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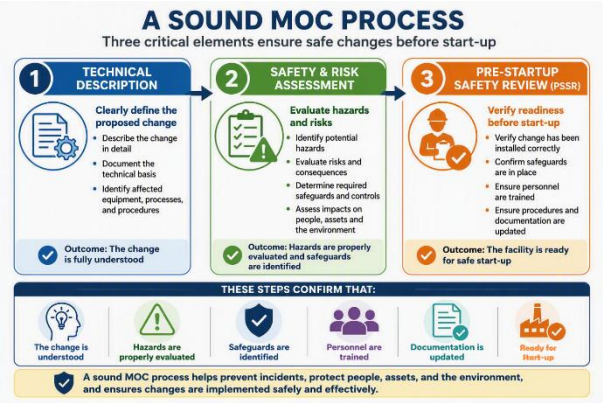
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Technical and Process Safety Sharing

Management of Change (MOC)

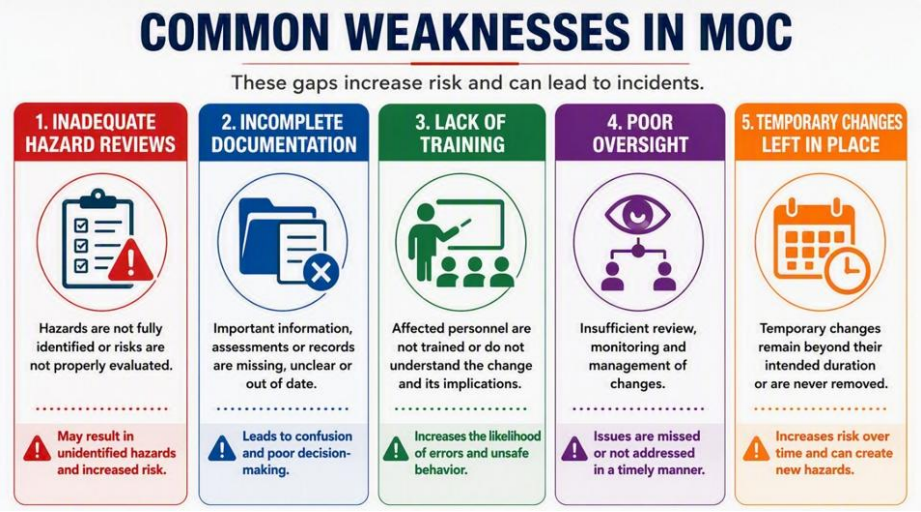
What is Management of Change (MOC)?

Management of Change (MOC) is a structured process safety practice used to ensure that changes to equipment, technology, procedures, organisation, staffing, software, or operations are assessed and controlled before implementation. Poorly managed changes have been identified as a root cause of major industrial accidents, including the Flixborough disaster. The primary objective of MOC is to eliminate or manage new hazards introduced and the risk associated with existing hazards.



MOC is integral to PSMS

An effective MOC system is integrated with the broader Process Safety Management System (PSMS). It relies on accurate process safety information, engineering documentation, operating procedures, maintenance systems, permit-to-work controls, and training programmes. Any approved change must be reflected in these supporting systems to ensure continued safe operation.



To maintain effectiveness, organisations should establish clear responsibilities, track leading and lagging indicators, conduct regular reviews, and continuously improve the system through audits and performance monitoring.

References:

1. https://ccps.aiche.org/introduction-management-change
2. https://www.icheme.org/knowledge-networks/loss-prevention-bulletin/free-downloads/articles/