Improving Situational Awareness through the Design of Offshore Installations

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ABSTRACT

Maintaining the situational awareness of operators on offshore installations contributes to the timely diagnosis of conditions and making appropriate decisions. This is particularly important when dealing events and incidents. The design of the installation itself and the control suite is a component in promoting situational awareness. This paper reports on the design considerations made in recent offshore design projects in order to promote operators’ situational awareness in particular with regards to the control room environment. The impact of remote assisted operations is also considered within this review.