RENERGEN FUTURE ENERGY, TODAY Investor Update Emerging natural gas and helium producer May 2020

Overview

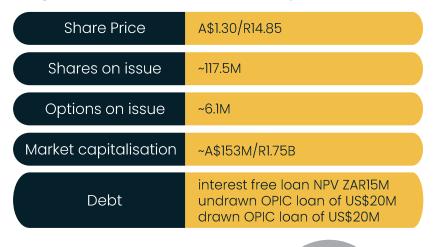


- Founded in 2014 & listed on the JSE Alternate Exchange (Alt^x) in 2015, and ASX in 2019
- Sole asset is its 100% shareholding in Tetra4 which holds the **first and currently only, onshore petroleum production right** in South Africa (Virginia Gas Project)
 - located in the Free State, about 250 km southwest of Johannesburg
 - first mover advantage on domestic distribution of natural gas
 - gas fields are situated in an energy scarce area, with high customer density and limited competition
- Business focus is on the commercialisation of the Virginia Gas Project significant proven reserve estimates of both helium and natural gas
 - average helium concentration of 3.4% with newest discovery containing up to 12% helium
 - purity of natural gas is also high (over 90% methane in original wells) with almost zero higher alkanes
 - currently has 12 wells which are production ready
- Started producing compressed natural gas which contains high concentrations of Helium in May 2016
 - current plant services buses in the region owned and operated by a large listed logistics company, KAP Industrial Limited, through its subsidiary **Megabus**
 - Signed off-take agreements with AB-InBev, Black Knight Logistics, BHIT and KAP Industrial



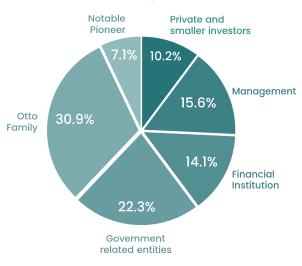
Company Structure and Shareholding

Capital Structure at 13 May 2020





Shareholding as at 31 January 2020



- Coverage report prepared by MST Access dated 28 January 2020 values Renergen at A\$2.12/share equivalent
- Coverage report prepared by Edison Investment Research dated 30 January 2020 values Renergen at A\$2.39/share equivalent







Management & Board



Stefano Marani CEO

B.Sc Actuarial Hons with +15 years experience working in structured finance for institutions including Deutsche Bank and Morgan Stanley. Instrumental in the acquisition of Tetra4 and founding shareholder in Renergen.



Nick Mitchell COO

Experienced Network Engineer with experience in developing infrastructure projects in Africa. Instrumental in the acquisition of Tetra4 and is the current Chairman of the Onshore Petroleum Association of South Africa (ONPASA).



Fulu Ravele CFO

Chartered Account with +10 years experience working for institutions including Deloitte and Barclays Capital.



Brett Kimber Chairman

Senior executive with +25 years experience working for the Anglo American, Linde Group and Aliaxas Group.
Honours in both Mineral Economics and geochemistry.
Brett is currently the Managing Director of Eazi Access Group.



Francois Olivier
Non-Executive Director

Francois Olivier is a portfolio manager and executive committee member at Mazi Asset Management. He has 19 years of investment research and portfolio management experience, the first seven of which were spent in the USA.



David King Non-Executive Director Australia

Dr King was a founder and director of Sapex Ltd, Gas2Grid Ltd and Eastern Star Gas Ltd. He has substantial natural resource related experience, having previously served as managing director of North Flinders Mines Ltd and CEO of Beach Petroleum and Claremont Petroleum.



Bane Maleke Non-Executive Director

20 years in senior management at the Development Bank of South Africa and held the position of Regional Executive for the SADC and East Africa Regions.



Mbali Swana
Non-Executive Director

Mbali is the chief executive officer of Prop5 Corporation Proprietary Limited, a turnkey built environment infrastructure and engineered products developer which he founded in 1986.



Luigi Matteucci Non-Executive Director

Experienced executive who actively consults on strategic and business development initiatives in the mining and engineering field.





