

# ADI Systems Inc.

ADI Systems Inc. specializes in industrial wastewater treatment and offers a number of solutions for the dairy products industry, from treatment to water reuse. We have a great deal of experience treating wastewater from cheese and dairy processing plants and have installations at over forty such facilities around the world, including plants for Danone/Stonyfield Farm, Kraft Foods, Hershey Chocolate, and many more.

ADI offers a number of technologies that can provide treatment solutions for cheese and dairy products plants:

- **High-Strength Wastewater Treatment:** First, we offer a variety of anaerobic technologies designed to easily treat the high-strength waste often generated during cheese and 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.
- **Water Reuse/Recycle:** Second, we offer a variety of aerobic technologies, including the ADI-SBR and ADI-MBR, which can be used

to polish the anaerobic effluent to a quality suitable for disposal or reuse, or simply used as stand-alone treatment. Our membrane bioreactor 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.

- **Waste Solids Digestion:** We also offer systems for the handling and digestion of waste solids, DAF float, or other organic materials, which incorporate energy recovery in the form of biogas. The energy recovered is often 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, including boilers and generators.

We can offer a variety of innovative solutions to meet the wastewater treatment challenges at your plant and improve the overall bottom line. With our unparalleled experience and dedication to the specific needs of our clients, ADI Systems is unsurpassed in customer satisfaction.

**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 (for high-strength wastewater treatment), aerobic systems, and membrane bioreactors (MBRs)—all from ADI Systems Inc.

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

- Water reuse/reclamation
- Biogas recovery and utilization systems
- Eliminate surcharges and meet the most stringent effluent limits



[www.adisystemsinc.com](http://www.adisystemsinc.com)

ADI Systems Inc. – suppliers of world-class treatment technologies | USA: 603.893.2134 systems@adi.ca Canada: 506.452.7307