Green helium for a high-tech world.

ASX Release

23 October 2023

Rig#16 Ready to Commence Drilling

Noble Helium Limited (ASX:NHE) ("Noble Helium" or "the Company") is pleased to provide an update on rig-up of the Marriott Rig #16 at the Mbelele-1 site at the Company's North Rukwa Helium Project in Tanzania.

Over the weekend, Marriott Rig #16, with all SLB services equipment integrated, passed final acceptance testing to the Company's satisfaction for its maiden helium exploration well Mbelele-1. The rig is now fully tested as accepted as operationally ready.

With this milestone, the well control certificate of insurance can now be issued, allowing the Company to direct Marriott to commence drilling.

Marriott Rig #16 fully rigged up, ready to commence drilling

Clockwise from top left: Last-minute checks of the crown block; Pre-spud meeting with the full drilling team; Setting up drill string in the mouse hole; Attaching the first drill bit to the Mbelele-1 BHA (Bottom Hole Assembly), in preparation for spud.

CEO Justyn Wood commented:

"Rig-up and thorough testing of Marriott rig#16 and all the associated services has been very measured and perhaps taken longer than we would have liked. We're now satisfied the rig and the myriad of control and measurement systems are absolutely 100% functional and safe to go."

"In our favour is an historically dry October and the forecast for November is similar. We still expect to complete Mbelele-1, move to Mbelele-2 and complete our maiden drilling program and stack the rig ahead of onset of the wet season."

This announcement has been authorised for release on ASX by Noble Helium's Board of Directors.

For further information:

Justyn Wood
Co-Founder and CEO
Noble Helium Limited
justyn@noblehelium.com.au
+61 410 626 261

Gareth Quinn
Managing Director
Republic PR
gareth@republicpr.com.au
+61 407 711 108

Forward-looking statements

This announcement may contain certain "forward-looking statements". Forward looking statements can generally be identified by the use of forward-looking words such as, "expect", "should", "could", "may", "predict", "plan", "will", "believe", "forecast", "estimate", "target" and other similar expressions. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. Forward-looking statements, opinions and estimates provided in this presentation are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward-looking statements including projections, guidance on future earnings and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance.

Competent Persons Statement

The technical information provided in this announcement has been compiled by Mr. Ashley Howlett, Exploration Manager, Professor Andrew Garnett, Non-Executive Director, and Mr. Justyn Wood, Chief Executive Officer, all of Noble Helium Limited. The resource estimates have been prepared in accordance with the definitions and guidelines set forth in the Petroleum Resources Management System, 2018, approved by the Society of Petroleum Engineers.

Mr Howlett is a qualified geologist with over 20 years technical, and management experience in exploration for, appraisal and development of, oil and gas resources. Mr Howlett has reviewed the results, procedures and data contained in this announcement and consents to the inclusion in this announcement of the matters based on the information in the form and context in which it appears.

Cautionary Statement for Prospective Resource Estimates

With respect to the Prospective Resource estimates contained within this report, it should be noted that the estimated quantities of gas that may potentially be recovered by the future application of a development project relate to undiscovered accumulations. These estimates have an associated risk of discovery and risk of development. Further exploration and appraisal is required to determine the existence of a significant quantity of potentially moveable helium.

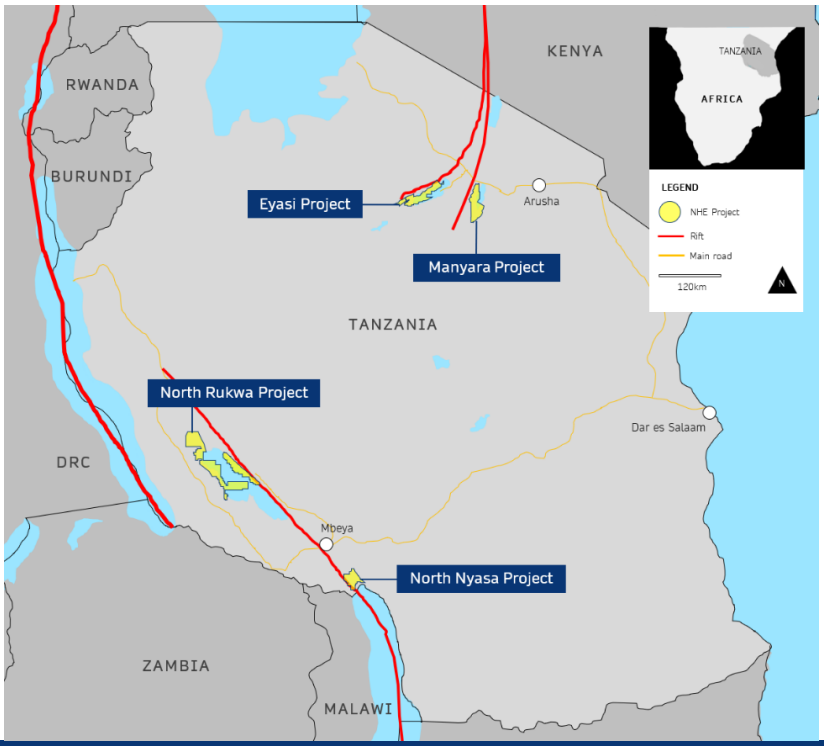
Green helium for a high-tech world.

