

SusPhos to Unveil Process for Producing Phosphate from Waste at CES 2024

SusPhos creates phosphate from sewage sludge ashes, providing a true alternative to phosphate products produced from fossil sources used in e.g. fertilizers.

LEEWARDEN, THE NETHERLANDS - JANUARY 08, 2024 - [SusPhos](#), a company focused on upcycling phosphate-rich waste streams, today announced plans to debut its novel circular a new method of producing phosphate from waste at [CES 2024](#). Phosphate is one of the world's most widely used fertilizers and provides a quarter of the nutrients plants need for sustenance. Phosphate products are usually produced via fossil production and have significant environmental drawbacks. The SusPhos process extracts phosphate from waste streams and is sustainable and economically viable. SusPhos will showcase its technology as part of the NL Tech Pavilion in Eureka Park at the Venetian Expo, Booth 62100, from January 9 - 12, 2024.

Phosphate products are essential for food production: SusPhos has developed a process design to produce these products from alternative feedstock (sewage sludge ashes) instead of depleted fossil mines. The resulting products are comparable to the traditionally sourced products and can be used directly by the fertilizer industry.

“Our multi-patented process signifies our unwavering commitment to reshaping industries while ensuring a responsible and sustainable future,” said Marissa de Boer, CEO of SusPhos: “We firmly believe that by replacing fossil mining practices, we’re not just innovating: we’re safeguarding essential raw resources vital for life.”

The crux of the SusPhos process is producing circular sustainable phosphate products as an alternative to the heavily polluting linear fossil production process. Different end-products are possible, depending on the preferences of the area and intended use, both as liquid as well as crystalline solid product.



The benefits of SusPhos include:

- **Utilizes Circular Technology:** Circular technology produces the key compound for fertilizer with essentially no waste. Traditional phosphate mining damages the environment, producing roughly eight pounds of waste per two pounds of phosphate
- **Reduces Dependence on Fossil Fuels:** Regenerating waste fosters independence from a limited number of fossil sources, which are depleted in 100 years, and are in geopolitically sensitive areas.
- **Sustainable and Energy Efficient:** SusPhos utilizes an energy-efficient process, not the traditional processes for producing phosphates. Alternative sources like excess waste heat from industrial processes and green energy can easily provide the required energy.

Phosphates are vital building blocks for sustaining human life via their application in various agricultural and industrial processes. SusPhos envisions a future where local wastewater facilities and waste streams serve as 'urban phosphate mines' to contribute to a socially and environmentally responsible future.

Contact info@susphos.com to schedule an interview or meeting with SusPhos at CES 2024.

About SusPhos

SusPhos is a technology company focused on upcycling phosphate-rich waste streams to generate high-quality alternatives to replace fossil-sourced products. We believe in a circular economy to achieve sustainability. Founded in 2019 and based in Leeuwarden, The Netherlands, SusPhos is a privately held company. Learn more or follow us on [LinkedIn](#).

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