HSSE Facility Inspection System

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ABSTRACT

Periodic inspections in operation facilities like safety procedures, equipment, and emergency measures is a must in keeping safe operation environment. These inspections make sure operations are up to code and functioning well. Companies perform inspections in a variety of ways. Some places send HSE Engineers to do a walk-through of the facility and look for problems. Others have sit-down meetings to discuss observed hazards in the facilities. Meanwhile, Kuwait Oil Company (KOC) employ checklists so inspections involve specific items and are recorded for future reference. These checklists can provide a simple way to make inspections concrete and in many cases can improve operations and safety. In general, checklists can prevent vague inspections. They provide step-by-step methods for analyzing equipment, workspaces and tasks. While paper checklists are common, it come to be hard to keep track and reference inspections and manage valuable information. In this presentation, an automation system of achieving HSSE facility inspection is described. The system was build base on existing HSE periodic inspections' checklists and manual documentation for each facility. It has a user friendly interface to navigate between different inspections and store and archive them in a centralized database through a secure access which are available for PC and smart mobile device. This automation allowed engineers to quickly input data and navigate throw facility manual using a tablet, laptop or smartphone. Inspection information become easily accessible for reporting and analysis in the future.