

Water
for the future



Redox Water Technology B.V.

Treatment of effluent from a large pig farm, combined with a pig abattoir and a rendering.

Upgrade of effluents to a dischargeable quality on locations where irrigation and / or fertilization is not appropriate.



Key data of the company:

- Based in the Netherlands
- Active since 1984
- 2 main activities:
 - Waste water treatment
 - Solid waste separation
- Total turnover ~20 mln EURO
- ~90 employees
- ISO 9001 / 14001 certified



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Global presence:

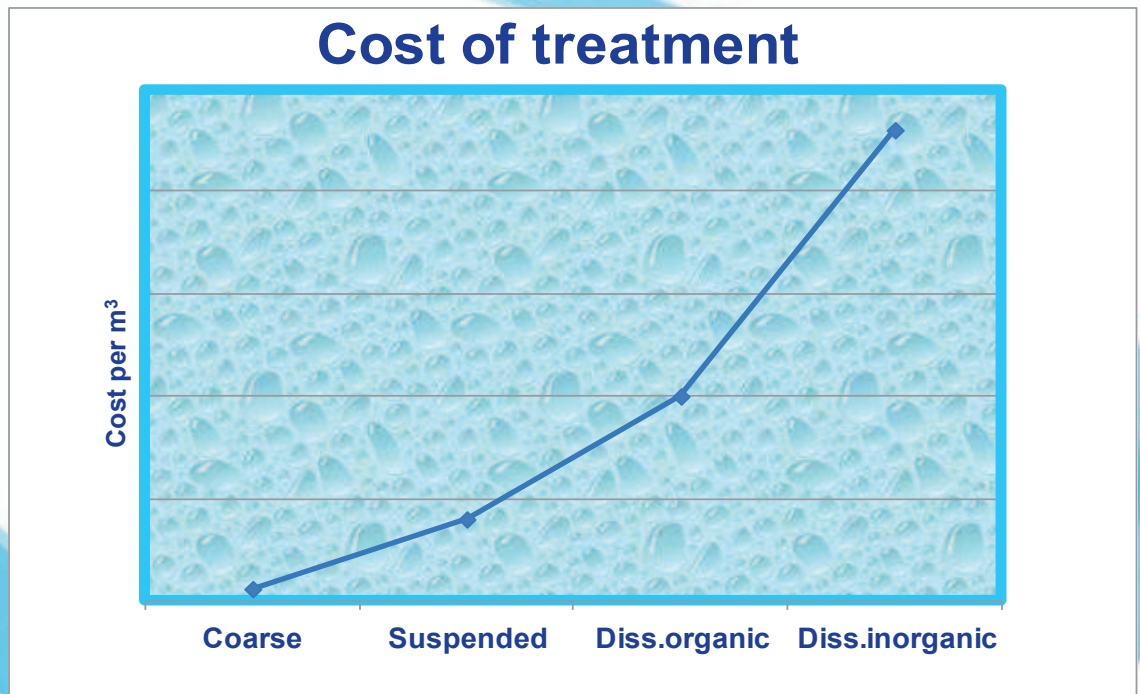
- Europe and Russia
- Middle and Far East
- Americas
- Australasia
- Etc



Removal of particles from wastewater / manure

Size of particles:

- Coarse
- Suspended / emulsified
- Dissolved (organic)
- Dissolved (inorganic)



