

APPEX CONFERENCE

MOZAMBIQUE: INCREASING THE VALUE OF GAS



LONDON 2019



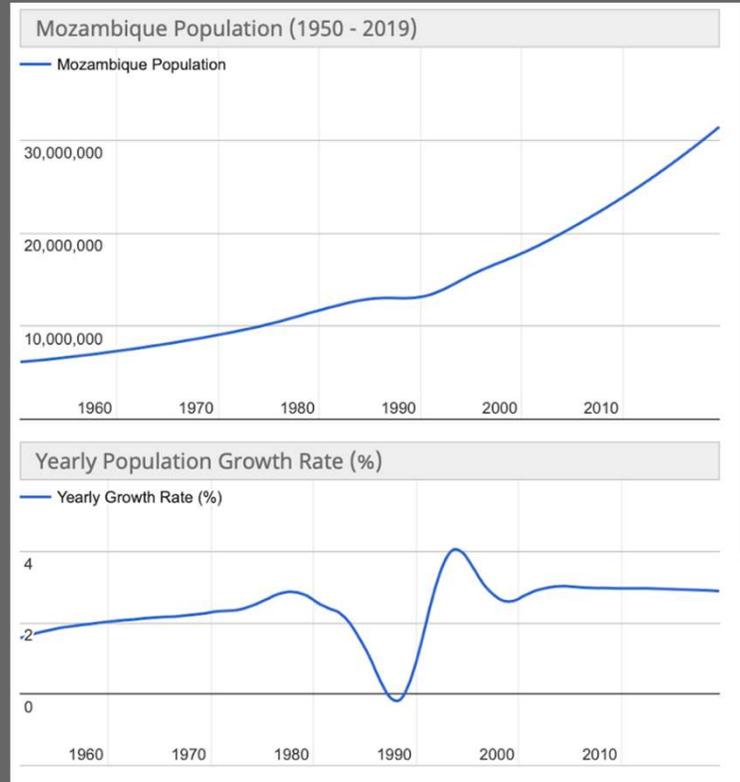
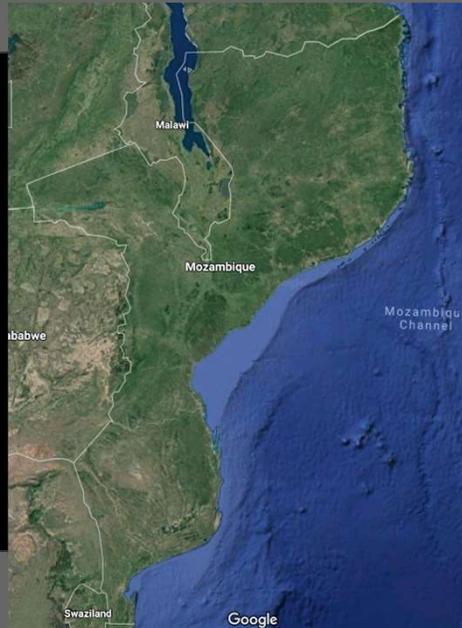
BY: ENH MONICA JUVANE,
SENIOR GEOLOGIST

PRESENTATION LAYOUT



- 1 **Mozambique Location**
- 2 **Oil & Gas Shares & Structure**
- 3 **Rovuma Basin Gas Resources**
- 4 **The LNG Liquefaction Plants**
- 5 **Mozambique Gas Master Plan**
- 6 **Final Remarks**

