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Enviro collaborating with Chalmers on next generation recycling technology

Scandinavian Enviro Systems (Enviro) is participating in a three-year project at Chalmers University of Technology in Gothenburg within the scope of an initiative to reduce the carbon footprint of West Sweden's chemical industry. The collaboration aims to leverage increased knowledge to develop the next generation of Enviro's pyrolysis-based recycling technology.

The project is part of the innovation agency Vinnova's ten-year Vinnväxt initiative Klimatledande processindustri ("Climate Leading Process Industry"). The initiative aims to support the West Sweden chemicals industry's transition from its dependence on fossil fuel to an industry based on renewable and recovered raw materials. In addition to Enviro, other participants include Stena and the chemical company Borealis.

The sub-project involving Enviro's technology addresses the recovery of complex polymers and is being led by the Division of Energy Technology at the Department of Space, Earth and Environment at Chalmers University of Technology in Gothenburg. Chalmers is represented by Associate Professor Martin Seemann and postdoc scientist Nidia Diaz, both of whom have many years of experience in pyrolysis. As part of the project, the Chalmers scientists are visiting Enviro's plant in Åsensbruk this week to see the process in operation and to investigate possibilities for taking joint measurements.



Maria Tellblom from Enviro gives Associate Professor Martin Seemann and Nidia Diaz a tour of Enviro's plant in Åsensbruk.

Through combining Enviro's many years of experience in pyrolysis with the latest research findings in the area, the parties hope to collaborate on developing the next generation of material recycling solutions using pyrolysis.

"The aim is to study the technology more closely to obtain a better understanding of it and to thereby be able to make future improvements," says Martin Seemann.

"Thanks to our facility in Åsensbruk, we have more than ten years of practical experience with pyrolysis. The collaboration with Chalmers means that we can combine that experience with advanced research for the development of the next generation of pyrolysis-based solutions for different materials," says Thomas Sörensson, CEO of Enviro.

Scandinavian Enviro Systems contributes to enhanced environmental and economic sustainability using a patented technology for the recovery of valuable raw materials from scrapped and end-of-life products, including tires. The production of new tires using carbon black recovered with Enviro's technology reduces carbon dioxide emissions by up to 93 per cent compared with the use of virgin carbon black. Enviro has its head office in Gothenburg and a plant for the recycling of end-of-life tires in Åsensbruk. The largest owner is the French tire manufacturer Michelin. Enviro was founded in 2001 and is listed on Nasdaq First North Growth Market. www.envirosystems.se



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N.B. The English text is an in-house translation of the original Swedish text. Should there be any disparities between the Swedish and the English text, the Swedish text shall prevail.

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