



Technology Fact Sheet

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UNPZ SELECTS CDTECH TECHNOLOGY FOR GASOLINE DESULFURIZATION

OAO "UNPZ" Ufa Refinery will be using CDTECH's CDHydro/CDHDS+ technology for its fluid catalytic cracking gasoline hydrodesulfurization unit with a treating capacity of 1,260,000 metric tonnes per year, at their refinery in Ufa, Russian Federation. UNPZ will employ the latest generation of CDTECH's CDHydro/CDHDS+ technology to reduce the sulfur content of the FCC gasoline to 10 ppm with minimum octane loss, in order to meet Euro-5 requirements.

Owner:	OAO "UNPZ" Ufa Refinery
Location:	Ufa, Russian Federation
Process:	Fluid catalytic cracking (FCC) gasoline hydrodesulfurization
Capacity:	1,260,000 metric tonnes per year
Production:	Ultra Low Sulfur Gasoline
Technology:	CDHydro® and CDHDS+® technologies
Description:	The CDHydro and CDHDS+ technologies combine distillation with catalytic reactions for selective treatment of gasoline at optimal severity, which ensures maximum octane retention while producing low sulfur gasoline blendstocks at low cost. The catalytic distillation environment in the process minimizes catalyst fouling and results in extremely long catalyst life while maintaining high activity and selectivity.
Advantages:	Compared to conventional processes, the CDTECH processes have increased operational flexibility to process variations in feedstock properties.

About CDTECH

Catalytic Distillation Technologies (CDTECH) is a partnership between Lummus Technology, a [CB&I](#) company (NYSE: CBI), and Chemical Research and Licensing, a part of CRI/Criterion Inc., the global catalyst technology company of Royal Dutch Shell plc. [CDTECH](#) develops and licenses advanced refining and petrochemical processes based upon its proprietary catalytic distillation technology. Technologies developed by CDTECH for the production of low sulfur and high octane blendstocks for use in reformulated gasoline are the leading technologies of choice worldwide. To access technical details, visit [Lummus Technology Fact Sheets](#).