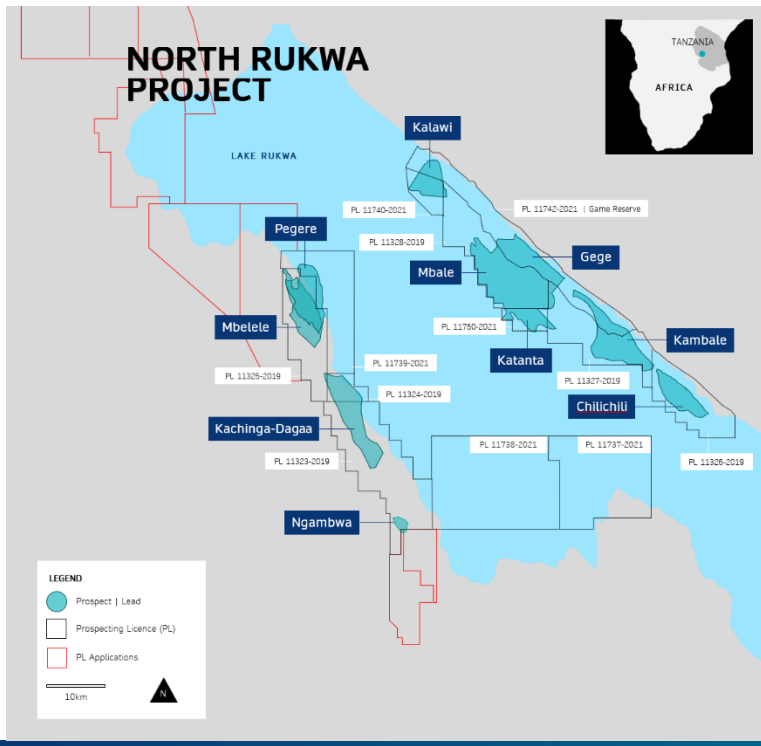
Noble Helium is answering the world's growing need for a primary, ideally carbon-free, and geo-politically independent source of helium. Located along Tanzania's East African Rift System, the Company's four projects are being advanced according to the highest ESG benchmarks to serve the increasing supply chain fragility and supply-demand imbalance for this scarce, tech-critical and high-value industrial gas.

Our flagship North Rukwa Project has an independently certified, summed unrisked mean Prospective Helium Resource of 176 billion cubic feet (equivalent to approximately 30 years' supply). The project lies within the Rukwa Basin, which has the potential to be the world's third largest helium reserve behind USA and Qatar.

Priced at up to 50 times the price of LNG in liquid form, helium is now essential to many modern applications as an irreplaceable element in vital hi-tech products such as computer and smartphone components, MRI systems, medical treatments, superconducting magnets, fibre optic cables, microscopes, particle accelerators, and space rocket launches – NASA is a major consumer. Rising demand and constrained supply are fuelling growth prospects within the global marketplace, particularly for cleaner "green helium" sourced from non-carbon environments. At present, more than 95% of the world's helium is produced as a by-product of the processing of hydrocarbon-bearing gas.

Additionally, Noble Helium has commissioned the first ever Helium Atlas, with an exclusive five-year agreement allowing the Company to identify additional prospective areas to target for diversification. The Atlas uniquely positions Noble Helium as a world leading helium explorer.





Noble Helium Limited
ACN 603 664 268

Level 8, London House
216 St Georges Terrace
Perth WA 6000

E: info@noblehelium.com.au
T: 08 9481 0389
www.noblehelium.com.au