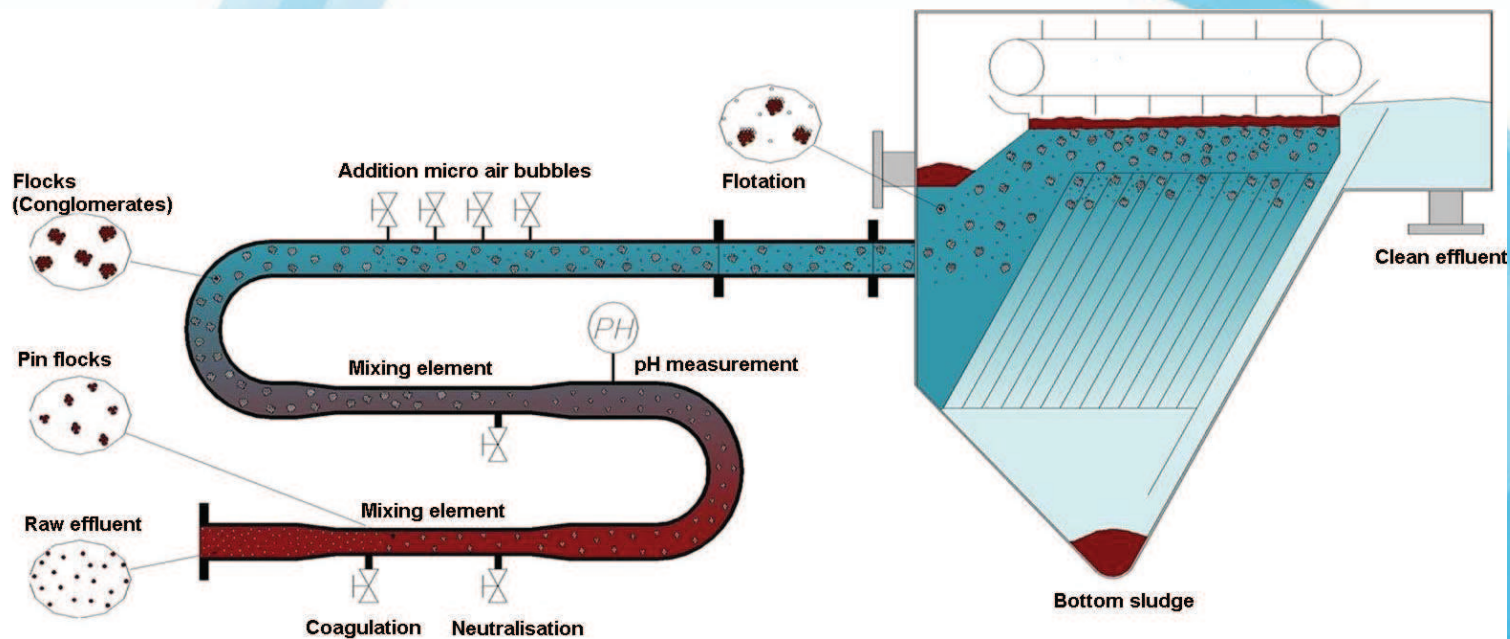
Removal of coarse particles: Screens

Examples of application:

- Slaughterhouses, meat processing
- Pig farms
- Fish industry
- Vegetable processing
- Municipal
- Etc.



Removal of suspended / emulsified particles: Physical chemical treatment (Floc-Flot)



Effluent: free of suspended solids and mostly free of colors

Flocculators for Floc-Flot Systems



Characteristics :

- Limited space requirement
- No energy consumption
- High efficiency
- Unique feature: variable flow / same mixing energy



Flotation Units

Characteristics :

- 6 different types
- Bottom auger for automatic sediment removal
- Automatic clog-free aeration
- Capacity ranging from 1 to 700 m³/h per unit



