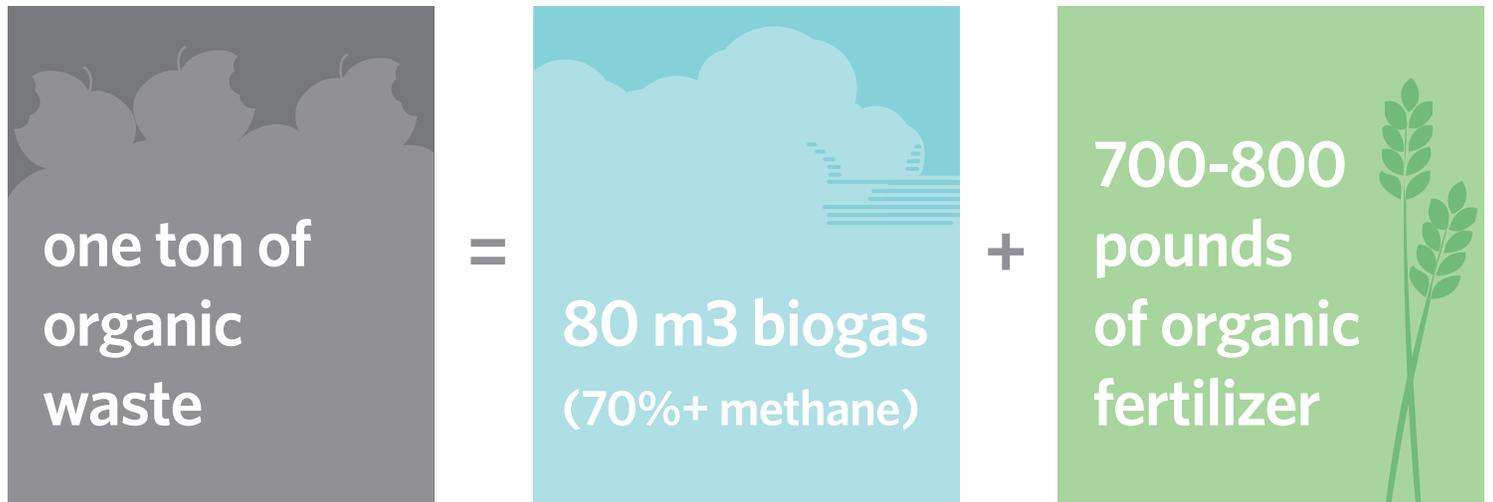
The background of the image is a dark, almost black, space filled with a complex, glowing green energy visualization. This visualization consists of numerous thin, bright green lines that swirl, loop, and radiate outwards, creating a sense of dynamic movement and energy. The lines are most concentrated in the upper right quadrant, where they appear to originate from a bright point, and then spread across the frame, fading slightly as they move towards the bottom and left. The overall effect is reminiscent of a particle simulation or a representation of electromagnetic fields.

The Aikan™ System:

# Greener Energy, Smarter Utilities

# Transforming waste to resources with Aikan™



*The drumbeat of change is sounding for utilities. Demands for “greener” energy, government regulations, facility placement, shifts to “smart grids”, keeping ratepayers happy and, of course, cost containment all combine to create an atmosphere requiring action.*

*The Aikan™ system offers you new ways to look at transforming operations.*

## THE SHORT STORY

- ◆ Proven, field tested (full-scale plants operating for years), easy-to-operate approach for processing thousands of tons of organic waste into biogas and compost.
- ◆ Performance guarantees based on specific local conditions.
- ◆ Backed by a company with established expertise in waste management, renewable energy sources and soil/compost production issues.
- ◆ Consistent and reliable source for “green” biogas.
- ◆ Meets all environmental regulations and keeps costs under control.