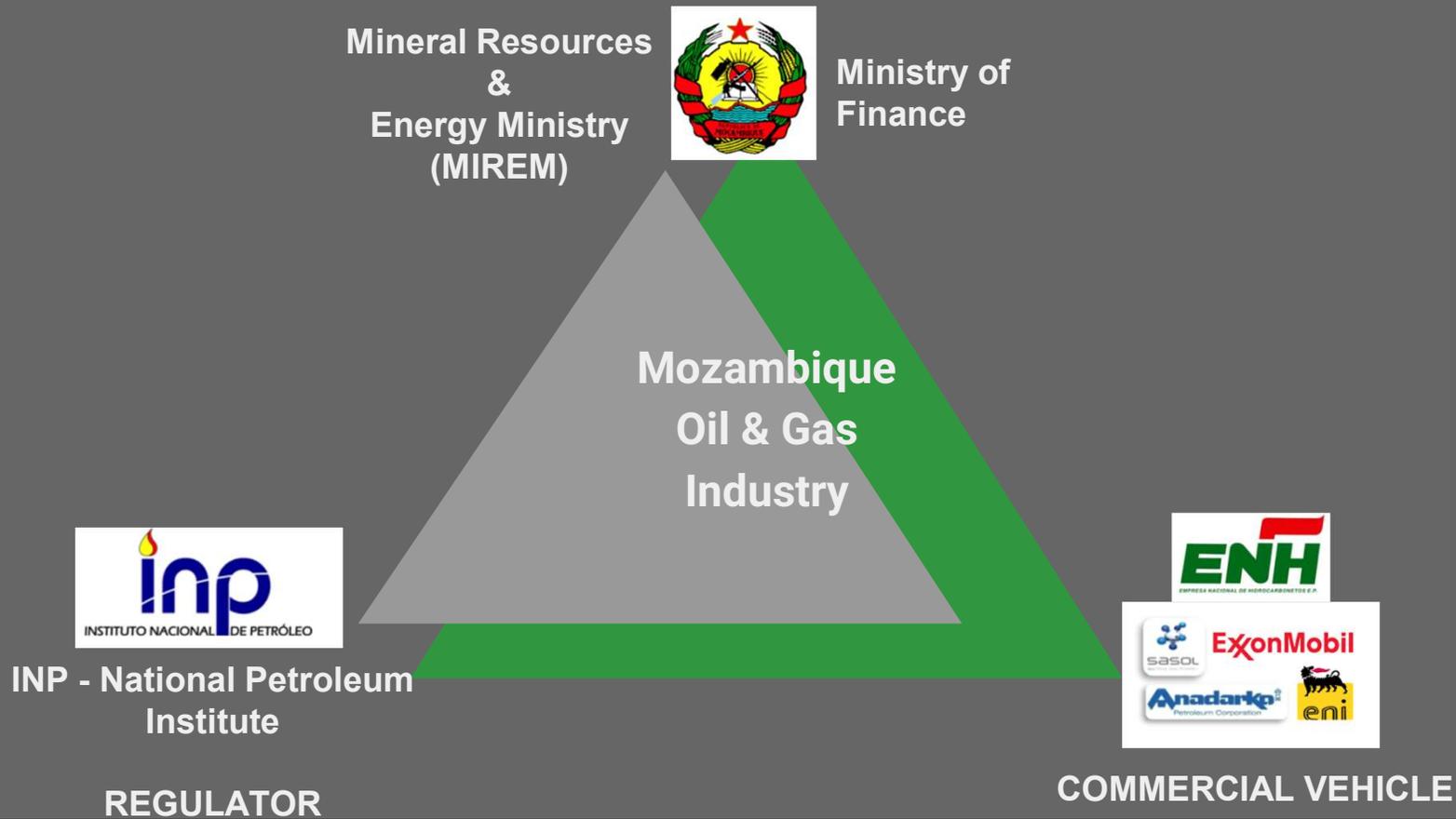
MOZAMBIQUE LOCATION VS POPULATION GROWTH



