



Chevron Lummus Global LC-FINING selected for Shell Canada's Athabasca Oil Sands Project Downstream Expansion

Richmond, CA, Shell Canada Limited has signed a license agreement with Chevron Lummus Global LLC (CLG) to apply LC-FINING technology in the new bitumen upgrading train to be built as part of Shell's Scotford Upgrader Expansion Project. Part of the Athabasca Oil Sands Project, a joint venture among Shell Canada Limited (60%), Chevron Canada Limited (20%) and Western Oil Sands L.P. (20%), Shell's Scotford Upgrader is located east of Edmonton, Alberta, Canada. Shell's plans for a new third bitumen upgrading train include a residue hydrocracking plant for the production of synthetic crude oil. With this expansion as well as debottlenecking projects currently underway, Shell will increase bitumen production from 155,000 barrels a day to approximately 300,000 barrels a day by 2010.

CLG's Joint Managing Director, Dr. Mal Maddock, stated, "This is Shell's Canada's third residue hydroprocessing unit adopting CLG's LCF technology. We view this as a very strategic award and hope to use it as a springboard for future broader cooperation with Shell on residue hydroprocessing and other technology areas for the production of synthetic crude oils."

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CLG will provide an engineering package to Shell, including follow-up technical support during the detailed engineering design, and support during the start-up and commissioning of the LCF residue hydroprocessing unit.

CLG licenses refining hydroprocessing technologies and catalyst systems worldwide, and is a 50-50 joint venture between Chevron U.S.A. Inc., a wholly owned subsidiary of Chevron Corporation, and ABB Lummus Global.

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