Removal of dissolved (organic) particles: Biological Treatment



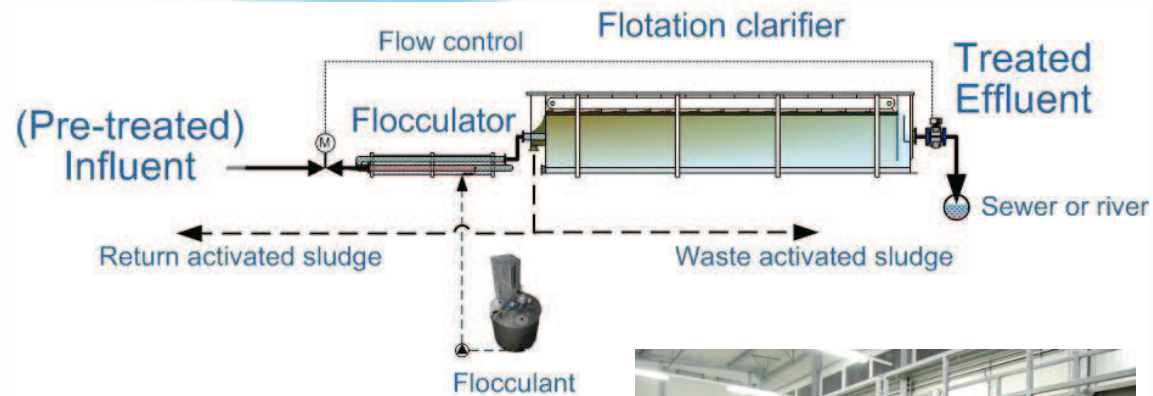
Characteristics :

- Biological treatment (aerobic)
- Batch or continuous operation
- Suitable for small to large flows
- (De-)nitrification, dephosphoring
- Unique FBR system (Flotation Bio Reactor)

Redox FBR Flotation Bio Reactor

Characteristics :

- Continuous operation
- Separation by flotation
- Low sludge production
- Compact
- High quality effluent
- Extremely stable process
- Suitable for medium to large flows
- (De)nitrification, dephosphoring



Redox Floc-Flot system (at a pig farm)

Influent

Pilot test

Effluent



As promised: the effluent is free of suspended solids and mostly free of colors

Redox FBR system (at a rendering plant)

Influent



Active sludge



Effluent



The Redox Approach

- Aim for strong local representation
- Technical and management support during execution of the project
- Start-up of plants
- After sales and service support (service contracts)
- On-site testing (if necessary)



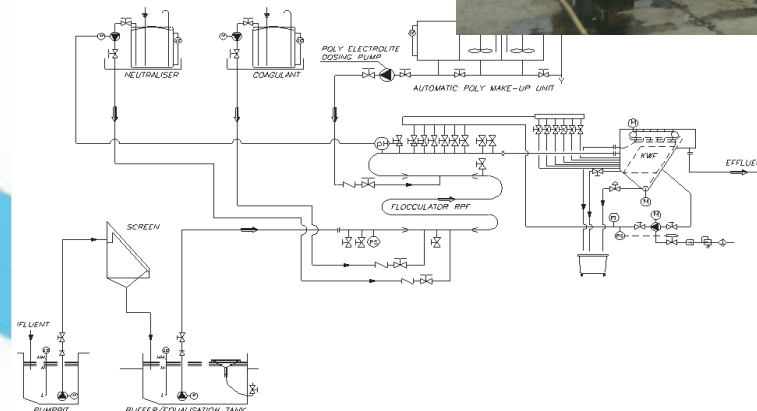
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Redox Expertise

Projects :

- Turn-Key
- Partial Supplies/Subcontractor
- On-Site Testing with Pilot Unit
- Project Management Team
- Project Design
- Project Engineering
- OEM
- Special Products
- Innovations

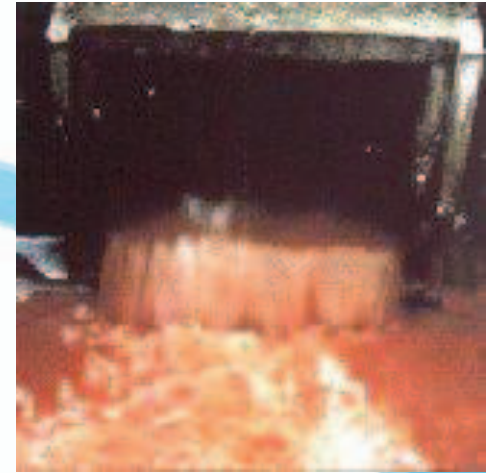


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If there is Wastewater....

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...Please Call Us!!