

**Himark BioGas Inc.** is a leading **Waste-to-Energy technology** and **engineering services** company. Himark helps our clients by providing patented biogas, algae, and ethanol technologies; conducting project feasibility and project design; supporting in engineering; construction and commissioning; supporting in ongoing operations and maintenance of the facility; and carrying out rescue and resuscitation of competitors' digesters. Furthermore Himark also assists with project financing.

Himark has invested over **USD \$35 million** in research and development to develop cutting-edge waste-to-energy technologies for the most challenging **waste streams** including **open dry-lot dairy manure**.

Himark's unique patented technology (**IMUS™**) takes advantage of **Anaerobic Digestion** to reduce organic material, including sand-laden dairy manure into combustible biogas that can be used as a **renewable replacement for natural gas** - often burned on-site to make 100% renewable base load electricity.

IMUS™ **converts social, environmental and economic hazards of organic waste into solutions.** IMUS™ destroys all pathogens in the material that often causes human, animal or plant health problems. Moreover, fertilizer products from IMUS™ have a very **positive impact on soil health and moisture retention**, leading to overall improvements in agricultural conditions.

We would like to meet you and learn about your livestock operations.

Please call us at 1 855 8 HIMARK (446275) or log on to [www.HimarkBioGas.com](http://www.HimarkBioGas.com) and fill out the contact us form or email us on [info@HimarkBioGas.com](mailto:info@HimarkBioGas.com)



**HimarkBioGas.com**

**Himark BioGas (U.S.) Inc.**

3400 Timmons Ln., #71,  
Houston, TX 77027 - USA

**Toll Free:** 1 855 8 HIMARK (446275)

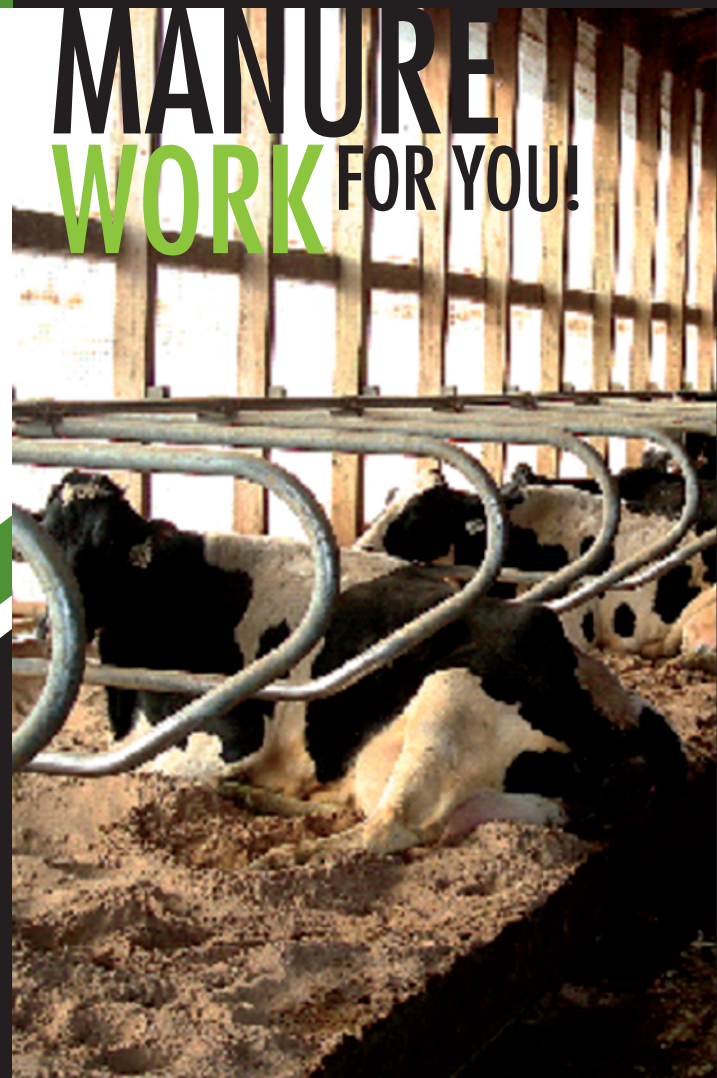
**Email:** [info@HimarkBioGas.com](mailto:info@HimarkBioGas.com)

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



**HimarkBioGas.com**

# MAKE **YOUR** SAND-LADEN MANURE **WORK** FOR YOU!



## SAND/DIRT LADEN MANURE DIGESTION & RECOVERY

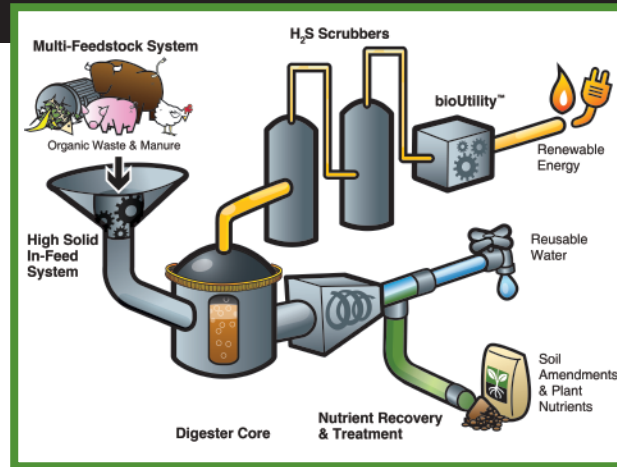
- No grit separation pre-treatment required
- Sand moves through IMUS™ without build up and costly maintenance
- Complete pathogen kill for cattle health and recyclable bedding product

## REVENUE MAXIMIZATION

- On-site energy supply; eliminated charges from fossil-fuel use
- Revenues from surplus energy, carbon credits and bioProducts
- Revenues from off-farm waste management services (tipping fees)
- Cost reduction through recycled bedding and flush water

## RENEWABLE ENERGY & ENVIRONMENTAL BENEFITS

- Co-generation of electricity and heat for on-site consumption and export
- On and off farm waste processing for greater biogas production, revenues and carbon credits
- Reduced crop burning from over-application of nutrients and salts in raw manure
- Odor reduction



## INTEGRATED BIO REFINERY™

The IMUS™ technology integrates extremely efficiently with other waste-generating and/or energy-consuming systems and the Integrated Bio Refinery™ model seamlessly brings together IMUS™ anaerobic digestion technology with other systems, such as **Livestock feeding operations, Food and beverage processing, Slaughter facilities, Municipal facilities, Greenhouses Ethanol and bioDiesel production, and other energy-consuming systems.**

Integrated Bio Refineries™ realize the greatest reduction in waste treatment costs, produce the most energy and bioProducts, and contribute to sustainable resource management.

## LOWER YOUR CARBON HOOFPRIENT

### *And stop wasting manure!*

Every day, dairies haul away hundreds of megawatts of valuable renewable energy trapped in manure.

Until now, sand bedded freestall dairy farms could not **benefit from anaerobic digestion**; other technologies became overwhelmed by sand accumulation in the digester or require expensive manure processing prior to digestion while also losing biogas potential in the process.

Where other technologies and companies have failed, **IMUS™** is the **first in the world commercially proven** to manage sand, grit, dirt and other foreign material without costly pre-treatment.

**With IMUS™, you can keep your sand and digest it too!**



# World's 1st Anaerobic Digestion Technology for sand-laden dairy and other waste