Executive Summary



Gas producer in SA with helium & LNG production in 2021



Only exposure to helium on the ASX



Experienced team with material ownership



Significant gas and helium reserves



Helium is a rare element without substitutes



Strong helium demand & supply fundamentals



Helium prices have gone up 460% in the last 11 years



Helium concentrations up to 20x the global average





Reserves & Resources - Virginia Project

Reserves	Total Proved (1P)	Probable	Proved + Probable (2P)	Possible	Proved + Probable + Possible (3P)
Methane (BCF)	40.76	98.23	138.99	145.18	284.18
Helium (BCF)	1.01	2.39	3.41	3.45	6.86

Contingent Resources	Low Case (C1)	Best Case (C2)	High case (C3)
Methane (BCF)	237.3	435.9	648.5
Helium (BCF)	7.9	14.4	20.9

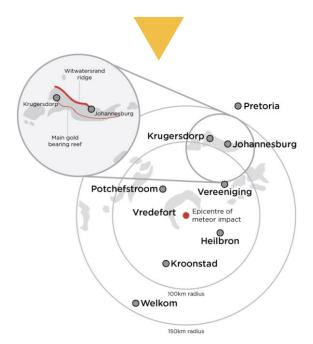
Prospective Resources	Low Case	Best Case	High case
Methane (BCF)	640	1,278	2,069

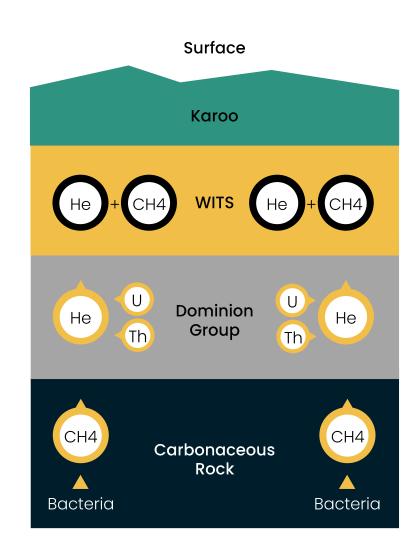


Why is the Gas There?



Meteor trapped heavy metals in the crater















Helium Uses – "Irreplaceable without Substitutes"

Helium uses

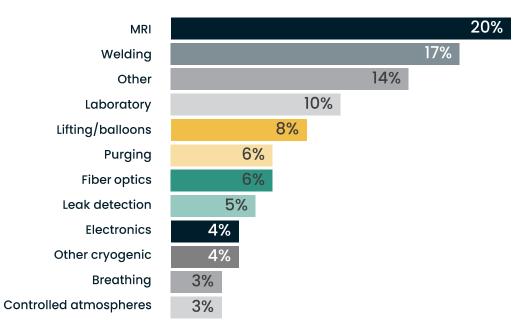
Helium is a vital and irreplaceable element in many modern industries

Why is helium important?

- Helium is a rare commodity
- Helium becomes economically viable to extract from natural gas at concentrations as low as 0.1%
- The Virginia Gas Project's average concentration of helium is 3.4%
- Tetra4 is placed at the forefront of exciting new discoveries for global helium supply

The properties of helium

Helium is best known for being lighter than air, but it actually has many unique qualities that make it important for applications in technology.





Inert
Doesn't react
chemically with
other elements



Non-toxic
It's colourless,
odorless and
tasteless



Lighter than airAbility to lift and/or float



Boiling point -268.9°C Does not solidify at atmospheric

pressure



Superfluid
The only substance
with no viscosity in
liquid form making it
critical in use for high
energy physics





Helium Uses – "Strong Supply & Demand Dynamics"

Key Considerations



- Estimates vary but annual usage is 6-7BCF (28m 32m kg) worth \$US6bn
- US is the largest user of helium, accounting for 41% of current global demand
- Increased penetration of MRI in emerging markets
- Growth in electronics, semiconductors, LCD and fibre optics mainly from South East Asia



- USA is the world's leading helium supplier with ~ 55% share of global supply in 2016, followed by Qatar with ~32% (Source: USGS)
- Qatar and Russia have been unreliable sources of helium supply
- Blockade of Qatar has reduced world supply and impacted price
- Supply is diminishing with the US Bureau of Land Management having announced a permanent shut down with the last auction having occured in August 2018
- Hugoton field winding down, with production forecast < 500 MMSCF per anum



