

## LEADING AIR POLLUTION CONTROL



solutions for sulfur, hydrocarbons, ammonia emissions,  
and desulfurization of biogas and sour gas

## TORRENTA

Our best-selling Bioreactor! TORRENTA is a counterflow Trickle Bed System for a wide variety of air cleaning solutions. Utilizing the most advanced bed material, our patented Spacious Wire Pac, guarantees a stunning removal result year after year, without media replacement. TORRENTA systems are mostly used for the removal of hydrocarbons and sulfur compounds like H<sub>2</sub>S, CS<sub>2</sub> and the full range of reduced sulfur compounds like Mercaptanes and DMS. The first groundbreaking introduction of the TORRENTA was at a potato processing plant in 1998 to remove H<sub>2</sub>S. Today, 20 years of developing the product further, the technology is being applied in almost every industry - consistently bringing each plant's emission within permit values. In many cases, TORRENTA has replaced conventional chemical scrubbers and carbon filters due to its reliability and cost savings.



## AZZURO'S PRODUCT LINE-UP

### AZZORBO

Azzuro's Activated Carbon Filter product line, suited to function as a polishing filter or as a full-blown stand-alone system. AZZORBO is unique in its design and it is the only Carbon Filter that is fully accessible from the top! No more struggling to bring fresh carbon in through small manholes. This is a leap forward in OSHA compliance! Azzuro's Carbon product line ranges from small units with a 6 ft diameter single bed up to a 12 ft diameter dual bed system. With Azzuro's extensive experience and knowledge, the right Carbon is selected for each application in order to guarantee reliable operation.



# AZZURO

THE EMISSION EXPERT

## AMOTEK

AMOTEK is the world's first Hybrid Bio-Chemical reactor that does not require chemical dosing. This co-current Trickling System is specially designed for the removal of ammonia. With over 99.5% reduction efficiency, this technology is already becoming THE answer to reducing hog farm emissions. AMOTEK is not only suitable for the agricultural sector but is also the solution for the ammonia emission reduction at paper mills, composting facilities and other industries. We expect AMOTEK to become THE best-selling technology for ammonia reduction just as TORRENTA is and has been for H<sub>2</sub>S reduction. AMOTEK - a solid solution. Reliable and economical.

## PURETTA

Another Azzuro original. Our compact Combination System that combines the best use of Biology and Activated Carbon to deodorize small air flows (up to 750 cfm). Specially designed for limited space locations that need reliable odor removal. PURETTA has an initial biological stage in which most of the hazardous components are oxidized and then flow through an activated carbon bed to purify the outgoing air completely. The carbon bed life and efficiency are greatly extended by this small system thanks to the use of Biology. The economics are simple - the reduced number of carbon replacements lower the operational costs by x-factor. This little, tough System is about 6.5 ft in diameter and 6.5 ft high.

## SULFATECH

Meet Azzuro's smart desulfurization solution. SULFATECH is an anaerobic gas scrubber, supplemented with an aerobic regeneration unit. Designed with safety and economics in mind. First piloted in 2019, SULFATECH is used to remove H<sub>2</sub>S out of gas in "Waste to Energy" projects and for oil refineries sweetening sour gas. The technology is fully biological and keeps the gas fully anaerobic at all times. No caloric value is lost, nor is oxygen added to the gas flow. A biological slurry is recirculated through the anaerobic scrubber, scrubbing the gas and then through the regeneration unit to be reactivated before being circulated back into the gas scrubber. H<sub>2</sub>S removal is over 95% of the input concentration without the use of chemicals.




## ABOUT US

We are a science-driven Solution Provider, whose mission it is to help customers comply with their emission requirements. We advise, design and supply Air Pollution Control Solutions for all industries. Our (mostly) biological solutions are more efficient in emission reduction, more reliable in operating and more economical than the conventional chemical scrubbers or thermal oxidizers. And our customers agree. Our team of experts is experienced and highly motivated to assist you.

Azzuro is operating globally with offices in the USA, Europe, the Middle East and Australia.

In addition to many municipalities, we are proud to have a long list of **highly renowned customers** in all fields of industry - **from Petrochemical to Agricultural and from Food to Chemical.**

We have been able to assist our customers by reducing their emissions and their operating cost in doing so. Very grateful for the trust we are being given, we continue to provide Air Pollution Solutions **so we can all enjoy a clear sky and a brighter future.**



**AZZURO - FOR A CLEAR SKY  
AND A  
BRIGHTER FUTURE**

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