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Cleaning the Air, Recovering Value

Turning pig manure emissions into useful bio-based fertilisers

WHAT THIS DEMO FOCUSES ON:

- ✓ Captures ammonia from pig manure before it is released into the environment
- ✓ Converts emissions into valuable nitrogen-based fertiliser products
- ✓ Reduces air pollution and odour from intensive pig farming
- ✓ Operates under real large-scale farm conditions
- ✓ Demonstrates how manure can become a resource instead of a problem
- ✓ Supports cleaner and more sustainable livestock production



DEMO 1

Romania

Pig farm
Gas valorisation



SCAN
ME



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DEMO 1 Romania

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ABOUT

The DEMO 1 project in Romania is an innovative initiative that addresses the environmental challenges posed by pig farming, particularly focusing on the valorisation of gas emissions from pig manure. This demonstration showcases a cutting-edge process that captures ammonia emissions before they can escape into the atmosphere, transforming them into valuable nitrogen-based fertilisers. By converting these emissions, the project not only creates a useful product but also significantly mitigates air pollution and reduces the unpleasant odours associated with intensive pig farming. Conducted under real large-scale farm conditions, this project highlights the potential of turning manure from a problematic waste into a valuable resource. Ultimately, this approach supports cleaner and more sustainable livestock production, demonstrating a win-win solution for both agriculture and the environment.



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