

ADI Systems Inc.

ADI Systems Inc. specializes in industrial wastewater treatment, water reuse and waste-to-energy projects and can offer a number of solutions for the dairy products/processing industry, from treatment to water reuse to renewable energy from waste. We have a great deal of experience treating wastewater from dairy processing and cheese production plants, and we've installed hundreds of systems worldwide for dozens of different companies. With nearly thirty years of industrial wastewater experience and installations in over thirty countries, ADI Systems has the knowledge and technology to make every project a success.

ADI offers a number of technologies that can provide different solutions for dairy plants:

- **High-strength wastewater treatment:** First, we offer a variety of anaerobic technologies designed to easily treat the high-strength waste often generated during dairy processing, including high-rate systems, low-rate

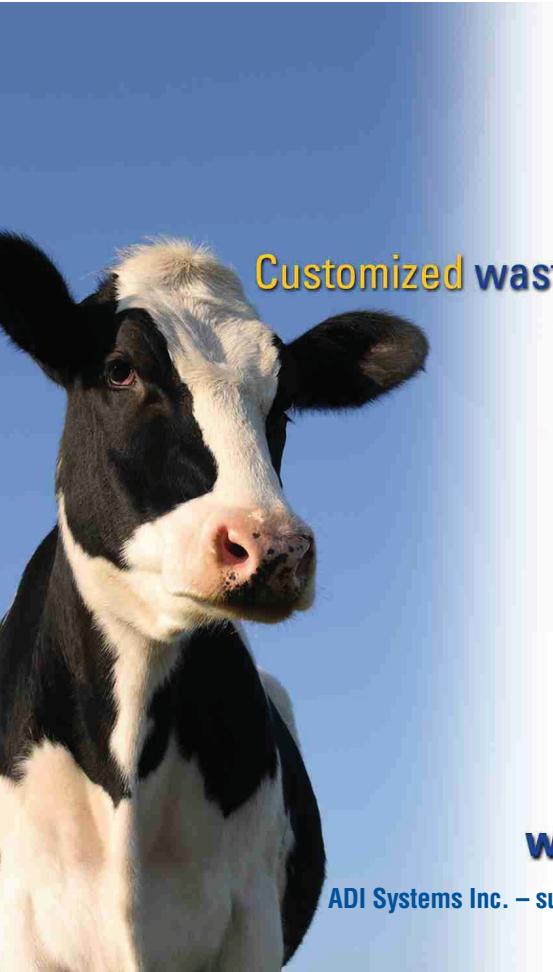
systems, and anaerobic membrane bioreactors (MBRs). These systems are often used for pretreatment prior to discharge to a municipal treatment system. Renewable energy in the form of biogas is a by-product of this type of treatment and provides a further benefit to the dairy plant.

- **Treatment to Discharge Quality or Water Reuse/Recycle:** Second, we offer 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.

- **Waste Solids Digestion:** We also offer systems for the handling and digestion of waste solids, which incorporate energy recovery in the form of biogas. The energy recovered is, in many cases, a significant portion of the plant energy needs.

- **Energy Recovery:** Finally, we can provide complete energy recovery systems that can reduce natural gas and electrical power consumption at dairy plants, including boilers and generators. This includes biogas collection, transmission, scrubbing, and utilization.

ADI Systems Inc.
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Customized wastewater treatment solutions for dairy processors



ADI treatment solutions can tackle the toughest wastewaters from dairy processing plants, producing effluents for discharge or reuse.

High-rate and low-rate anaerobic processes, aerobic systems, and membrane bioreactors (MBRs) are all available from [ADI Systems Inc.](http://www.adisystemsinc.com)

ADI treatment systems can produce reuse-quality water within an easy-to-operate, small-footprint package and reduce energy consumption.

Solution benefits:

- Water reuse/reclamation
- Waste-to-energy systems, biogas recovery and utilization
- Eliminate surcharges and meet the most stringent effluent limits
- Turnkey systems

www.adisystemsinc.com

ADI Systems Inc. – suppliers of world-class treatment technologies | 1.800.561.2831 | systems@adi.ca