



Technology Fact Sheet

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Kazakhstan Petrochemical Industries using CATOFIN® technology

- Owner :** Kazakhstan Petrochemical Industries Inc. LLP (KPI)
- Location:** Karabatan, Atyrau Region of Kazakhstan
- Process:** Propane dehydrogenation
- Capacity:** 500,000 metric tons per annum
- Production:** Propylene
- Technology:** CATOFIN dehydrogenation process utilizing Süd-Chemie's latest CATOFIN catalyst
- Description:** The CATOFIN dehydrogenation process is a reliable, proven means to produce propylene from propane. The process operates at optimum reactor pressure and temperature to maximize conversion of propane for a high yield of propylene and correspondingly low investment and operating costs.
- CB&I Advantage:** Several CATOFIN propane dehydrogenation units are in operation or in various stages of engineering and construction throughout the Americas, Europe, Africa and Asia.

Benefits:

FEATURES	BENEFITS
High per pass conversion and high catalyst selectivity	Lower investment and operating costs
High single train capacity	Economy of scale
No hydrogen recirculation or dilution steam	Lower investment and operating costs
Fixed bed reactors	Reliable and robust operation with high on-stream factor
No catalyst losses	Environmentally sound design

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