

Optimization of BOG Handling Method in LNG Terminal

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Generation of Boil-off gas (BOG) in liquefied natural gas (LNG) receiving terminal affects considerably operating energy costs and safety issue. For that reason, the BOG handling method is determinant for design of LNG receiving terminal. This study proposes the concept of new design for BOG handling and calculates the design variables using sensitivity analysis for minimum send-out case. This design provides 21.9% energy saving and 0.197y payback period.