



ADI Systems is the source for biofuels wastewater treatment. From condensate treatment to water reuse and from stillage and manure digestion to energy recovery, ADI Systems has the right technology for your ethanol or biodiesel facility. Our unique blend of leading technologies and extensive experience makes each of our systems the best possible solution for your biofuels wastewater needs.

Unparalleled Experience

With nearly 3,000 combined installations and decades of operating history, ADI technologies have proven to be extremely reliable, low-maintenance and tough enough to stand the test of time. ADI also dedicates extensive time and money to research and development and is continually improving and expanding the application of our unique proprietary technologies.

The World's Leading Technologies

ADI is proud to offer the world's leading technologies for biofuels applications, including the ADI-BVF®, the world's leading low-rate anaerobic technology, the ICM Bio-Methanator, and the premier aerobic and anaerobic membrane bioreactor (MBR) technologies available, which provide the highest-quality effluent suitable for reuse. You can rest assured that you are getting the best available technologies for your facility.

The "Standard" Dry Mill Treatment Technology

ADI Systems is also proud to be able to offer, through an exclusive agreement, the ICM Bio-Methanator high-rate anaerobic treatment technology. With nearly 100 installations operating or under construction, the ICM Bio-Methanator technology is the "standard" wastewater treatment technology for dry mill fuel ethanol plants. Its modular construction and ease of operation provide an easy-to-construct, reliable process for the pretreatment and reuse of ethanol plant wastewaters.

Water Reuse and Recycle

ADI offers a variety of aerobic technologies that can be used to polish the anaerobic effluent to a quality suitable for disposal or reuse, or can be used as stand-alone treatment. Our membrane bioreactor (MBR) system, the ADI-MBR, is based on the world's leading MBR technology and can produce reuse-quality water within an easy-to-operate, small-footprint package. The effluent is suitable for a variety of uses, from irrigation to cooling towers, as well as to provide ultra-high-quality feed water to a reverse osmosis (RO) system. The ADI-MBR is especially well-suited to biodiesel wastewater treatment applications and can provide a cost-effective solution to the disposal of that waste.



OUR MISSION:

Success through
satisfied customers



Stillage and Manure Digestion

As ethanol production capacity expands worldwide, more and more biofuels companies are looking to biogas generation and recovery. The digestion of thin or whole stillage is both a way to generate significant amounts of recoverable energy and/or an alternate way to dispose of spent distiller grains. Other facilities are utilizing biogas energy from manure digestion as a recoverable form of energy for the plant. Our modified BVF® and anaerobic MBR (AnMBR) technologies are both well-suited to the digestion of stillage, manure or a combination of each and can be designed to produce reuse-quality effluent, if required. In many cases, the energy recovered is equal to, and in some cases more than, the total production plant energy requirements.

Biogas Energy Recovery

ADI can also provide complete systems for the utilization of biogas energy, including biogas scrubbing systems, steam and hot water boilers, by-product dryers, and combined heat and power (CHP) systems. With almost 30 years of experience in providing energy recovery systems, ADI has the knowledge to provide a top quality system and the proven track record you can rely on.

Complete Solutions

ADI can provide complete turnkey design-build systems or technology and equipment packages. For smaller applications, we can provide complete pre-engineered, pre-fabricated systems that are easily installed and greatly reduce site construction requirements. For larger applications, ADI will provide a custom-engineered system, built to your requirements and standards. We stand behind the quality and performance of each of our systems and can offer performance guarantees and aftercare service agreements to facilitate long-term, worry-free operation.



ADI SYSTEMS INC.

ADI Systems is a technology and design-build company that offers a wide range of wastewater treatment systems to customers around the world. We offer bench- and pilot-scale testing, plus custom-designed solutions to provide the best treatment package. In addition to generic technologies, ADI Systems offers proprietary technologies for both anaerobic and aerobic biological waste treatment applications. ADI Systems Inc. provides large treatment systems as well as modular systems for small plant applications.