



ManuREfinery

Unlocking **Energy** and **Nutrients** from Liquid Manure

Closing the loop in pig farming through integrated valorisation

KEY FEATURES:

- ✓ Converts liquid pig manure into renewable biogas through anaerobic digestion
- ✓ Recovers nutrients from liquid manure streams for fertiliser use
- ✓ Combines energy production & nutrient recovery in an integrated process
- ✓ Reduces environmental impacts of manure management
- ✓ Improves nutrient efficiency and resource recovery at farm level
- ✓ Demonstrates scalable solutions for liquid manure valorisation

DEMO 3 Spain

Pig Farm
Liquid Manure
Valorisation



SCAN
ME



ManuREfinery.eu



ManuREfinery

DEMO 3

Spain

Pig farm
Liquid Manure
valorisation

ABOUT

This demo site focuses on the integrated valorisation of liquid pig manure by combining energy generation and nutrient recovery technologies. Through anaerobic digestion, liquid manure is transformed into biogas, while additional treatment processes recover valuable nutrients such as nitrogen. The demonstration highlights how livestock farms can turn manure management challenges into opportunities for renewable energy production and nutrient recycling, contributing to more sustainable and circular farming systems.



 Bio-based Industries
Consortium



Co-funded by
the European Union



Circular
Bio-based
Europe
Joint Undertaking



ManuREfinery.eu

