

Estonia's largest biogas producer partners with Swedish C-Green on circular sludge treatment

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PRESS RELEASE

2022-12-02

Estonian Cell, pulp manufacturer and Estonia's largest biogas producer, and C-Green, a Swedish clean-tech company with a new technology for sustainable handling of wet organic waste, announced today that they have entered into a partnership focused on circular sludge treatment. Estonian Cell is owned by Heinzl Holding GmbH, a leading European producer of market pulp and packaging papers based in Austria.

The partnership will investigate the application of C-Green's sludge treatment solution at Estonian Cell in Kunda, Estonia. C-Green's OxyPower HTC™ technology converts sludge and other wet organic waste into hydrochar, a dry, sterile, bio-based, carbon-enriched product that can be used as biofuel or as soil improvement. Compared with current methods of wet waste handling, as much as 80% of greenhouse gas emissions can be avoided using C-Green's technology.

"Sustainability is one of the cornerstones in our business. We are starting a partnership with C-Green to find the best possible solution for handling our wet organic waste. This partnership is part of our continued efforts to create value and circular solutions for all of the residuals from our pulp production," says Rain Pärn, CTO Estonian Cell.

Activities include sludge tests in C-Green's laboratory and pilot plant, system and site condition analyses and a site study. Today, Estonian Cell composts the sludge produced by the mill which is complicated due to environmental requirements for sludge stabilization.

"I am very much looking forward to this partnership. Together with Estonian Cell, we will determine not only how to best convert their sludge into hydrochar in a climate-smart and economically viable way," says Michael Sjöberg, CEO at C-Green. "We will also identify ways our technology can have a synergistic effect and increase the production of Estonia's largest biogas plant. And the hydrochar produced can be used for soil improvement products, making it a win-win project."

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C-Green media for public release:

Find images, videos, and documents at tiny.cc/cgreen

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ABOUT AS ESTONIAN CELL

Estonian Cell's Kunda aspen pulp mill began operations in 2006. At 205 MEUR, the facility boasts one of the biggest foreign greenfield investments made in Estonia over the last decade. As of 31.12.2021 the company had 95 direct employees and generated about 500 other jobs within its value chain. The company produces high-quality chemi-thermomechanical aspen pulp that is exported to various countries in Europe and Asia. The company meets the requirements of quality, safety, environmental and energy management systems and has received ISO 9001, ISO 14001, ISO 45001, ISO 50001, EMAS, FSC, and PEFC certificates. The sole owner of Estonian Cell is Heinzl Holding GmbH, a leading producer of market pulp and packaging papers based in Austria.

ABOUT C-GREEN

C-Green is a Swedish clean-tech company with a technology that transforms wet waste into useful products in a cost-efficient and climate smart way. C-Green's technology converts sludge and other wet organic waste into hydrochar, a dry, sterile, bio-based, carbon-enriched product that can be used as biofuel or as soil improvement. C-Green's OxyPower HTC™ biorefineries provide waste handlers, industries, municipalities, agriculture, and food processors with a safe and sustainable wet waste management solution while at the same time simplifying the recovery of nitrogen and phosphorus and increasing biogas production. The global production and handling of sludge is a major contributor to greenhouse gas emissions. Compared with current methods of wet waste handling, as much as 80% of greenhouse gas emissions can be avoided using C-Green's technology.

