

Azurair™ Boost

DEODORIZATION OF WASTEWATER
TREATMENT PLANTS THROUGH
ADVANCED DESULPHURIZATION



AIR

CONTROL THE ODOR POLLUTION OF WASTEWATER TREATMENT PLANTS IN WARM CLIMATES

+ ECONOMY
Lower use of bleach and very
low electricity consumption

+ SECURITY
Treatment of H₂S at the
point of issue



INNOVATION

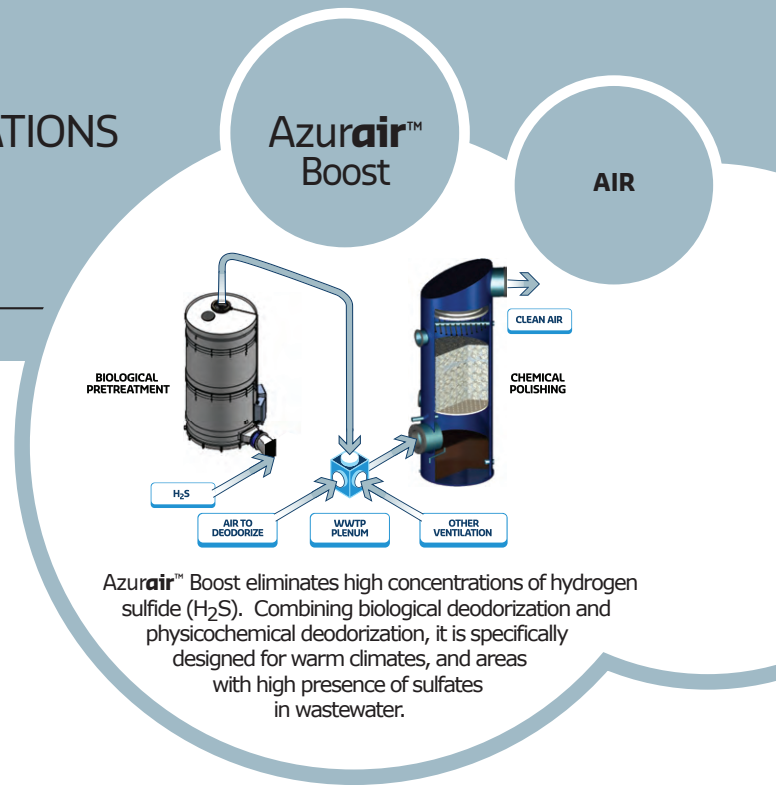
CAPACITY TO TREAT HIGH CONCENTRATIONS OF H₂S UTILIZING A MIX OF TWO TECHNOLOGIES.

KEY FIGURE:

Up to

99%

savings in bleach used to treat high concentrations of H₂S.



Azurair™ Boost TECHNOLOGY...

Composed of sulfur and hydrogen, hydrogen sulfide (H₂S) is a pollutant often emitted by wastewater treatment plants (rotten egg smell). Inhalation can cause—depending on the quantity—loss of consciousness and even death. H₂S also corrodes concrete and metal within purification facilities. When in contact with collector walls, it transforms into sulfuric acid.

A combination of two types of treatment: Biological deodorization technology works within a tower filled with synthetic medias (or «filler») spread onto one or more levels, and on which will develop the biofilms loaded with micro-organisms that will use the H₂S in their metabolism.

Arriving at the base of the tower, the air passes through the biofilm, regularly sprayed with water to optimize performance.

Next, the air joins the plenum chamber where it is rerouted via ventilator, towards the physicochemical treatment phase.

By combining the two technologies, the advantages of each are optimized:

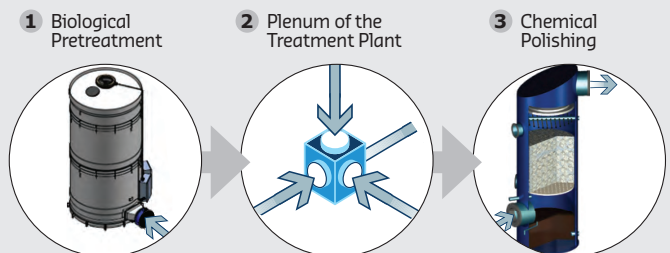
- The biological deodorization avoids the use of reagents,
- The physico-chemical deodorization adapts instantly to the slightest load variation to meet the guarantees.

AMONG OUR REFERENCES:

- As Samra, JORDAN (3 million PE capacity)
- La Farfana, CHILE (3 million PE capacity)

...WHAT IT CAN DO FOR YOU

- +** **SECURITY AND ENVIRONMENT:**
 - Treatment in a confined zone immediately adjacent to the point of emission: secure work environment, suppress sanitary danger
 - Avoid unpleasant odors for local populations
- +** **ECONOMY AND SIMPLICITY OF OPERATION:**
 - Very low electricity consumption, diminishes the use of bleach, operates with filtrated water from plant discharge
 - Simplicity of equipment and instrument use, automated operation



Degrémont

183, avenue du 18 juin 1940 - 92508 Rueil-Malmaison Cedex
Tel : +33 (0) 1 46 25 60 00 - Fax : +33 (0) 1 42 04 16 99

www.degremon.com

