Fitting Safety into Project Engineering

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ABSTRACT

Significance of safety engineering during various stages of a project will be discussed in detail. Importance of a dedicated loss prevention (or safety) engineer in a project group and his/her functions, layout of engineering workscopes, elements of safety engineering during front end design and detailed design phases, implementing safety during construction and commissioning are some of the major topics that will be discussed in the paper. Various hazard identification techniques applicable during the early stages of design, requirements of Safety Integrity Levels, application of codes & standards and engineering audits will be analyzed with case studies.