

# ENERCAT | Industrial gas purification by catalysis.

## CATALYSIS, A MAJOR ASSET FOR SUSTAINABILITY AND DECARBONIZATION.

Designer and manufacturer of catalysts for gas emissions control.

For chemistry, energy production, materials, incinerators, fertilizer production, etc.

Providing optimal air treatment and catalysis solutions and inventing the solutions for tomorrow.



Bulk catalyst for NO<sub>x</sub> treatment in waste incineration.

Enercat actively contributes to reducing the environmental impact of industries. The company based in Brittany, integrated within the Alsys group, offers its customers solutions for the treatment of industrial gas emissions through catalytic processes, targeting processes emitting NO<sub>x</sub>, N<sub>2</sub>O, and VOCs.

*"We provide not only products but also comprehensive expertise in this field,"* says Emmanuel Rohart, the company's CEO. *"It's a comprehensive service that includes studies, design, supply, and on-site services."*

**A UNIQUE EXPERTISE IN FRANCE**  
Enercat is the only French company that offers such a wide expertise in environmental catalysis and develops and produces its catalysts in France. To do so, it relies both on its internal capabilities and on industrial partners, such as Prossergy, for engineering, studies, and equipment design.

*"We are very active in the French market for waste incinerators and biomass power plants, as well as in the international market for nitric units,"* adds E. Rohart. *"We proudly claim our 'Made in France' approach, with ambitions both within our borders and beyond."*

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Honeycomb catalysts for DeNO<sub>x</sub>, DeN<sub>2</sub>O, or DeCOV applications.



DeNO<sub>x</sub> SCR (Selective Catalytic Reduction) for the Cluses waste incinerator (74).

But Enercat also looks further by developing "the activities of tomorrow," particularly in assisting its clients in decarbonizing industrial processes with tailor made catalytic solutions. There are many topics, focused primarily on ammonia and hydrogen or CO<sub>2</sub> and its valorization:

Enercat redefines catalytic formulations for major industrial processes, including methanation, ammonia cracking, and water-gas shift. In this regard, Enercat will supply the methanation catalyst for the biomethane unit of the Salamandre project, led by Engie.

\* "■ \*Article by Aurélie Barbaux in L'Usine nouvelle on 30/06/22.

## ENERCAT, AT THE HEART OF ALSYS GROUP

Enercat is an integral part of ALSYS group, which positions itself as a designer, manufacturer, and installer of materials, equipment, and processes in the field of liquid filtration and gas catalysis. The group includes four other entities in France and North America: CTI, Orelis, CeraMem, and ClearBakk.

such as water and gas treatment, chemicals, oil & gas industries, human and animal nutrition, and more. The group's expertise and technologies contribute to addressing various challenges such as industrial performance, environmental responsibility, health, environmental regulations, and water scarcity. ■

**ADDRESSING THE CHALLENGES OF TOMORROW**  
Combining expertise in material formulation and manufacturing, process design, and engineering, the group has grown a world wide established know-how. With locations in Europe, Asia, and North America, it serves many markets