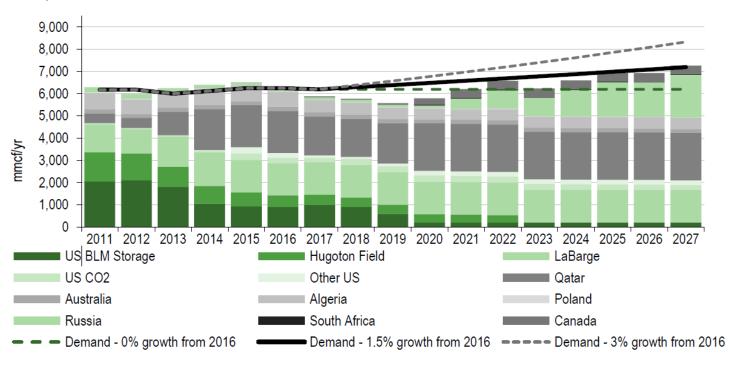
- Space agencies (China, India, SpaceX)
- According to Deloitte's 2019 report
 "Global health care outlook", the
 number of private hospitals in China
 doubled to 18,759 from 2011 to 2017
 which represents a compound
 growth of over 12% in the private
 health care sector alone
- The world's only primary helium supply, the USA Federal reserve goes offline to the public sector in 2021, due to depletion
- Qatar's supply remains volatile given the situation in the Middle East





Global Helium Supply & Demand

Global supply and forecast, Edison Investment Research compiled November 2017



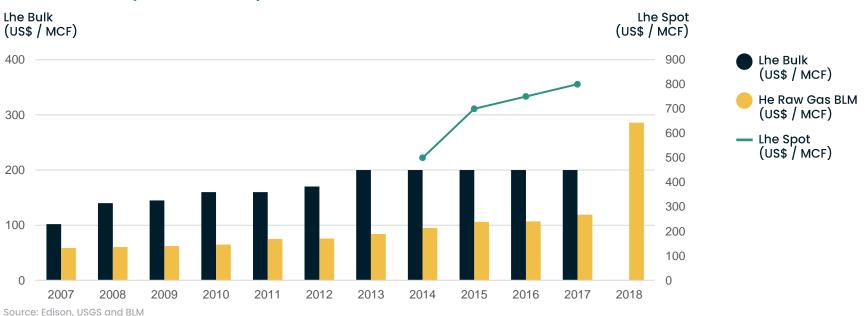
Edison Global Research is of the opinion that there is likely to be a global shortage of helium supply starting in 2019 and continuing until new planned projects in Qatar and Russia come online, planned for 2020 and 2021 respectively. There is no way of manufacturing helium artificially and existing naturally occurring resources are finite.





Helium Price – "Significant Upswing"

LHe Bulk & Spot Helium prices



- The helium BLM auction prices have increased by over 460% since 2007
- Each year the US government auctions helium from the Federal Reserve with 2018 prices ~US\$280 / MCF
- Private industry Grade-A (99.99%) helium was estimated to be selling for US\$200 / MCF in 2017, with current estimates significantly higher
- Contract based pricing with long term take or pay supply contracts with industrial companies
- It has been reported that recent private auctions attracted prices of over US\$1,000 / MCF





The South African Gas Market

- Natural gas is currently imported via pipeline from Mozambique by Sasol
- Pipeline runs to Johannesburg reticulated to customers via low pressure pipeline
- Majority of imported gas is used by Sasol for its petrochemicals business
 - estimated **shortfall of gas** in Johannesburg of up to 80 million GJ/annum
 - Industrial Gas Users Association of Southern Africa predicts gas supply crunch imminent, with Sasol's Mozambican field in depletion
- Pipeline natural gas sold at low pressure for ZAR 120/GJ
- LPG is widely sold to industrial customers not on the pipeline in Johannesburg at a similar price to diesel
 - LPG in South Africa is low quality, being predominantly butane
- Estimated daily LPG consumption in SA of 10,000 barrels equivalent per day (>61,000GJ)
- ~377 090 heavy duty trucks registered in South Africa



