

# Novelis and Fives partner to advance Energy Efficiency in Aluminium Recycling

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[Novelis](#), a leading sustainable aluminium solutions provider and the world leader in aluminium rolling and recycling, and Fives, a global leader in industrial combustion with over 100 years of expertise, have successfully completed the revamping of three secondary aluminium melting furnaces at Novelis' facility in Voerde. This joint project marks an important step forward in the decarbonisation of industrial processes and highlights the shared commitment of both companies to sustainability and innovation.

## High-Performance Combustion Technology Drives Sustainability

In close collaboration, Novelis and Fives upgraded three existing melting furnaces at Novelis' plant in Voerde, with Fives' state-of-the-art North American® regenerative technology. The North American TwinBed® II burners, manufactured by Fives, are recognised for their energy efficiency, low emissions, and robust design. From engineering and design to commissioning, the project was fully managed by Fives' North American Combustion's teams based in Bilbao, Spain.

The final furnace was recently commissioned, resulting in a more than 40% reduction in carbon footprint, based on gas consumption, compared to pre-upgrade levels measured in mid-2023 at the Voerde casthouse.

## Strengthening a Long-Standing Partnership

"Sustainability is at the core of Novelis' business model," said Emilio Braghi, Executive Vice President and President Novelis Europe. "With our company vision, Novelis 3x30, we've set ambitious goals to advance circularity and decarbonisation by 2030. The upgrade of our three melting furnaces represents a practical

advancement in reducing our environmental footprint and improving operational efficiency."

"This project represents a new milestone in our long-standing collaboration with Novelis, which began nearly two decades ago," added Pablo Arribalzaga, Managing Director for Europe at Fives North American Combustion. "We are proud to support Novelis' sustainability journey with high-performance, low-emission combustion solutions tailored to their operations."

This achievement further strengthens the partnership between Fives and Novelis in Germany, which has grown over many years through a series of successful joint projects and a shared commitment to more sustainable and efficient industrial solutions.