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Auterra Announces FlexUP™ Technology Products

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Auterra Inc., a clean energy company that is actively developing catalyst and process technology for the upgrading of heavy and sour crude oil and oil distillates, has announced its FlexUP™ Technology family of products. Auterra's FlexUP technology is a low-cost, low-energy oxidant-based upgrading process that minimizes carbon dioxide emissions while maximizing oil value.

At the core of Auterra's [FlexUP™ Technology](#) process is the FlexOX™ family of catalysts and the FlexDS™ chemical package. The first stage of the process uses [FlexOX™](#) catalysts to provide highly selective and reactive oxidation of sulfur and nitrogen moieties in hydrocarbon streams. The second stage of the process uses the FlexDS™ chemical package to cleave the oxidized species away from the hydrocarbons and remove them as by-products. This results in a higher value crude oil product.

"FlexOX is a highly selective catalyst that specifically interacts with nitrogen and sulfur molecules," said Kyle Litz, PhD, Chief Technology Officer. "Combined with the FlexDS chemical package, it is a cost effective process to remove crude oil contaminants, improve viscosity, and increase liquid yields."

The FlexUp Technology is complementary to conventional [downstream](#) refining technologies, and works best for the most difficult to process crudes, distillates and off-spec streams.

A robust patent portfolio protects the primary catalysts and process elements of the FlexUP Technology, the novel FlexOX™ catalyst which oxidizes only heteroatoms and the proprietary FlexDS™ chemical package which selectively cleaves away the oxidized moieties.

About Auterra Inc.

Auterra Inc. is a clean energy company, specializing in catalyst and process technology for the purification and upgrading of heavy crude oil and oil distillates. Auterra's FlexUP technology is a low-cost, low-energy oxidant-based process that minimizes carbon dioxide emissions while maximizing oil value. The company is located in the Tech Drive Business Park in Schenectady, NY.

For information you can find us at www.AuterraInc.com or call 518.382.9600.