

AGROFLEX: up to 30% cost savings for agro-industrial plant's waste management

Ventilation and carbon supply are the two main costs sources in the secondary treatment of waste water coming from agro-industrial plants.

DESCRIPTION*

- The AgroFLex Technology use a system of sensors linked to a dedicated logic controller that monitors and optimizes ventilation systems and carbon supply in real time
- Our Technology uses Oxygen and Redox sensors, which are well-known, robust, efficient, economical, and broadly used sensors
- The core of the technology is a custom algorithm that can evaluate in real time the status of nitrification and denitrification, independently from the effluent characteristics or the purification capacities of micro-organisms



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TECHNICAL SPECIFICATIONS

Effluent category	Agro Industries
PLC	Autonomous, communicate with the station's controller
Control	Ventilation and carbon supply
Expected gain	Energy savings, input (carbon) savings
Return on investment	~1 to 2 year(s)

*Technology requiring license rights.
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COMPETITIVE ADVANTAGES

- Up to 30% energy savings on ventilation costs
- Economical and easy to maintain Redox & Oxygen sensors
- Simple integration with the water station PLC

APPLICATIONS

- Used Water Treatment for Agro Industries
- SBR or activated sludge treatment

INTELLECTUAL PROPERTY

- Patent pending

DEVELOPMENT STAGE

- Technology demonstrated in relevant environment



LABORATORIES

- INSA - LISBP / CRITT GPTE



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