

A Study of Plant Layout for the FPSO Liquefaction Process

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The plant layout is a important problem during the engineering stage since it requires a experienced decision by engineerinrs and it directly affects construction and operating costs. Especially reduced plot area is more important in LNG FPSOs since off-shore facilities have a greater sensitivity on the cost than on-shore plants. As a result, the optimization of FPSO plant layout is critical for FPSOs.

In this work, a MILP model is presented for FPSO plant layout problem and two case studies are presented.