GDP	3.2
POPULATION	31.118.551
CURRENCY	Metical (\$1.0 - 62,4 Mt)
GROWTH RATE	2.88%/YEAR

Source: World metro

MOZAMBIQUE OIL & GAS STRUCTURE

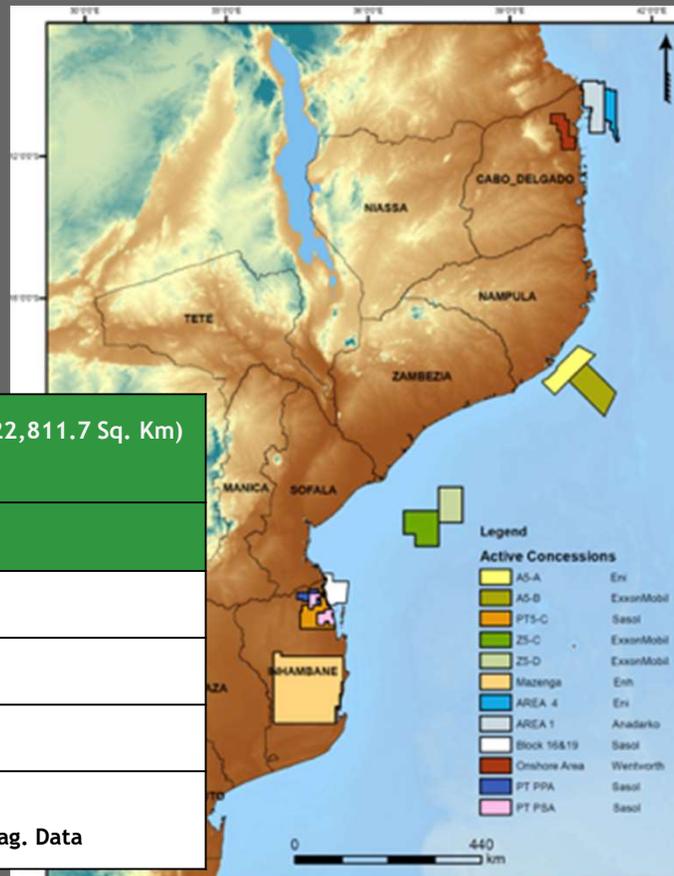


ENH SHARES PARTICIPATIONS IN OIL & GAS ACTIVITIES



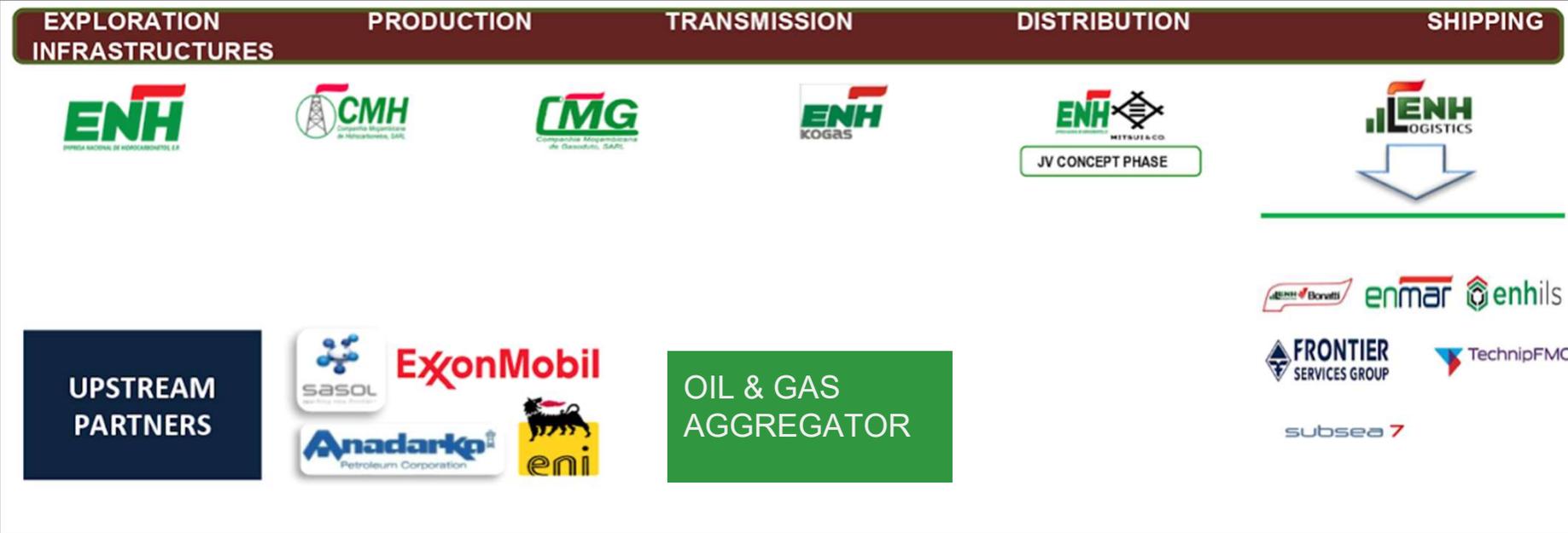
FARMIN BLOCK

ONSHORE - MAZENGA BLOCK	%	AREA MAZENGA (22,811.7 Sq. Km)
Operator	100	ENH
First Period Duration:	2 Years	
First Financial Commitment:	25 M\$	
First Period Work Commitment:	N/A	
First Period Work Commitment:	1,500 km of 2D 15,000 km Grav. Mag. Data	



AMA1	15%
Area#4	10%
Rov Onshore	30%
Angoche	
A5-A	15%
Zambeze	
A5-B/Z5-C/Z5-D	20%
PT/PSA	30%
PT5 - C	20%

ENH STRUCTURE vs ENH SPV's



FROM THE GAS DISCOVERIES TO ECONOMIC GROWTH

A collage of various news articles and advertisements. The articles are from sources like The Guardian, Financial Times, and CNN, all reporting on the discovery of massive natural gas fields off the coast of Mozambique. The advertisements include 'WORLD STANDARD COMPRESSORS', 'Become a digital subscriber today', and 'Support The Guardian'. Several text boxes with red borders highlight key headlines and sub-headlines from the news articles.

WORLD STANDARD COMPRESSORS

Get regular insight & a Sign up to our eNewsletter here

Become a digital subscriber today

Save 25% for a year

Support The Guardian
Available for everyone, funded by readers
Contribute → Subscribe →

The Guardian UK edition

News Opinion Sport Culture Lifestyle More

World Europe US Americas Asia Australia Middle East Africa Inequality Cities Global development

Mozambique

Boom time for Mozambique, once the basket case of Africa

As African lions outpace Asian tigers, one of the world's poorest states is moving from civil war bust to boom - but who will gain?

Massive Gas Fields Discovered Off Mozambique

International energy companies say they have discovered potentially massive natural gas fields off the coast of Mozambique.

The Italian energy firm ENI last month announced two major finds in the Mamba South gas fields off Mozambique's northeastern coast. The company said the field, located 45 kilometers off Cape Delgado province, could yield more than 22 trillion cubic feet of natural gas.

The announcement follows that of the American oil company Anadarko, which said its gas fields in the same area could yield up to 10 trillion cubic feet of natural gas. And, Britain's Cove Energy PLC estimates its exploitation field in the same area could eventually yield 40 trillion cubic feet of gas.

Gas fleets are expected to come on line between 2014 and 2016.

"It is big," noted Tony Twine is director and senior economist at Economist, South Africa's largest independent macro-economic consultant firm. "It would provide about \$150 billion at 2010 gas prices, it really is a significant find. Incidentally, \$150 billion is equivalent to ten full years of Mozambique gross domestic product. So relative to their other sources of income, this is massive."

Twine says the fields are huge by any standards and promise an enormous financial windfall for the country.