## SURPRISING PLUSES

- ◆ Unlike plants for burning trash to produce power, Aikan™ have almost no maintenance challenges, operate with limited staffing, and they have no hazardous slag requiring special handling or disposal.
- ◆ Non-organics do not impact the Aikan™ system
- ◆ High-energy biogas becomes available for use within 4-8 weeks of an Aikan™ plant becoming operational.
- ◆ A wide range of organic waste from varied sources can be processed into biogas and/or compost, including:

- Household trash
- Food and grease trap waste from restaurants
- Dewatered sludge from wastewater treatment plants
- Agricultural and yard waste
- ◆ Aikan™ plants integrate easily with existing biogas operations, and their size can be adapted continuously according to needs. New modules are added only when demand and capacity increase.

## THE ULTIMATE VALUE

- ◆ Accelerated natural process using standard technology = greater reliability, lower operating costs.
- ◆ Cheaper fuel source adds to the bottom line.
- ◆ Scalable system - capacity built quickly to match your needs.
- ◆ Improved image among customers as a cleaner, “greener” facility producing renewable energy.
- ◆ Low odor and small footprint minimize community concerns.
- ◆ Site selection issues eliminated since system integrates into any existing landfill, any location, under any geographic or climatic conditions.

## No Hassles, No Stress — Aikan™ System's Quiet Brilliance

**Reliable. Natural. Valuable.** That's the philosophy of the Aikan™ system and it will change how you think about biogas for power production. By taking a process that occurs in nature and accelerating it — using readily available technology — Aikan™ unlocks options you may never have considered before.

The Aikan™ system gives users a proven method for transforming organic waste into valuable resources through wise use of readily available technology. The system has nearly 100% uptime, low costs of operation and requires minimal training for staff. It gets the job done right every time.

It uses any type of organic waste (from food grease to yard clippings) pulled from daily trash collection in a totally natural process that gives your company fast, consistent access to high-quality, low-cost biofuel.

While there are other power-from-trash systems in use by utilities across the country, the Aikan™ system eliminates the problems and limitations that plague these technologies:

- ✦ **Emissions of greenhouse gasses** – Air pollution is a non-issue since the organic waste is treated separately in enclosed reception and processing modules, and all methane is captured. When it comes to carbon dioxide, the compost produced by the Aikan™ system acts as an immediate “carbon sink” to absorb excess gas on site.
- ✦ **Better gas quality** – Gas produced with the Aikan™ system is of higher quality (70%+ methane) than gas extracted from landfills.
- ✦ **Community relations** – All the low-impact features and environmentally-friendly outcomes that your customers demand.
- ✦ **Loose waste and odor** – Because the processing modules are entirely enclosed, waste is confined and does not blow away. By keeping it enclosed, removing water and using special bio filters unpleasant odors are also reduced.



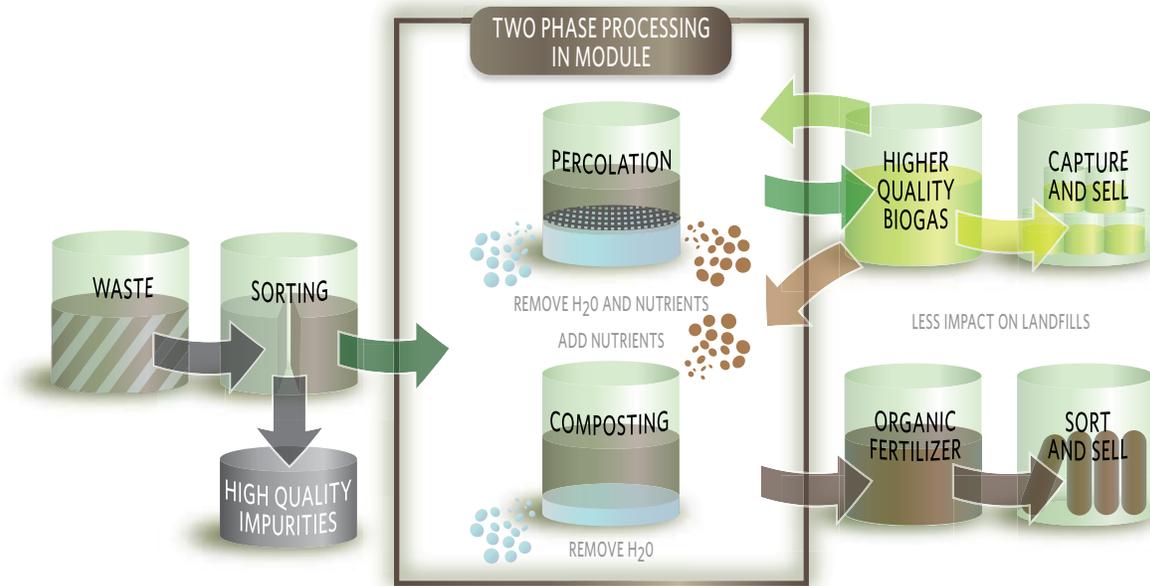
- ✦ **Water pollution** – There is no water runoff and no water pollution since all liquid is either evaporated or reused as part of the Aikan™ system process.
- ✦ **Consistent production and supply** – The Aikan™ system has the market's greatest flexibility in terms of the feedstock it processes. It uses multiple production modules in a rotational approach so that waste is always being treated. The result? A constant, reliable stream of excellent biogas for power generation.

