275.3	45.9	156.0	26.0

(1) Gross Reserves are Wentworth's working interest share of Total Field Reserves.

(2) Net Reserves are calculated as the product of Wentworth's Gross Reserves and the ratio of Wentworth's net revenue to Wentworth's working interest share of field gross revenue.

Wentworth Resources Working Interest Reserves for Mnazi Bay as at December 31, 2015						Wentworth Resources Working Interest Reserves for Mnazi Bay as at December 31, 2015					
Reserve Category	NPV Before Tax (Millions US\$) using discount factor of					Reserve Category	NPV After Tax (Millions US\$) using discount factor of				
	0%	5%	10%	15%	20%		0%	5%	10%	15%	20%
Proved						Proved					
Producing	108.2	100.5	93.5	87.3	81.8	Producing	108.2	100.5	93.5	87.3	81.8
Undeveloped	97.3	71.2	52.9	39.8	30.4	Undeveloped	89.7	65.7	48.9	36.8	28.1
Total Proved	205.5	171.7	146.4	127.1	112.2	Total Proved	197.9	166.2	142.4	124.1	109.8
Probable	97.9	60.5	39.8	27.8	20.5	Probable	89.9	55.8	36.8	25.8	19.1
Proved + Probable	303.5	232.2	186.2	154.9	132.6	Proved + Probable	287.8	222.0	179.2	149.9	128.9
Possible	142.3	78.3	47.4	31.7	23.2	Possible	130.6	72.1	43.8	29.4	21.7
Proved + Probable + Possible	445.8	310.5	233.6	186.6	155.9	Proved + Probable + Possible	418.4	294.1	223.0	179.3	150.6

BOARD & EXECUTIVE TEAM

Board of Directors



Robert McBean, Executive Chairman

- Over 40 years experience in the upstream, midstream, and downstream oil and gas industries
 - Former Managing Director of Qatar Fuel Additives Company ("QAFAC"), a world-scale methanol and MTBE petrochemicals facility in Qatar
 - Previously Managing Director of Dubai Natural Gas Company ("DUGAS"), an associated gas LPG processing facility in Dubai, and non-executive chairman of Black Marlin Energy
 - Co-founder of Scarboro Resources with interests and operations in Italy, Libya, Abu Dhabi, Indonesia, France, Pakistan and Canada
-



John Bentley, Deputy Chairman

- Over 40 years of experience in international natural resource corporations at both the executive management and board level
 - Specific focus in his career on upstream oil & gas in Africa
 - Currently non-executive chairman of Faroe Petroleum plc and non-executive director of Africa Energy Corp.
 - Degree in Metallurgy from Brunel University
-



Cameron Barton, Non-Executive Director

- Over 30 years of finance and accounting experience within the energy industry
 - Current Executive Advisor to Sanjel Corporation. Former Chief Financial Officer of the company for 5 year
 - Before joining Sanjel, Mr. Barton was the former President, CEO and CFO of Artumas Group Limited (now Wentworth)
 - Previously Vice President & General Manager, and Vice President of Finance for Direct Energy Marketing Limited (owned by Centrica plc in the UK)
-



Neil Kelly, Non-Executive Director

- A 40+ year veteran of the upstream, midstream, and downstream oil and gas industries
- Prior to his retirement from ExxonMobil he was Managing Director of Ras Laffan LNG Company (RasGas) in the State of Qatar
- Mr. Kelly also served as a Director of PT Arun LNG Company in Indonesia for three years during a six year assignment in Indonesia, which also saw him direct the production from the giant Arun gas field

BOARD & EXECUTIVE TEAM

Executive and Senior Management Team – Calgary and London



Geoff Bury, Managing Director

- Extensive oil and gas industry experience and strong petrochemicals project development and project management skills
 - Former Chief Financial Officer of Voyager Energy Limited, an international oil and gas exploration company with interests in Trinidad
 - Previously Finance Manager of Qatar Fuel Additives Company (“QAFAC”), a world-scale methanol and MTBE petrochemicals facility in Qatar, and Chief Financial Officer of Trans-Dominion Energy, an international oil and gas exploration company with interests in Trinidad, Turkey, Pakistan and Senegal
-



Lance Mierendorf, Chief Financial Officer

- Extensive oil and gas finance and accounting experience in the international environment
 - Former Chief Financial Officer of Sonoro Energy Limited; Corporate Controller for Buried Hill Energy; and Middle East Finance Manager for Anadarko Petroleum Corporation
 - Canadian Chartered Accountant
-



Gerold Fong, Vice President Exploration

- Exploration Geophysicist with over 30 years of international and frontier experience in numerous basins worldwide
 - Former VP Caribbean Region for Niko Resources where he directed a multi-disciplinary team responsible for all of the company's operations in Trinidad
 - Co-founder and CEO of Voyager Energy where he was responsible for assembling an impressive exploration portfolio in Trinidad
 - Experience spans the globe and he has been involved in the evaluation and management of projects in the Caribbean, South America, Southeast Asia and East Africa
-



Katherine Roe, Vice President Corporate Development and Investor Relations

- Extensive oil and gas advisory and transactional experience for a range of international companies
- 14 years' experience in the City of London and former Director of Investment Banking at Panmure Gordon, heading up the Natural Resources franchise
- Holds a Bachelor's degree from the University of Bristol, England

BOARD & EXECUTIVE TEAM

Executive and Senior Management Team – Dar es Salaam



Richard Tainton, Senior Vice President International

- 25 years of diverse experience with engineering projects around the world including gas and power development projects
 - Proven experience in the development and management of integrated gas-to-power projects in Africa and Central Asia, including working with Government Agencies and Regulatory Authorities to obtain the Government consents required for project sanction and implementation
 - Recently served as Project Director for Manitoba Hydro International on energy projects in the Middle East and Central Asia
 - MSc Mining Engineering Degree from the University of the Witwatersrand, Johannesburg
-



Salvator Ntomola, Vice President Business Development & Government Relations

- Extensive working experience with and personal relationships in the governments and the petroleum sectors of Tanzania, Kenya, Uganda, Mozambique and the Comoros
 - Former Director of Exploration and Production and Deputy Managing Director for Tanzania Petroleum Development Corporation (TPDC)
 - Former Director of Investment Facilitation for Tanzanian Investment Centre
 - Holds a BSc in Geology from Makerere University Uganda, and a post graduate diploma in Petroleum Geology from Bergen University, Norway
-

Capital Structure

AIM and Oslo listed

- Ticker – WRL

Shares outstanding

- Basic – 169.4 million
- Fully diluted – 180.1 million

Market Capitalisation¹

- £45 million
- NOK 488 million
- US\$ 60 million

Directors and Management shareholding

- Total 7.3%

Shareholders >3%

- | | |
|-------------------|------|
| • Vitol | 9.9% |
| • AXA Framlington | 9.6% |
| • R B McBean | 5.4% |
| • Invesco | 4.9% |
| • Fidelity | 4.0% |
| • Bank Julius Bar | 3.5% |

¹ As of 12th September 2016



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