
Technology Fact Sheet



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Ibn Rushd utilizing CATOFIN® technology

- Owner:** Ibn Rushd, a SABIC affiliate
- Location:** Yanbu, Saudi Arabia
- Process:** Propane dehydrogenation
- Capacity:** 650,000 metric tons per annum – The largest single line capacity in the world
- Production:** Propylene
- Technology:** CATOFIN dehydrogenation process utilizing Sud-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:** Lummus Technology is the exclusive worldwide licensor of the technology. Several CATOFIN propane dehydrogenation units are in operation or in various stages of engineering and construction in four countries around the world.

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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