Related

- Robertson report
- Egypt Gas Pipeline to Jordan, Israel hit by 3 blasts
- Mining Arctic: Could be Major source of Greenhouse Gases
- Experts See Big Changes in World Energy Market
- More Africa Stories
- Body of Infant Recovered After Deadly Somalia Attack

FINANCIAL TIMES

Mozambique to become a gas supplier to world

Read M&A INSIGHTS you won't find elsewhere

Sub and

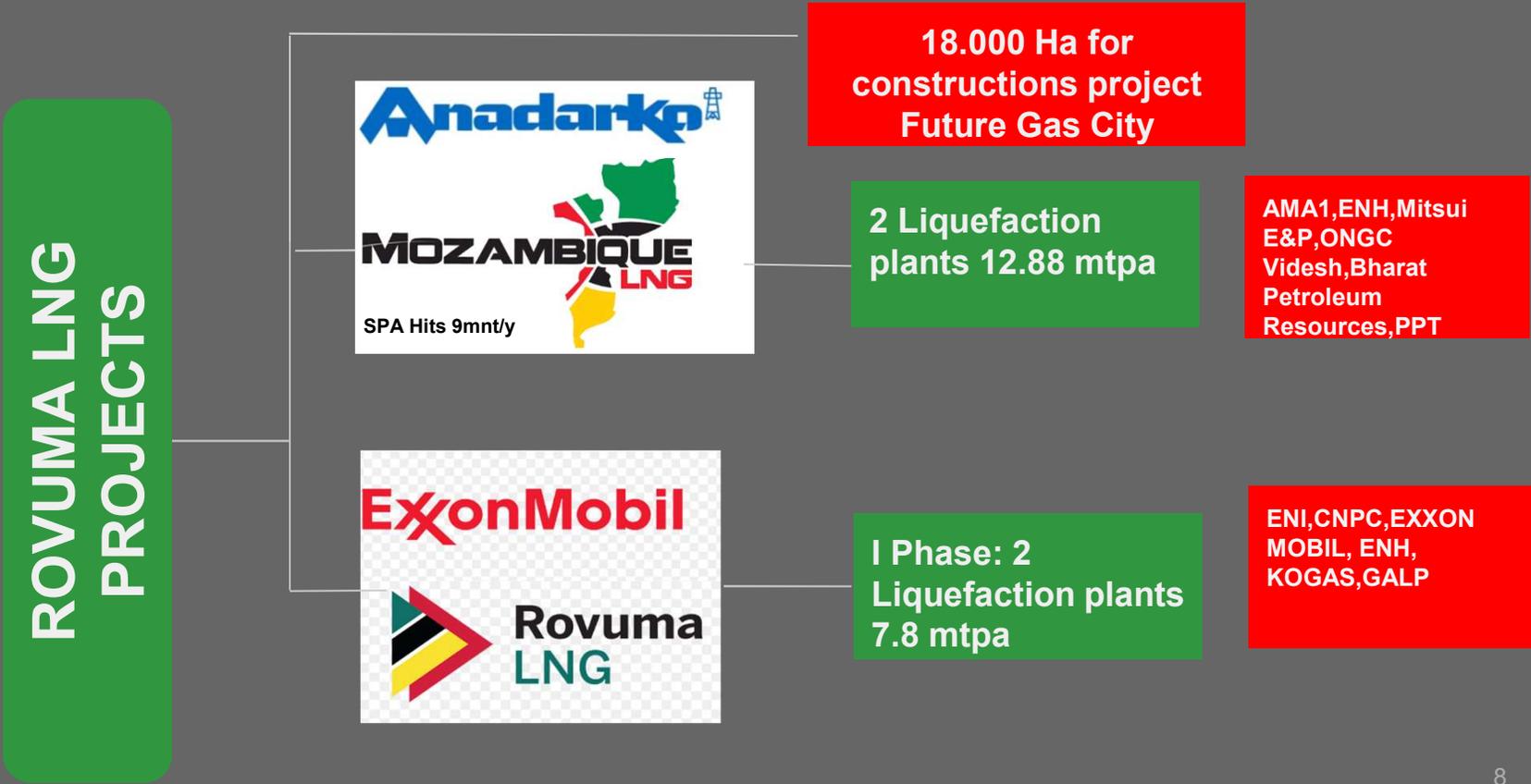
Massive gas discovery transforms Mozambique backwater into boomtown

