



**Themis**  
Biotechnology & Life Science



# Innovative system for drastic waste reduction and valorization

Innovation for the future of livestock farming

Modern livestock farming faces a crucial challenge: the **sustainable management of waste** produced by farms. This represents a complex issue, both in terms of **disposal costs** and environmental impacts, such as **unpleasant odors** and the potential **contamination of soil and water**.

## THE SOLUTION: FROM WASTE TO RESOURCE

### Liquid manure? Not a problem, but a resource

The advanced waste treatment technology from **Themis WRT** offers a revolutionary solution for the livestock sector. Through processes of separation and concentration, we **reduce manure volumes**, transforming them into **reusable water** and **valuable solid fractions**. Our approach eliminates odors, improves environmental management, and makes farms more sustainable and competitive.

### "Less waste, more value"

With **Themis WRT technology**, managing liquid manure becomes an opportunity. Our systems drastically reduce volumes requiring disposal, recover reusable water for farm operations, and transform solid fractions into valuable resources. Every step is designed to reduce environmental impact, promoting more efficient and eco-friendly farming practices.

*"It's not just recycling: it's value creation!"*

Our technology goes beyond basic treatment: through an innovative process, the solid fractions of manure can be enriched with **biotechnological blends**, creating high-quality **natural fertilizers** and **biostimulants**.

This solution offers dual benefits: environmental sustainability and new economic opportunities for farmers.



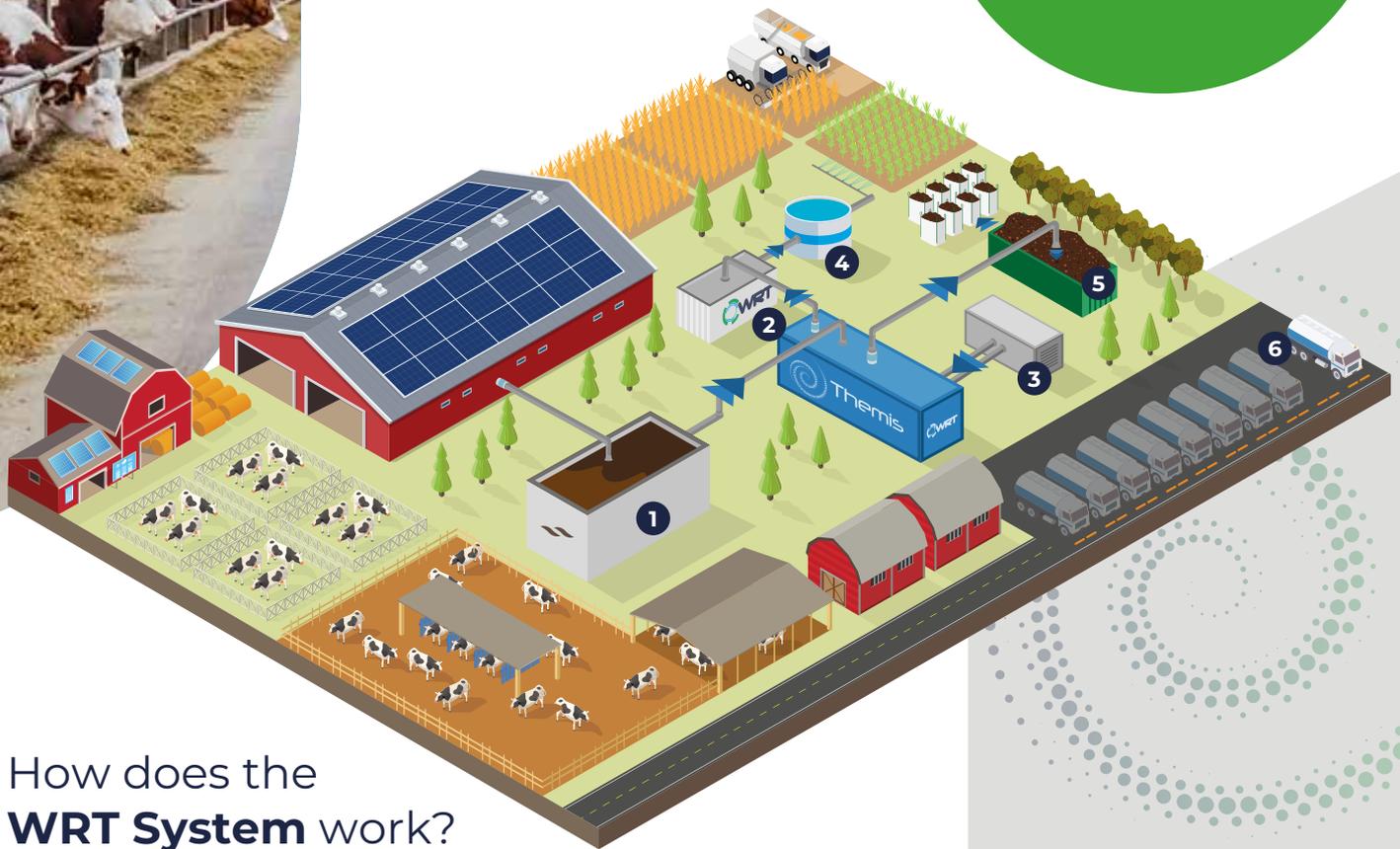
## The Advantages of WRT Technology

The **WRT technology** represents an effective and versatile innovation in the treatment of livestock by-products:

- ✓ **Volume and Odor Reduction:** minimize the amount of waste requiring disposal, simplifying management
- ✓ **Dehydration and Valorization:** transform livestock waste into high-value resources
- ✓ **Water Resource Recovery:** a sustainable approach enabling water recovery and reuse
- ✓ **Tailor-made design:** custom solutions for each client to optimize costs and benefits

### Why choose WRT technology?

Themis WRT is the ideal partner for farmers looking to improve manure management and turn a challenge into an opportunity. Thanks to our technology, every farm can become a model of sustainability and innovation.



## How does the WRT System work?

- 1 **Livestock waste from breeding**
- 2 **Themis WRT 'Waste Recovery Technology'** for dehydration and additive mixing of biotechnological mixtures to transform waste into high-added-value products
- 3 **Cogenerator** for energy recovery
- 4 **Distilled water** for nutrient recovery, reusable in agricultural applications
- 5 **Dehydrated granulate** for nutrient recovery, reusable as a biostimulant
- 6 **Drastic reduction in waste to be disposed**

### Themis S.p.A.

Via Brescia, 13  
20025 Legnano (Milan - Italy)  
+39.0331.456228  
info@themis-industries.com  
themis-industries.com