Renergen's supply in 5 years time is estimated at ~10,000 GJ/day

Less than 1% of trucking market or ~13% of the domestic LPG market



Business Verticals - "Wellhead to Tank"

Ownership of end user in 4 market segments

Power generation

- Gas to power using small generators, with heat recapture for steam generation for clients
- Combined sale of heat and power yields highly competitive economics

Industrial users

- Substitution of significantly more expensive Liquid Petroleum Gas (LPG) with natural gas
- Typically very large-scale users of energy for thermal purposes

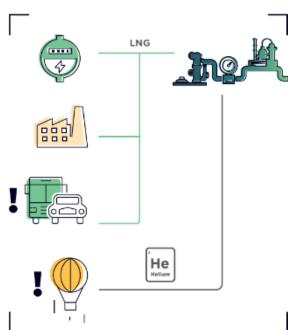
Liquid fuel substitution

- Dual fuel applications for trucks and busses, reducing emissions and running costs
- Tetra4 will establish refilling depos in Johannesburg, Cape Town, Durban, Bloemfontein, Harrismith and Port Elizabeth

Helium

- Significant export potential given South Africa's strategic location
- Helium can only travel for 45 days in containers before venting payload

Vertically integrated businessfrom wellhead to tank

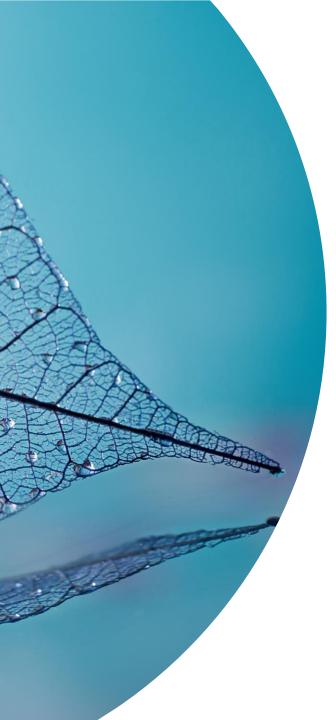








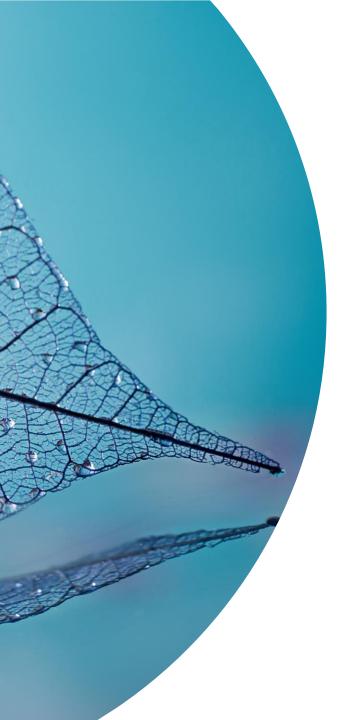
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Plant After Expansion