Updated 12:46 GMT (2046 HKT) February 3, 2015

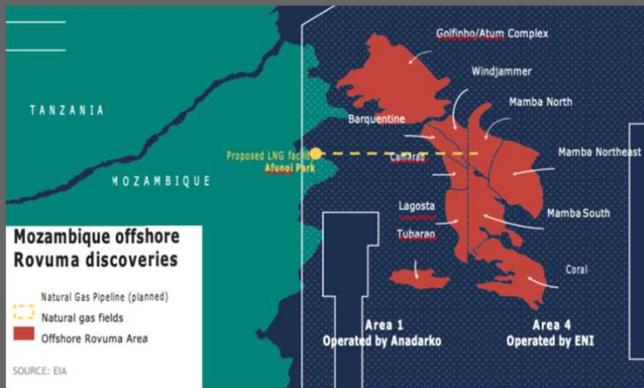
News & Buzz

- Warren: Trump overrules advice of intelligence community
- Erin Burnett calls out Trump's lie about Jared Kushner

PROJECT STRUCTURE VS LIQUEFACTION PLANT



THE ROVUMA BASIN MAIN DISCOVERIES & LNG PROJECTS



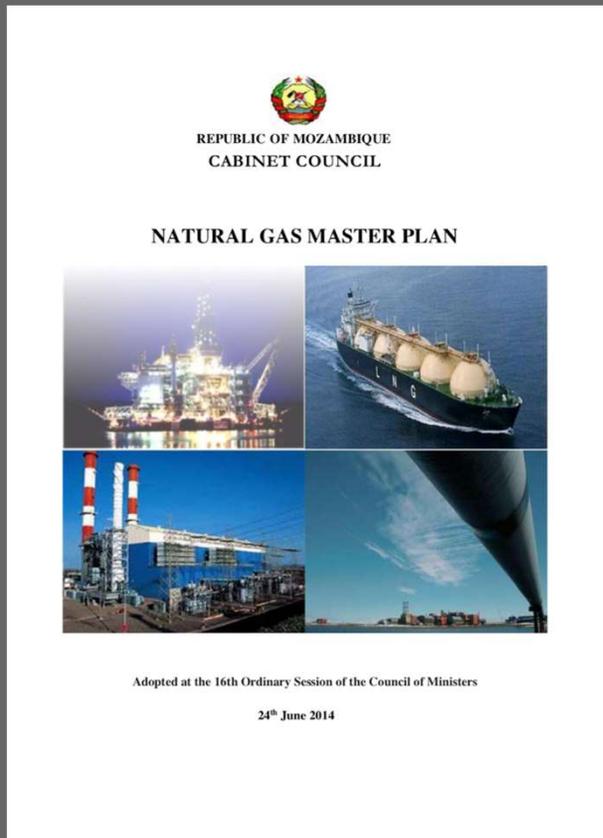
FID LNG PROJECT ON STREAM



- 2 trains LNG Facility
- 12.88 mtpa
- 5000 construction phase job
- 1500 long term jobs for mozambicans



MOZAMBIQUE GAS MASTER PLAN - MGMP



Growth in domestic public and private sector institutional competencies;

Growth in domestic industry and businesses, especially small and medium scale industries

