Research on the Correlation of the Info Activities with the Safety Behavior on the Offshore Platform

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Abstract

Starting with the introduction of the some current deteriorating offshore safety status along with its destructive influence, this paper discussed the relationship between Safety Performance and Safety Control among the CNOOC offshore platform with the Soft Systems Methodology and brings forward a suggestion that effective control is the object of research on correlation between info activities and Safety Control.

As an empirical case study, the quantitative relationship between the information body and system capacity in the Offshore Oil Platform is studied with the tool of ADL econometric model. The 8 Series annual data on an Oil Platform was analyzed in this paper, and the Canonical Correlation between the Info activities with the Behavior was been found. Furthermore the precisely quantitative relationship between the Info activities and the Behavior on the Oil Platform is explained by means of ADL econometric model. The analysis result tells the co-effective behavior of both Info activities and the Behavior. By the analysis, the Follow-up performance at prompting the Info activities and the Behavior are set.

The result of the analysis discovers an interactive behavior and long-term relation, through which the author would like to promote a deeper and more extensive research on the industrial safety management.

Key Words: Soft Systems Methodology, Safety Control, Canonical Correlation