Natural Gas Instead of Diesel

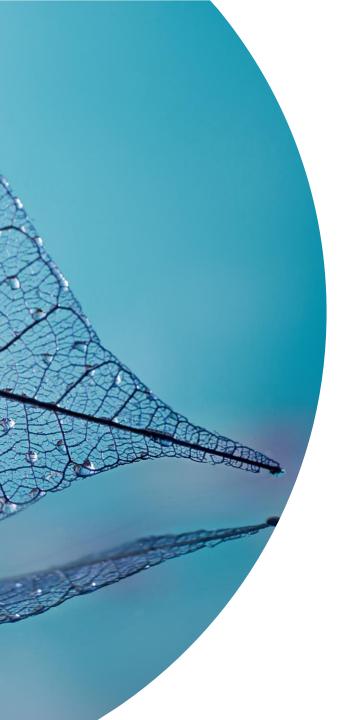
Tetra4 Diesel Dual Fuel (DDF) truck



Dedicated NG Engines -Megabus CNG buses

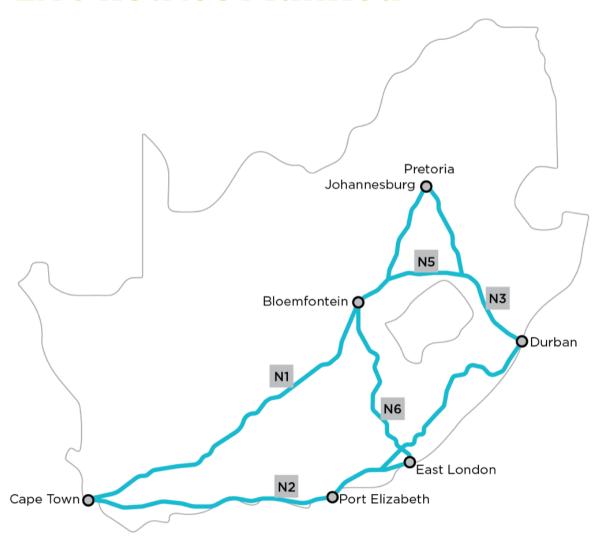


- Over 1.7 million km with CNG on Megabus buses in Virginia
- Extended maintenance intervals
- Reduced CO2 emissions by over 2.1 million kilograms





LNG Routes Planned

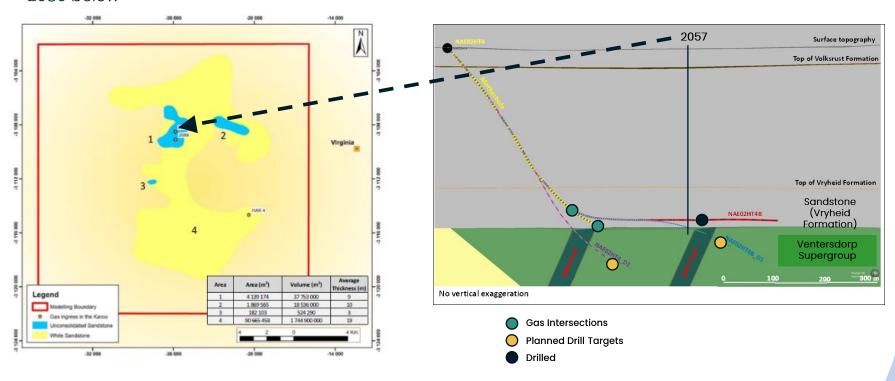






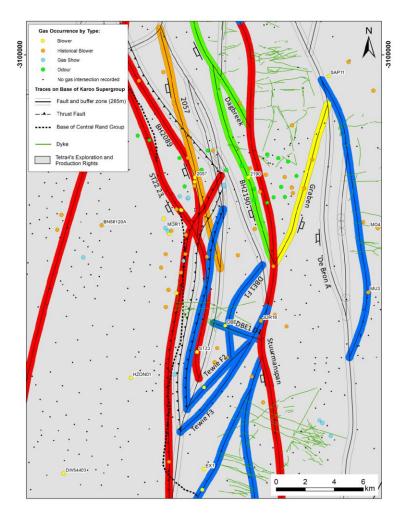
Exploration of Sandstone

- In 2016, hole 2057 was drilled vertically and intersected 11% helium just below the Vryheid formation in the sandstone
- In October 2019 it was decided to drill a horizontal well into the sandstone around 2057 to explore the potential for high concentration helium
- December 2019 saw the discovery of 12% helium in the "motherhole" below the base of the Karoo
- The flow reached 850,000 scf/d during initial testing. Gas found originating from faults 2057 and 2089 below



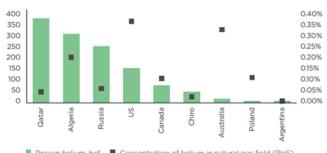


Exploration



- Shango Solutions, Renergen's geological consultants, have spent almost a year compiling data and building a 3D model from surrounding borehole logs from gold mining companies in the area
- The diagram shows identified faults lying beneath the sandstone within Renergen's production right, along with the coordinates of where gas was intersected in these faults
- The faults 2057 and 2089 produce helium up to 12%, whereas the rest of the field at around 2% to 3%
- The table below indicates average concentrations of helium in the gas in other jurisdictions