Best of all, the system is financially sensible. No risky technology investments. Low construction costs. Minimal labor. Government funding for “clean” power systems. Growing consumer interest in buying “green” power. Guarantees covering performance. It all combines to create powerful, profitable ROI.

**If you process 25,000 tons of organic waste in a year in an Aikan™ facility you can generate enough electricity for 1,500 families and provide heat equivalent to burning 400,000 gallons of oil.**

# THE AIKAN™ SYSTEM: SQUEEZING TREASURE FROM TRASH

Traditional methane capture in the U.S. lacks the flexibility and efficiency of the Aikan™ system. Now landfills can implement a simple, robust, low-cost system to generate and capture high-energy content. Key benefits include: (1) reduced contamination from better **sorting**; (2) greater ROI from **selling higher quality biogas and organic fertilizer**; (3) lower environmental risks and discharge due to **reduction of excess water**; and (4) extended life of landfills.



The Aikan™ system is built on your site using locally-sourced products and services. From steel and concrete, to construction labor, the entire structure is created with resources from nearby communities. That also makes future maintenance easier and more cost effective.

## PARTNER WITH A TRUSTED EXPERT

Solum Gruppen ([www.solum.com](http://www.solum.com) - creators of the Aikan™ system) has more than a quarter century of experience and is Denmark's largest supplier of growth media and turf care products.

The company's trailblazing approaches to waste processing, and its outstanding business operations, have been spotlighted. In 2009, Solum Gruppen was awarded the Danish Liberal Party Climate and Environment Award, which was presented by the Danish Prime Minister. The award was given for Solum Gruppen's ability to successfully combine environmentally friendly waste management with a smarter business model. The company also received the Gazelle Award from Borsen (Denmark's leading business newspaper) for outstanding business management and growth in 1999, 2000, 2006 and 2007.

With financial strength of nearly \$4 million in venture capital funding for international expansion, Solum is bringing the Aikan™ system to North America after successfully operating in Denmark and Norway.

## A BETTER WAY...

Go beyond "business as usual" with Aikan™ system:

- Low-cost waste processing → saves money
- Captures valuable high-energy biogas → cuts power generation fuel costs
- Produces clean organic fertilizer → can be sold or donated locally
- State-of-the-art odor control → low community impact
- Low energy requirements, limited material handling, no moving parts
- Repeated, consistent, proven results with performance guarantees
- ZERO OPERATIONAL DOWNTIME

## TAKE THE LOGICAL STEP

Discover the innovative, business-friendly solutions waiting for you. Contact Aikan North America — [www.aikan.eu](http://www.aikan.eu) — (404) 835-9417 — [info@aikan.eu](mailto:info@aikan.eu). Unlock the potential