

## Technology Selection for Floating Production Storage and Offloading(FPSO)

칸 모드 샐리크, 이문용\*  
영남대학교  
(mynlee@yu.ac.kr\*)

Natural gas presently accounts for about quarter of total primary energy consumptions of the world and forecast indicating that it would be doubled by 2010 from present consumptions. The contributing factor for this growth are the cleaner feedstock than coal and oil beside being environmentally friendly fuel also the long term pricing and contracts persuade the producer for the export deals.

In this scenario the growing LNG demand cannot be met by existing conventional and domestic sources so the time has advocate to monetize the Natural gas reserves that are still being unexplored and the Floating Production Storage and Offloading provide the opportunity for monetizing those LNG reserves.

This paper compares some of existing technologies available for the LNG liquefaction on the same scale by utilizing the steady-state simulation and the leading candidate for the offshore compact LNG production is proposed.