

## 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



Photos: © antiksu - Fotolia.com

### 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.

TTT\_056. Non-contractual document. All rights reserved. June 2017.

### 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 GPTÉ



### CONTACT

T. +33 (0)5 62 25 50 60

greentech@toulouse-tech-transfer.com

www.toulouse-tech-transfer.com