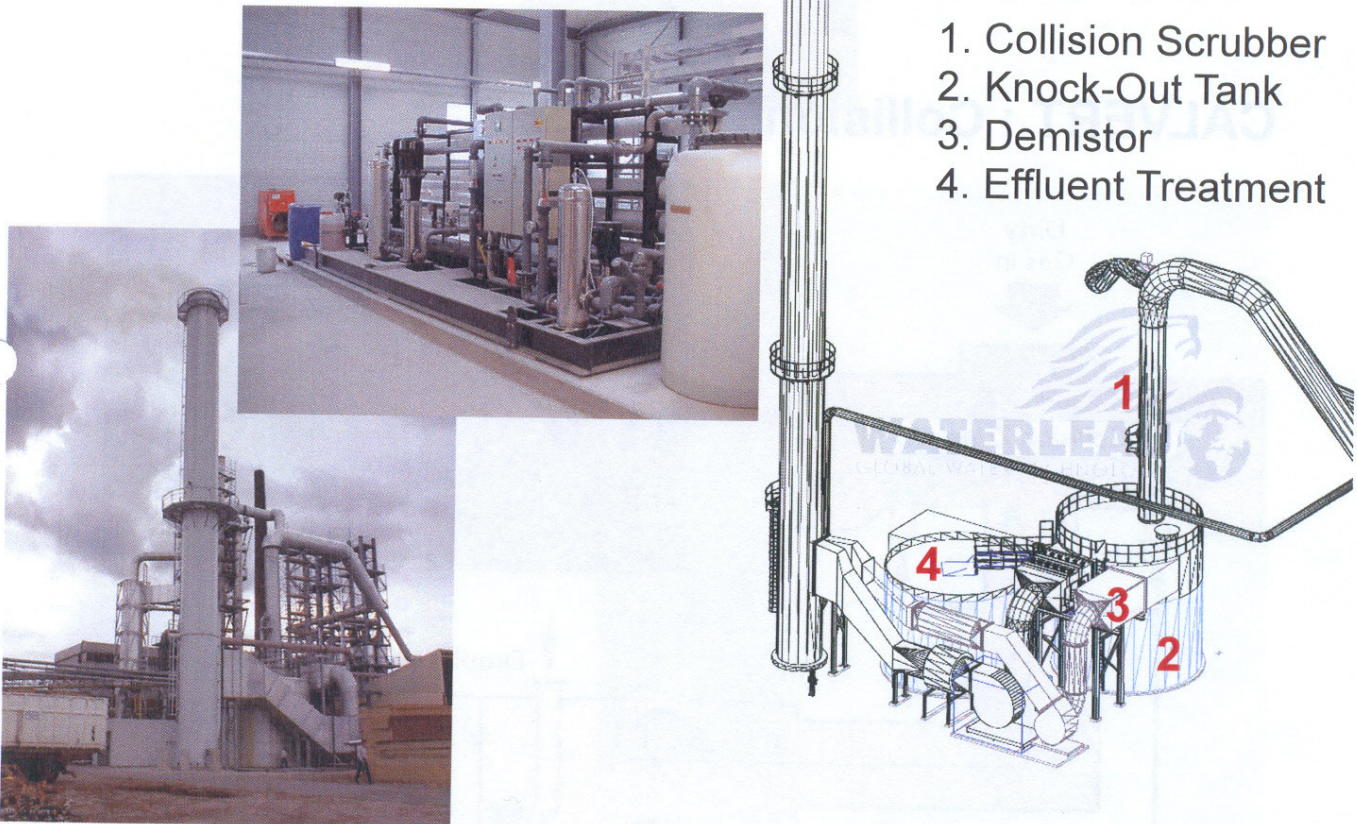


Proprietary Technology

BIOWAVE

BIOWAVE : Collision scrubber with biological effluent treatment



BIOWAVE® is a patented bioscrubber system for off gas treatment. The off gas stream enters the system and is brought into contact with the scrubbing liquid, which is injected counter-current to the gas stream. Liquid collides with down coming gas to create a region of extreme turbulence, with a high rate of liquid surface renewal. The polluting compounds are absorbed by the scrubbing liquid and broken down by thermophilic bacteria in the liquid phase of the system. The liquid can additionally be treated in a Reverse Osmosis System for further polishing.

Typical applications : formaldehyde degradation;

Advantages of BIOWAVE® : no packing for mass transfer, no plugging;