

## RENERGEN LIMITED

Incorporated in the Republic of South Africa

(Registration number: 2014/195093/06)

JSE Share code: REN

A2X Share code: REN

ISIN: ZAE000202610

LEI: 378900B1512179F35A69

Australian Business Number (ABN): 93 998 352 675

ASX Share code: RLT

("Renergen" or "the Company" or "the Group")



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## LIQUID HELIUM PRODUCTION ONLINE

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The Company is pleased to announce that the liquid helium production train is now fully operational and accumulating liquid helium (LHe) inventory for sale to our customers, whose Iso-container is scheduled to arrive later this month for filling.

The Company has taken over complete operational control of the phase 1 plant from the original equipment manufacturer (OEM) who has departed South Africa. Since July 19, 2024, the plant has been producing LHe, initially utilising the output to cool the vacuum jacketed pipelines and the inline helium storage tank to ~ 4.5 kelvin, a prerequisite to ensure that LHe from the Helium separator once sent to storage remains liquid.

The optimisation efforts during the commissioning phase have also yielded impressive results, evidenced by a significant reduction in timelines for the plant start up and cooldown processes. For context, the initial startup and cooldown of the integrated LNG/LHe plant took over 65 days, while the most recent cooldown was accomplished in just 9 days.

As previously communicated in our announcement on June 11, 2024, <https://www.renergen.co.za/liquid-helium-progress/> a helium specialist from the United States has been on-site since July 26, with our project, operations, and engineering teams providing expert guidance through plant performance optimisation, fine tuning production operation and control methodologies. His experience with several cryogenic helium plants has helped our team greatly shorten what is typically accepted as an iterative process to optimal performance. We intend to extend his service beyond this phase into ongoing support, and will also encompass LHe elements of our Phase 2 project.

"Despite the challenges encountered in reaching this milestone, we are thrilled to have achieved this significant development and to commence LHe sales to our customers. Our team has unequivocally demonstrated its capability to manage and operate this facility effectively in the face of challenges and under extreme pressure.

The board and executive management take immense pride in this achievement, and we thank every one of our team who have worked tirelessly and made enormous personal sacrifices to make this objective a reality. It demonstrates our culture and shared values, passion and commitment that we collectively bring to the table each and every day. We can now declare South Africa one of a select few countries worldwide to produce liquid helium for the global market", as stated by CEO Stefano Marani.

Johannesburg  
9 August 2024

Authorised by: Stefano Marani  
Chief Executive Officer

Designated Advisor  
PSG Capital

To readers reviewing this announcement on the Stock Exchange News Service (SENS), this announcement may contain graphics and/or images which can be found in the PDF version posted on the Company's website.

[www.renergen.co.za](http://www.renergen.co.za)

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