Reserves of helium globally, including from natural gas fields



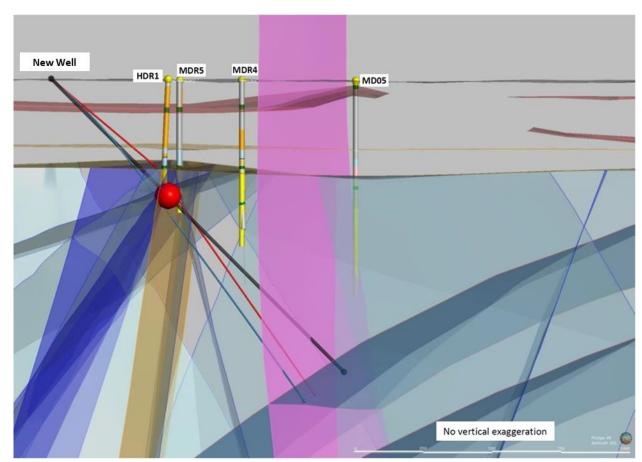
Source: BLM "BLM — Determination of fair market value pricing of crude Helium." Note: Proven helium reserves are given in bcf. Estimates made in 2013.



RENERGEN

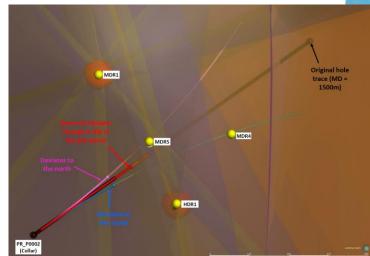
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Inclined Drilling



The diagram above indicates the planned well (black), with the targeted faults represented by the 2-demsional planes

- We recently announced the contract award to drill the first inclined well, 45 degrees to the vertical
- The field doesn't have a conventional reservoir, but rather gas permeating up through faults and fissures
- These lie subvertical, so drilling conventional vertical wells makes them difficult targets
- This well will prove the efficacy of drilling slanted wells to improve gas recoverability



The diagram to the right shows the aerial view of the inclined well with the faults, along with existing vertical wells MDR1, MDR5, HDR1 and MDR4





FAQ

Why list on the ASX when already listed on the JSE?

- Despite the market cap of the ASX and JSE being relatively similar (12th vs 19th ranked globally as of November 2018), ASX has more than 200 listed energy companies and more than 600 mining companies. JSE has a total of around 400 companies across all sectors, implying by comparison that companies on the JSE tend to be of a significantly larger market cap
 - The top 100 JSE companies represent 88.4% of the total market cap, with the average per company of A\$9.4bn (according to data provided by the JSE from 2018)
 - By contrast, 84% of the total market capitalization of the ASX is comprised of companies with a market capitalization of less than A\$500m (according to data provided by the ASX over the same period)
 - Renergen is unique to the JSE, as its only listed domestic oil and gas company, hence no domestic research coverage. The ASX has over 200 listed energy companies
 - Limited research and domestic comparables means liquidity will be limited on the JSE

Is the stock fungible on both exchanges?

Yes. 1 CDI on the ASX is equivalent to 1 share on the JSE. A
CDI on the ASX can be migrated to the JSE, and a share on
the JSE can be migrated to the ASX. This process is done
through Computershare, but you need a broker both in
Australia and South Africa

How has COVID-19 impacted the business?

- Operations:
 - We halted the supply of gas temporarily in the pilot project, but have subsequently resumed the supply of gas to Megabus. We are now exploring supply to Johannesburg for Black Knight
- Construction:
 - The plant is being manufactured in China, and so delays have been minimal, given how quickly China reacted; potential delays have not yet been quantified
 - The pipeline construction to join the wells has been halted at this stage. Fortunately the pipeline was intended to be complete five months prior to the plant arriving, so this is not delaying the project
- Exploration:
 - The exploration program was impacted. We only recently announced resumption of drilling, which means that we are only likely to see an updated Reserve Report in Q3 of this calendar year, so the full extent of Phase II will only be announced thereafter, around 6 months behind the original schedule
- Balance sheet:
 - We remain in a strong financial position, and plan to draw the next tranche of the OPIC loan to further construction progress





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