



Chevron Lummus Global

Media Release

ISOCRACKING Technology From Chevron Lummus Global for Galp Energia's Sines Refinery

Portugal's largest refiner, Galp Energia, will use Chevron Lummus Global's (CLG's) deep-conversion ISOCRACKING technology at the heart of its approximately EUR 1 billion (\$US 1.4 billion) investment plan for its Sines and Oporto refineries to boost margins and increase production.

The investment will enable its refineries to process heavier and cheaper crude oil, to increase diesel production by 2.5 million tonnes/annum and decrease fuel oil production - thus improving its economics while meeting consumption trends in the Iberian market.

The Galp Energia hydrocracking facility, to be located in Sines, Portugal, will process 43,000 barrels per day of heavy vacuum gasoils to produce high quality "sulfur-free" diesel, compliant with the most stringent EURO 5 specifications for the EU. CLG's hydrocracking technology was selected by Galp after a thorough analysis showed it offered the best overall economics by a well-proven process scheme.

Galp Energia is a leading Portuguese producer and distributor of refined products in Portugal. The Sines refinery is the largest in the country producing 225,000 barrels per day of gasoline, diesel, jet fuel and liquid petroleum gas (LPG) for distribution in Spain, Portugal and Africa. It is located about 160 km south of the capital Lisbon.

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