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## OMNI CT and ABB to collaborate on innovative waste-to-fuel technology

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ABB's automation and electrical technology will enhance operational efficiency of OMNI CT's state-of-the-art waste refining system

Companies will collaborate on a combined offering that turns waste into synthetic gas and other fuels, supporting municipal and industrial companies as they strive for a more sustainable future



ABB received a Letter of Award from Canadian cleantech company OMNI Conversion Technologies Inc. (OMNI CT) to offer municipalities and industry a fully integrated waste-to-energy solution. ABB was selected by OMNI CT to provide cutting-edge automation technologies to support their process, including industry-leading distributed control system ABB Ability™ System 800xA and ABB integrated eHouse solutions, ready to operate in the field with minimal installation, commissioning, and start-up time. The ABB Ability™ System 800xA is not only a distributed control system (DCS) it's also an electrical control

system, a safety system, and a collaboration enabler with the capacity to improve engineering efficiency, operator performance and asset utilization.

OMNI CT's patented OMNI200™ Gasification & Plasma Refining System can take virtually any energetic solid material – from black-bagged municipal garbage to industrial and commercial waste, to residual biomass – and turn it into synthetic gas (syngas) through a thermal conversion process. Syngas can be used as a substitute for natural gas or can be converted to hydrogen, synthetic natural gas, chemicals, liquid fuels, or electricity for use in a wide range of industries.

OMNI CT's technology will be fortified by ABB's experience in integrated electrical and automation solutions for energy industries.

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**“The Omni200™ technology, proven at industrial scale, is a completely integrated system, delivered to site and installed by OMNI. This system processes 200 tons of feedstock per day into clean consistent syngas,” said Marc Bacon, President and COO, OMNI Conversion Technologies Inc. “We selected ABB based on their engineering capabilities, their local and global support network and innovative solution. ABB’s unique portfolio of integrated automation, electrical and digital solutions ensure a secure, reliable, and steady electrical power supply to our system.”**

“The collaboration underlines a shared focus on reducing carbon emissions and driving decarbonization. We are thrilled that OMNI CT selected ABB as their supplier of choice for integrated electrical and automation solutions for their Omni200™ product,” said Ben Venter, Vice President, ABB Energy Industries, Canada. “Sustainability is embedded in everything we do at ABB. We are excited to partner with OMNI CT to advance clean energy technology. Apart from customers becoming more sustainable, our technology will also help them to continually improve productivity and run safer operations.”

**ABB's Process Automation** business is a leader in automation, electrification and digitalization for the process and hybrid industries. We serve our customers with a broad portfolio of products, systems, and end-to-end solutions, including our # 1 distributed control system, software, and lifecycle services, industry-specific products as well as measurement and analytics, and marine offerings. As the global #2 in the market, we build on our deep domain expertise, diverse team and global footprint, and are dedicated to helping our customers increase competitiveness, improve their return on investment and run safe, smart, and sustainable operations. [go.abb/processautomation](https://go.abb/processautomation)

**ABB** (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by about 105,000 talented employees in over 100 countries. [www.abb.com](https://www.abb.com)

**OMNI Conversion Technologies** is a Canadian based company that offers a disruptive technology for global waste and clean fuel markets. The Company's patented thermal chemical conversion technology Omni200™ allows OMNI to utilize a wide variety of feedstocks for conversion, including MSW, biomass, agricultural crops, and food processing waste into a conditioned syngas ready for use as a substitute for natural gas, upgrade to low carbon intensity hydrogen, renewable natural gas for input into pipelines, or further process through Fischer Tropsch to produce SAF or renewable diesel. Its compact size and zero emissions profile allows OMNI facilities to be in urban areas where waste is produced. [www.OmniCT.com](http://www.OmniCT.com)

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