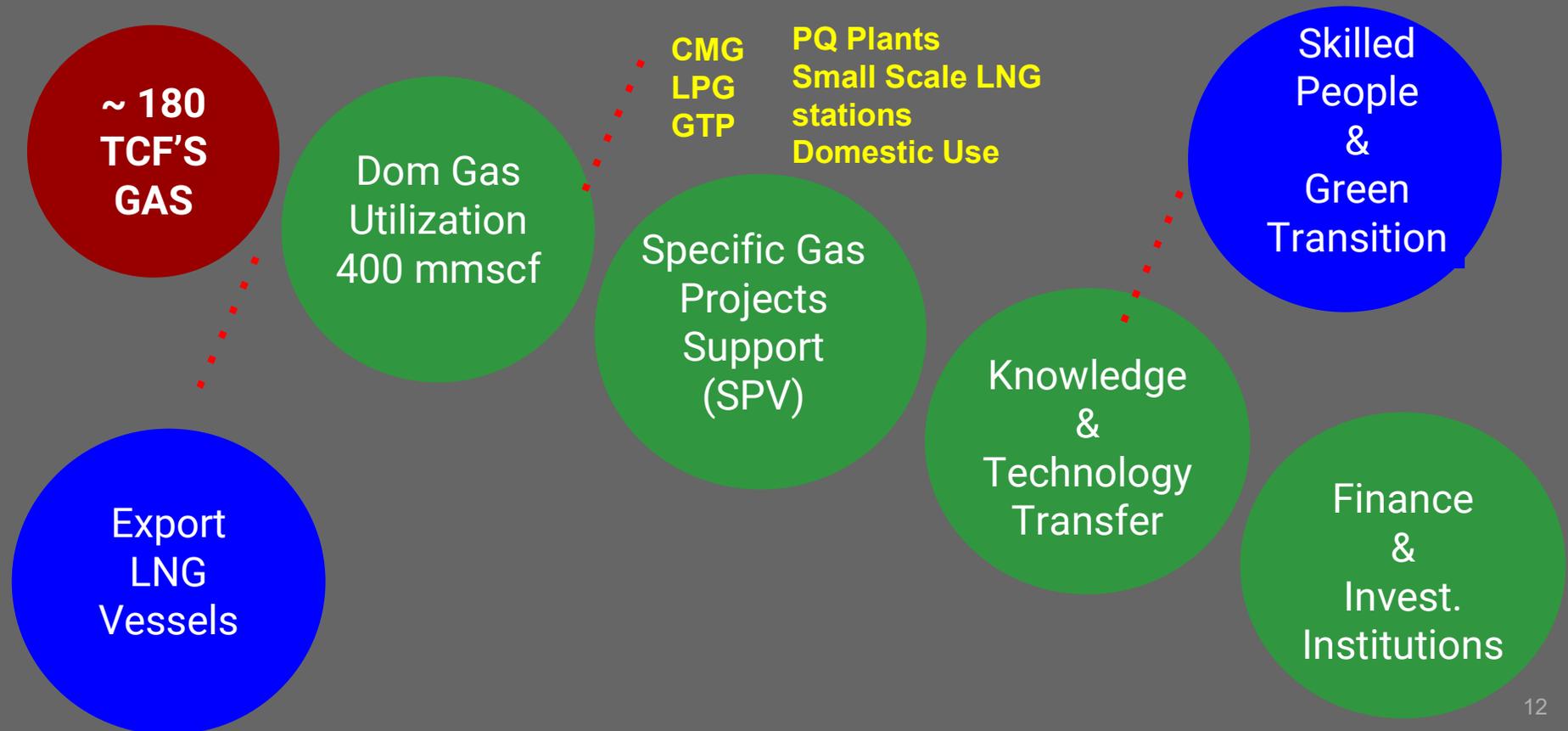
Increased employment across the country, especially less developed provinces

Infrastructure to support expanded economic activities, especially in less developed provinces, and

Expanded access to training and education in order to improve the quality of life for the people of Mozambique,

while minimizing adverse social and environmental impacts

BUSINESS MODEL CHALLENGES



FINAL REMARKS

**The country defines gas as source of their development:
The new assets Mazenga Block still open for farmin potentials investors**

Gas utilization may grant the future development and welfare of the citizens

The domestic gas provision in the GMP with improve the economy of the country

Moving the a green world, Mozambique intent to find K-parthners in order to develop applicable BM along to gas the value chain

In order to improve the growth economy (GDP) and contribute to improve to the Paris Agreement and improve the SDG

THANK YOU FOR YOUR ATTENTION

