



**Category:** Municipal, industrial and Agricultural Waste Water treatment.

**Sub Category:** Renewable energy.

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

## Company profile

Applied Cleantech (ACT) develops, manufactures and markets WW recycling systems that promise to solve the sludge problem and change the economics of the WW industry. The company's Sewage Recycling System (SRS) traps and recycles - rather than digests - bio-solids, thus reducing sludge formation and treatment costs for WWTPs. The trapped solids are processed into Recylose™, a cellulose based substance used for production of high quality renewable energy sources such as heat or electricity, feedstock for diesel or cellulosic ethanol production, and pulp for the paper industry. ACT's solution also reduces green house gas (GHG) emissions from the WWTP process.

**Date of establishment:** 2007

**No. of employees:** 6

## Background on the company

ACT was established in 2007. Its SRS and related technologies were developed and patented over the last five years. ACT recently installed its first commercial SRS after completing a number of successful beta installations in WWTPs serving populations of 10-20,000 both in the US and in Israel. The company is currently negotiating deals with potential partners and clients, and expects to install another 1-2 SRS units during 2010.

## Examples of past projects

- Municipal WWTP in Israel
- Municipal WWTP in Ohio, US

## Technology & product(s)

### General description:

The Sewage Recycling System (SRS) is an integrated waste water recycling system that reduces sludge formation and WWTP operating costs, while generating sustainable commodity products.

### Function of the product(s):

With a small footprint and minimal need for infrastructure changes, the SRS reduces operational costs by 30%, and sludge formation and output by 60%. The unit is robust, fully automated and requires minimal manpower. It is low maintenance and has an estimated life span of 15 years.

## Objectives / Target companies

Municipalities, WWTP operators, Pulp & paper plants, Food and Beverage, Distributors.