



For Immediate Release

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## **Synagro and CharTech Solutions to Deploy High-Temperature Pyrolysis for PFAS Mitigation of Thermally Dried Biosolids**

*With This Project, Synagro Continues to Lead the Industry Toward Sustainable Solutions by Proactively Addressing the Customers' Future Needs*

**BALTIMORE, Maryland, March 28, 2023** – [Synagro Technologies, Inc.](https://www.synagro.com), the preeminent provider of biosolids and residuals solutions services in North America and CharTech Solutions, a division of CHAR Technologies Ltd. (“CHAR”), a leading cleantech development and environmental services company, have announced a collaboration to develop a system to demonstrate the performance of CharTech Solutions’ proprietary high-temperature pyrolysis (HTP) process to treat thermally dried biosolids.

“Preliminary testing of HTP on biosolids has demonstrated the process can destroy PFAS contaminants, fix carbon in the form of biochar and produce renewable energy in the form of syngas” said Donald Song, senior project engineer, Synagro. “The unit will be self-contained with modules for feedstock handling, pyrolysis, biochar handling, gas clean-up and thermal oxidation and exhaust. The deployment of the unit will establish pyrolysis’ operational requirements, fate of PFAS, emissions and outputs at multiple locations. We believe this technology will be a powerful addition to our extensive experience in operating advanced thermal treatment processes for biosolids.”

“CHAR and Synagro have been working together for three years to test and apply HTP technology for biosolids to eliminate PFAS. Our partnership has evolved through each robust and detailed stage of the development process, and we are excited to move forward to deploy and demonstrate this innovative biosolids treatment technology at Synagro’s sites to validate HTP for commercial-scale applications,” said Andrew Friedenthal, director, Business Development, CHAR.

“CharTech Solutions’ HTP technology presents a breakthrough opportunity to transform wastewater treatment sludge/biosolids into renewable and valuable outputs including renewable energy and biochar, with the goal of decarbonization and PFAS elimination,” added Andrew White, chief executive officer, CHAR.

### **About CharTech Solutions**

CharTech Solutions develops and delivers innovative environmental technology solutions to convert various residual materials and challenging waste streams into renewable and valuable outputs, helping our clients embrace the circular economy. CharTech Solutions designs and delivers turnkey high-temperature pyrolysis projects to clients, with core competencies of process engineering and project management, Visit [www.CHARtechnologies.com](https://www.CHARtechnologies.com) to learn more.



## About Synagro

Founded in 1986, Synagro Technologies, Inc. works to turn waste into worth by helping more than 1,000 municipal, industrial water and wastewater facilities, and agricultural partners in North America move toward safer, cleaner and more environmentally beneficial practices. For some, it's simply cleaning the water supply. For others, it's much more – we partner with them to process their waste for compost or energy pellets, creating healthy soil and sequestering carbon in the process. As the largest recycler of organic by-products in North America, we're trusted because we remove risks while keeping the logistics clean. Because we have the most experienced team in the industry, we can offer tailored solutions that ensure no waste goes to waste. Much of our work isn't pretty. But it's a greener world emerging from a cleaner one – worth coming from waste – and we think that's pretty beautiful. Visit [www.synagro.com](http://www.synagro.com) to learn more.

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### Contact:

John Goodwin  
Senior Vice President, Engineering  
Synagro Technologies, Inc.  
[jgoodwin@synagro.com](mailto:jgoodwin@synagro.com)

Donald Song  
Senior Project Engineer  
Synagro Technologies, Inc.  
[dsong@synagro.com](mailto:dsong@synagro.com)

Andrew White  
Chief Executive Officer  
CHAR Technologies Ltd.  
[andrew.white@chartechnologies.com](mailto:andrew.white@chartechnologies.com)

Andrew Friedenthal  
Business Development Manager  
CHAR Technologies Ltd  
[afriedenthal@chartechnologies.com](mailto:afriedenthal@chartechnologies.com)

Richard R. Ruberti, Sr.  
Director, Communications  
Synagro Technologies, Inc.

**SYNAGRO**

[rruberti@synagro.com](mailto:rruberti@synagro.com)