

# Cryogenic gas plant for Mexico

## LPP wins bidder competition



Linde Process Plants (LPP), in Tulsa, Oklahoma, USA, was awarded a 200 MMSCFD single train Cryogenic Gas Plant by PEMEX Gas y Petroquímica Básica for installation in Poza Rica, Veracruz/Mexico. PEMEX Gas y Petroquímica Básica, which focuses on gas and basic petrochemicals, is owned by PEMEX, the oil company owned by the Mexican government.

This is the fourth successful LPP project award from PEMEX in the last decade. Each has been bid in collaboration with ICA Fluor the industrial construction joint venture of Mexico's Empresas ICA and Fluor Corp., and Orloff Ltd.

This project award closely follows the successful startup of the sixth Linde Process Plant train for PEMEX in Reynosa, Mexico. LPP's success is not only based on the good cooperation with PEMEX, but also on Orloff's well engineered SCORE process which promises high propane recovery of 98%+, and must also be convertible in the future for very high ethane recovery.

LPP's success on these projects is due, in part, to a close working relationship with the ICA Fluor team in Mexico City. Our past experience in bidding for PEMEX projects and the contributions of the LPP team enables us to

maneuvering successfully through the complex ITB requirements with a very aggressive bid schedule.

Linde Process Plants and ICA Fluor will be jointly responsible for the engineering, procurement, construction, testing and startup. The project will begin in August 2009 and construction is scheduled to last two years. The Poza Rica site will be developed further with at least two more trains. The second ITB is expected to be issued later this year.



Founded in 1938, the PEMEX (Petrolios Mexicanos Coportivo) state petroleum concern today represents the most important industrial sector in Mexico. As a monopoly corporation for gasoline and diesel fuels PEMEX possesses the exclusive right to grant concessions for filling stations. It numbers today among the ten largest oil companies world-wide and, with some 140,000 employees, earns almost 40 per cent of the entire Mexican national budget.

As the available oil reserves have significantly declined since the mid-1980's, the plan is to open up new oil fields through deep-sea drilling. Linde build the four largest air separators in the world in Cantarell on the Gulf of Mexico. They went into operation in 2000 and supply nitrogen for the exploitation of the PEMEX oil fields. In 2006 the complex was enlarged through the addition of a fifth train.