



## ESGL Holdings Limited Files Patent for Transformative Hydrofluoric Waste Recycling Innovation

September 2, 2025

SINGAPORE, Sept. 02, 2025 (GLOBE NEWSWIRE) -- ESGL Holdings Limited (NASDAQ: ESGL), a leading carbon neutral, innovative enviro-tech company regenerating industrial waste into circular products, through its subsidiary Environmental Solutions Asia Pte Ltd ("ESA"), has filed a patent application (reference number 10202502493R) with the Intellectual Property Office of Singapore (IPOS) for its groundbreaking technology to convert hydrofluoric acid (HF) wastes into **Metallurgical-Grade Fluorspar**.

This innovative process transforms hazardous Hydrofluoric waste into valuable materials for industrial applications, such as construction and steel making, while significantly reducing carbon emissions compared to traditional mining. The invention showcases ESA's commitment to sustainability by turning waste into opportunity and advancing the circular economy.

"This request for grant of patent represents a leap forward in sustainable waste management, creating environmental and economic value from hazardous materials," said Lawrence Law, Chief Sustainability and Strategy Officer.

Aligned with ESAs carbon-neutral operations, this technology strengthens the company's leadership in delivering sustainable industrial solutions.

### About ESGL Holdings Limited

ESGL Holdings Limited is a Singapore-based carbon-neutral enviro-tech company dedicated to transforming industrial waste into circular products. With a commitment to sustainable waste management solutions, ESGL is a leading player in the environmental solutions industry. ESGL conducts all its operations through its operating entity incorporated in Singapore, Environmental Solutions (Asia) Pte. Ltd. For more information, including the Company's filings with the SEC, please visit <https://esgl.asia>.

### Forward-Looking Statements

Certain statements in this press release may be considered to contain certain "forward-looking statements" within the meaning of "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements can be identified by words such as: "target," "believe," "expect," "will," "shall," "may," "anticipate," "estimate," "would," "positioned," "future," "forecast," "intend," "plan," "project" and other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based only on ESGL management's current beliefs, expectations, and assumptions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks, and changes in circumstances that are difficult to predict and many of which are outside of our control. Actual results and outcomes may differ materially from those indicated in the forward-looking statements. Therefore, you should not rely on any of these forward-looking statements.

A further list and description of risks and uncertainties can be found in documents filed with the Securities and Exchange Commission ("SEC") by ESGL and other documents that we may file or furnish with the SEC, which you are encouraged to read. Any forward-looking statement made by us in this press release is based only on information currently available to the Company and speaks only as of the date on which it is made. The Company undertakes no obligation to publicly update any forward-looking statement, whether written or oral, that may be made from time to time, whether as a result of new information, future developments, or otherwise, except as required by law.

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