

Simulation for comparing Steam Reforming and Steam CO₂ Reforming in GTL-FPSO process

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Recently, gas to liquids(GTL) - floating production storage and offloading(FPSO) process has received much attention because of the possibility of application for natural gas in stranded gas fields or associated gas in oil fields.

For application in GTL-FPSO process the simulation steam of reforming(SR) and steam CO₂ reforming(SCR) of methanol were investigated using commercial simulation package. The results on the simulation were compared with experimental results in SR and SCR respectively. The results suggest that SCR of methane in a more desirable process than SR for the compact GTL-FPSO process.