



From Organic Waste to Energy Without Wasting Water or Sludge Cake



eROISM IMPACT

INSIGHT

A plant that converts organic waste into electricity, green gas and biomass for power plants set its sights on finding new ways to improve the overall sustainability and reliability of its organic waste digester. Achieving higher dry solids from the dewatered sludge became a priority for this plant in Northern Europe.

INNOVATION

The plant compared two potential solutions. Nalco Water's FLOCMASTER™ Technology was installed on one centrifuge while a competitor's product remained on a second centrifuge. The FLOCMASTER in-line mixer provided optimal distribution of a highly concentrated polymer solution. After a six-month trial, the data clearly demonstrated FLOCMASTER Technology to be the superior product and Nalco Water's expertise and service to be the icing on the cake.



RESOURCE SAVINGS

WATER



85% REDUCTION IN INDUSTRIAL PROCESS WATER (7.92 MILLION GALLONS PER YEAR)

ENERGY



0.8% HIGHER DRY SOLIDS SLUDGE CAKE (HIGHER CAKE DRYNESS REQUIRES LESS ADDED ENERGY TO REPURPOSE)

ASSETS

224,900 LB REDUCTION IN POLYMER CONSUMPTION



COST SAVINGS

\$160,000

(ANNUAL SAVINGS)

TECHNOLOGY:

FLOCMASTER™ Technology

For more information about sustainability at Ecolab, please visit ecolab.com/sustainability.

Ecolab Global Headquarters

1 Ecolab Place St. Paul, MN 55102
www.ecolab.com 1 800 392 3392

eROI is a Trademark of Nalco Company Ecolab is a trademark of Ecolab USA Inc.
©2017 Ecolab USA Inc. All rights reserved.

