

Press Release

of Pyrum Innovations AG

VTTI and Pyrum partner to develop waste tyres recycling thermolysis plant in Antwerp

- **Plant to be build at VTTI's Antwerp Terminal within the Port of Antwerp and Bruges**
- **Planned recycling capacity of up to 90,000 tonnes of waste tyres per year**
- **Pyrum was selected as a partner due to its advanced, proven thermolysis technology and successful track record of industrial-scale operations in Europe**
- **VTTI aims to develop similar plants at its existing sites across the globe**

Rotterdam, the Netherlands / Dillingen (Saar), Germany, 26 February 2025 – VTTI, a global leader in energy storage and infrastructure, has entered into an agreement with Pyrum Innovations AG, an expert in the recycling of waste tyres via thermolysis, to develop a state-of-the-art waste tyres recycling thermolysis plant at VTTI's Antwerp Terminal (ATPC). This agreement marks a significant step towards integrating sustainable waste management solutions into VTTI's infrastructure and marks another important step in Pyrum's international expansion plans.

The project entails the construction of a waste tyre recycling thermolysis plant with a processing capacity of up to 90,000 tonnes of End-of-Life Tyres (ELT) annually, implemented in two phases of 45,000 tonnes each. VTTI will hold full ownership of the plant, while Pyrum will act as the development partner, providing its proprietary and patented thermolysis technology. Following a comprehensive evaluation, Pyrum was selected as the development partner due to its advanced, proven thermolysis technology and successful track record of industrial-scale operations in Europe.

This partnership aligns with VTTI's strategic vision of expanding its infrastructure footprint in sustainable energy solutions. As part of VTTI's commitment to achieving 50% of its earnings from transitional and sustainable energies, the development of this plant represents a key milestone in diversifying its portfolio. VTTI aims to develop similar plants at its existing sites across the globe.

Guy Moeyens, CEO of VTTI, commented on the partnership: "This collaboration with Pyrum marks a significant step in our journey towards a more sustainable future. By integrating cutting-edge thermolysis technology into our existing infrastructure, we are not only diversifying our energy portfolio but also contributing to the circular economy. This project reflects VTTI's commitment to innovation and responsible energy solutions, reinforcing our role in the transition towards a greener and more sustainable energy landscape."

The thermolysis process will transform waste tyres into valuable by-products, including Tyre Pyrolysis Oil (TPO) and Recovered Carbon Black (rCB). By leveraging its existing infrastructure and expertise, VTTI aims to facilitate the transition to a circular economy while enhancing the sustainability of industrial side streams.



Pascal Klein, CEO of Pyrum Innovations AG, commented on the partnership: “The collaboration with VTTI marks the next important milestone in modern tyre recycling and offers great potential for the future. We are very proud of the trust placed in us and our technology. With the construction of our largest Pyrum recycling plant to date, which will have a capacity of up to 90,000 tonnes of ELTs per year, we are collectively making a strong statement for the circular economy in Europe. Our goal is not only to actively contribute to a more environmentally friendly future but also to create a sustainable recycling system for used tyres. We can only achieve this with a dedicated team and strong partners by our side.”

The new plant will be situated at ATPC within the Port of Antwerp and Bruges (PoAB), one of Europe’s key industrial hubs and home to the largest integrated chemical cluster in Europe. VTTI Antwerp’s strategic position within the PoAB ensures connectivity through an extensive pipeline network and proximity to both upstream and downstream industrial hubs. Furthermore, the location provides close access to Europe’s largest ELT markets, including Germany, the UK, and France, making it an ideal site for a large-scale recycling initiative.

The waste tyre recycling plant directly supports the European Union’s Green Deal objectives. The European Commission’s Circular Economy Action Plan (CEAP), a cornerstone of the Green Deal, seeks to reduce pressure on natural resources, foster sustainable economic growth, and contribute to the EU’s 2050 climate neutrality target. Through this initiative, VTTI and Pyrum are playing an active role in Europe’s transition to a circular economy, supporting both environmental sustainability and economic development.

Next Steps

With the agreement in place, VTTI has already allocated land at its Antwerp site for the project, and preparations for the permit application process are underway. Market consultation where relevant in relation to feedstock and offtake of TPO and rCB will follow in due course.

With the signing of the contract, Pyrum will now start the engineering phase, during which the plant design for a capacity of 20,000 tons of end-of-life tyres per year will be revised and expanded. The aim is to optimise the plant so that it can process up to 90,000 tonnes of ELTs per year in Antwerp.

This partnership underscores VTTI’s ongoing commitment to pioneering the next generation of energy infrastructure, reinforcing its role as a leader in sustainable energy solutions.

About VTTI:

For over 18 years, VTTI has been a global leader in independent energy storage and now develops critical energy infrastructure needed to move towards a carbon neutral future. Fueled by its purpose, ‘Energy to Move Tomorrow,’ the company safely provides and expands access to essential energy, including biofuels, chemicals, gasses, and other energy derived products and accelerates the transition to sustainable sources for customers and partners. Please visit www.vtti.com for more information.

VTTI’s headquarter is in Rotterdam, the Netherlands, and the company is owned by IFM Investors, Vitol and ADNOC.



About Pyrum Innovations AG

Pyrum Innovations AG has revolutionised the recycling market for end-of-life tyres. Since 2008, the company has been developing an innovative thermolysis technology that enables end-of-life tyres and plastics to be recycled with virtually no emissions. The process can recover high-quality products such as thermolysis oil and rCB (recovered Carbon Black), which are used by renowned partners such as BASF, Continental and Schwalbe to manufacture new products. In this way, the company closes the material cycle and pursues a sustainable business model in line with climate targets. Since 2020, the first plant at the company's headquarters in Dillingen/Saar has been in continuous operation, and two further plants have been added as part of the site expansion in 2024. Thanks to respected certificates such as REACH and ISCC Plus, the products are considered to be of high quality, sustainable and renewable.

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