

Third Laureate Research & Development

Project Title: Replacement of propene with propane in refrigerant cycle of Ethan recovery plant of Pars Petrochemical Company in Assaluye.

Executive Organization: Pars Petrochemical Company

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Abstract:

Using of propene in refrigerant cycle of CO_2 recovery plant of Pars Petrochemical Company which located South Pars of energy zone (Assaluye) had many problems.

Safety: Environmental & economical” aspects are most important issues.

Propene imposed the company expenses and also threated the plant in safety (to keep it in storage which located in site) and environmental.

Propane has been added to the refrigerant cycle smoothly and softly and during period all the vital operational and mechanical parameters were under supervision and controlled after completion of the project till now more than 13month every conditions are normal.

This magnificent economical; safety and environmental project has been concluded by Pars petrochemicals experts without any foreign and domestic partnership.



Refrigerant cycle vapor recover's position to boil-off gas compressor's suction of propane's storage in order to recovery of propane's vapor to control pressure of refrigerant cycle.

