

Algal Turf Scrubber® Mobile Pilot Unit



HydroMentia's Algal Turf Scrubber® (ATS™) Mobile Pilot Unit is the ideal system for determining ATS™ design criteria on a case by case basis with its economical and mobile engineering.

The customized unit replicates full-scale ATS™ systems, incorporating surge motion and biomass recovery into the design. ATS™ performance can be assessed on site, aiding in development of full-scale systems to meet individual water quality needs.

Pilot studies for large scale projects can be time consuming and costly. HydroMentia's ready to assemble facility eliminates implementation delays, allowing faster determination of ATS™ success and project execution.

At study completion, the unit is removed, restoring the site to its original condition.

500' ATS™ MPU System
Lee County, Florida

Cost savings are realized immediately through reduced construction and demolition service needs. HydroMentia's innovative approach to pilot scale studies is as versatile as it is economical.

The pilot unit is composed of an aluminum base and steel supports. The aluminum base is overlain with geomembrane liner and attachment grid that is used in full scale ATS™ systems. Water is conveyed through an automatic siphon/surfer unit, over the algal turf growing matrix.

Effluent water is collected and returned to the receiving water.

Available at lengths up to 1000' and 1 foot wide, the system can be operated at virtually any site, no matter how remote or urbanized.

HydroMentia recognizes that investigative study needs can be as varied as full-sized projects. Thus, the Algal Turf Scrubber® Mobile Pilot Unit can be positioned to receive water from any source.

HydroMentia prides itself on timely delivery and continued advancements in technological applications of our engineered water treatment systems.

The ATS™ Mobile Pilot Unit is designed to provide client confidence in the effectiveness of the ATS™ system and HydroMentia's commitment to protecting our most vital resources.

The Algal Turf Scrubber® system was recognized by the National Association of Professional Engineers in 2009 and was a Florida Governor's New Product Award winner in 2008.



The Leader in cost-effective, sustainable nutrient pollution control technologies

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