



Materials Services segment

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thyssenkrupp Materials Services and Novelis partner to drive circularity

- Companies aim to set new standards for end-of-life recycling with automotive circularity platform.
- Open platform will enable access to larger quantities of high-quality recycling materials.
- First step will include a prototype for comprehensive testing and evaluation purposes.

Essen/Zurich – thyssenkrupp Materials Services, the biggest mill-independent materials distributor and service provider in the Western world with a distinctive portfolio of innovative digital supply chain solutions, and Novelis Inc., a leading sustainable aluminum solutions provider and the world leader in aluminum rolling and recycling, have formed a partnership to increase end-of-vehicle-life recycling and availability of valuable secondary materials that can be recovered from automobiles at the end of the consumer-use cycle.

Through the joint development of a digital platform called the Automotive Circularity Platform (ACP), the companies seek to digitalize the market for secondary materials recovered from end-of-life vehicles and increase its transparency by creating an ecosystem with the common long-term goal to increase the recycling rate of cars and reduce carbon emissions. ACP will be a digital marketplace that connects stakeholders throughout the automotive end-of-life value chain and empowers automotive suppliers to capture and reuse aluminum and other materials, such as steel, plastics, glass, rubber, and more.

The first step is to create a prototype of the platform for comprehensive testing and evaluation purposes. The results of the proof-of-concept analysis will serve as feedback for thyssenkrupp Materials Services and Novelis to make enhancements and explore the possibility of wider adoption and use by their respective industry partners.

Open platform to facilitate access to high-quality recycled material

“ACP is a major step forward in creating an open, accessible trading platform for materials at the end of the consumer-use cycle for companies seeking to fulfill broader and deeper commitments to sustainability and circularity,” said **Michael Hahne, Vice President and General Manager Automotive**, Novelis Europe. “Not only will ACP increase circularity through optimized material flows and thus enable access to larger quantities of high-quality recycling materials, while minimizing waste to landfill, it will also create a transparent and trusted connection for all stakeholders to create and deploy their own value-generating recycling processes.”

“thyssenkrupp Materials Services and Novelis have formed a relationship that leverages the best of our companies’ respective expertise, the strengths of which are complementary in every respect,” said **Sebastian Smerat, Head of Customer Innovation at thyssenkrupp Materials Services**.

“thyssenkrupp Materials Services delivers unmatched materials knowledge and experience in digital supply chains and market access to a broad, complex sector. Novelis brings in unique expertise in fields such as aluminum recycling, reuse processes and development of aluminum alloys with high-recycled content. With the idea of developing an automotive circularity platform for aluminum, we are consistently pursuing the path of our sustainability strategy BEYOND at thyssenkrupp Materials Services.”

With the rise in electric vehicles, the reduction of pollutants from tailpipes will become secondary to increasing supply chain and manufacturing efficiencies, as top targets for decarbonization. A circular ecosystem with unprecedented collaboration between all stakeholders will play an essential role in the automotive industry reaching its climate targets.

Aluminum ideally suited for recycling

For aluminum in particular, recycling is the epitome of sustainable practices representing an approximate 95% reduction in CO₂ emissions compared to the more energy intensive requirements of primary production. Furthermore, aluminum has the ability to be infinitely recyclable with no loss of properties including strength, lightness, durability, and formability. The many advantages the material offers contribute to its increasing use across industries seeking to achieve greater sustainability.

While closed-loop aluminum recycling of production scrap has become a sustainability best practice in the automotive industry in recent years, the loop at the end of a vehicle's life has yet to be closed. In a market that is thriving with diverse opportunities and on the brink of exciting growth, the partnership between Novelis and thyssenkrupp Materials Services is a major step toward achieving a circular economy for aluminum.

About thyssenkrupp Materials Services

thyssenkrupp Materials Services is the biggest mill-independent materials distributor and service provider in the Western world with around 380 locations – including around 260 warehouse sites – in more than 30 countries. The versatile range of services offered by the materials experts allows customers to focus even more strongly on their individual core businesses. As part of its strategic further development "Materials as a Service" the company is focusing on the supply of raw materials and materials as well as products and services in the area of supply chain management. Digital solutions ensure efficient and resource-saving processes for customers and thus provide the basis for sustainable action. From 2030 thyssenkrupp Materials Services will operate on a climate-neutral basis.

About Novelis

Novelis Inc. is driven by its purpose of shaping a sustainable world together. We are a global leader in the production of innovative aluminum products and solutions and the world's largest recycler of aluminum. Our ambition is to be the leading provider of low-carbon, sustainable aluminum solutions and to achieve a fully circular economy by partnering with our suppliers, as well as our customers in the aerospace, automotive, beverage can and specialties industries throughout North America, Europe,

Asia and South America. Novelis had net sales of \$18.5 billion in fiscal year 2023. It is a subsidiary of Hindalco Industries Limited, an industry leader in aluminum and copper, and the metals flagship company of the Aditya Birla Group, a multinational conglomerate based in Mumbai. For more information, visit novelis.com.

Images are available for download here – please note the respective source reference (Sources: thyssenkrupp Materials Services/Novelis):

https://transfer.thyssenkrupp.com/public/v138918p_302efd25f283ed5b6e0108/

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