Canadian Firm Commercialises Low Temperature Thermal Hydrolysis

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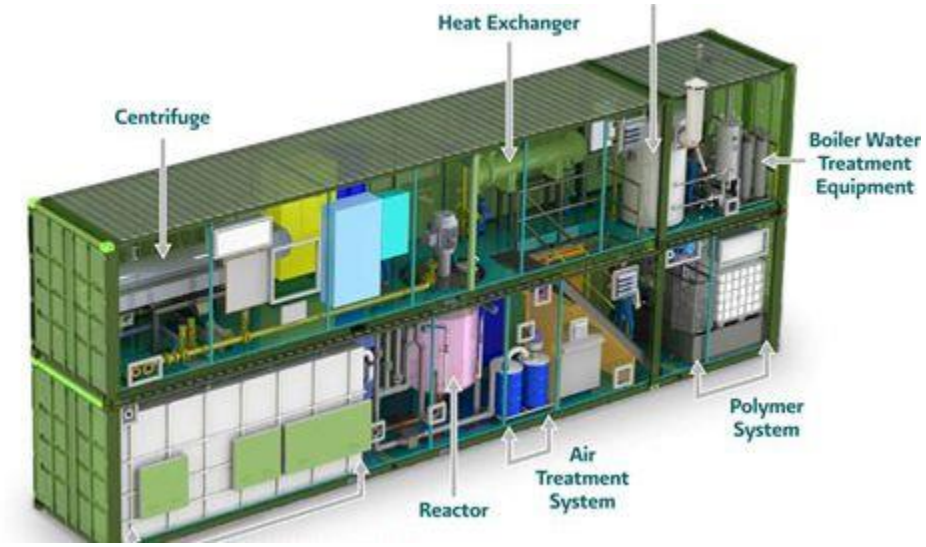
By BEN MESSENGER



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According to the company the concept is a first in the biosolids and organics management sector in North America and was conceived in response to growing market demand from smaller scale treatment plant operators for sustainable biosolids management solutions in support of the movement toward resource recovery.

“The new, Lystek Mobile THP unit is part of our plan to continue innovating and providing the market with a range of practical solutions for biosolids and organics management,” commented Rick Mosher, Chief Technology Officer for Lystek.

“It extends the opportunity to a wider range of wastewater treatment facilities to participate in the many benefits of Thermal Hydrolysis with a compact package based on our proven, award-winning technology,” he continued.

In terms of scalability, the Lystek Mobile THP unit is the company’s smallest commercial system built to date. It capitalises modular design and extends the proven advantages

of Lystek' s in-plant Thermal Hydrolysis solutions by providing a compact, cost effective package that is capable of rapid implementation. It is designed to operate entirely within two vertically stacked 50' containers and requires minimal, external utilities.

According to Lystek, the Mobile THP can provide operational flexibility for generators of biosolids with options to:

Produce a federally recognised, Class A quality biofertiliser product
Optimize the value of digester infrastructure through such measures as decreased output volumes to reduce management costs and increased biogas production for subsequent conversion to "green" energy and/or
Create a cost-effective, alternative source of carbon for Biological Nutrient Removal systems.
The unit will be made available for installation as a permanent solution in smaller scale facilities where the operating parameters and capacity of the unit can be matched to processing needs, or it will be leased for shorter terms to confirm market demand or to address challenges requiring time-sensitive solutions, while developing a long-term, full-scale plan.

"Capital remains a primary constraint for many small to medium sized treatment plants who are also tasked with managing ageing infrastructure and the risk of evolving regulations surrounding biosolids management, Lystek Mobile THP offers a practical solution to respond to these changes in a cost effective manner, particularly when a full facility upgrade may be premature or not required," concluded Mosher.

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Thermal Hydrolysis Organic Waste to Energy Project Receives EPIC Backing
Cambridge, Ontario based biowaste and organics solutions provider, Lystek International has been awarded a US $1.5 million+ grant through the EPIC Program.

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UK autoclave system provider AeroThermal Group has signed a memorandum of understanding (MoU) with Irish organic waste treatment provider Jones Celtic BioEnergy (JCBE) to develop projects in the waste and renewable energy field...