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CleanTech Lithium PLC
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("CleanTech Lithium" or the "Company")

Collaboration with DuPont Water Solutions to Test Lithium Processing Technology

CleanTech Lithium (AIM: CTL), an innovative sustainable lithium developer in Chile, is collaborating with DuPont Water Solutions, a business unit of DuPont, to test lithium processing technology. DuPont has developed a new nanofiltration (NF) membrane technology for high lithium recovery. This will be tested in CleanTech Lithium's direct lithium extraction (DLE) downstream process.

The role of the NF is to remove impurities and maximise lithium recovery. DuPont's new NF membrane element (named FilmTec™ LiNE-XD nanofiltration elements) is specifically designed for the lithium sector and will be tested in CTL´s next scheduled phase of post-DLE pilot plant testing. CTL is implementing NF following the eluate concentration stage which utilises industrial forward osmosis (iFO™) in the concentrating of lithium and reduction of boron. CleanTech Lithium is investigating the potential of these technologies to eliminate the need for thermal evaporation (TE) and crystallisation in production of battery grade lithium carbonate, which would result in potentially significant CAPEX savings.

Ignacio Mehech, CEO, CleanTech Lithium, said:
"Our collaboration on testing a new NF membrane developed by DuPont for high selectivity in removing impurities while maximising lithium recovery, is in line with CleanTech Lithium's mission to deliver efficient and sustainable lithium extraction. By leveraging advanced membrane technology, we aim to test if battery-grade lithium carbonate can be produced without the need for thermal evaporation and crystallisation, resulting in potential cost savings and increased efficiency. We look forward to validating this through our upcoming pilot plant downstream operations with our partner Conductive Energy."

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CleanTech Lithium PLC

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Notes

About DuPont

DuPont (NYSE: DD) is a global innovation leader with technology-based materials and solutions that help transform industries and everyday life. Our employees apply diverse science and expertise to help customers advance their best ideas and deliver essential innovations in key markets including electronics, transportation, construction, water, healthcare and worker safety. More information about the company, its businesses and solutions can be found at www.dupont.com. Investors can access information included on the Investor Relations section of the website at investors.dupont.com.

About CleanTech Lithium

CleanTech Lithium (AIM:CTL, Frankfurt:T2N) is an exploration and development company advancing lithium projects in Chile for the clean energy transition. CleanTech Lithium has two key lithium projects in Chile, Laguna Verde and Viento Andino, and exploration stage project in Arenas Blancas (Salar de Atacama), located in the lithium triangle, a leading centre for battery grade lithium production.

The two most advanced projects: Laguna Verde and Viento Andino are situated within basins controlled by the Company, which affords significant potential development and operational advantages. All three projects have good access to existing infrastructure.

CleanTech Lithium is committed to utilising Direct Lithium Extraction ("DLE") with reinjection of spent brine resulting in no aquifer depletion. Direct Lithium Extraction is a transformative technology which removes lithium from brine with higher recoveries, short development lead times and no extensive evaporation pond construction. For more information, please visit: www.ctlithium.com

****ENDS****

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