



PROCESS SAFETY COMPETENCY MAPPING OF FRONT-LINER IN PT. IPC TO ENHANCE COMPETITIVE ADVANTAGE AS A WORLD CLASS COMPANY

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Abstract

Process Safety is a competitive advantage that CherCo is willing to invest. PT Indonesia Petroleum Company (PT IPC) as a subsidiary is facing challenging business situations. It is important to stay competitive by keeping operations safe and reliable. Based on observation and findings from Leadership Site Visit Validation & Verification (LSV V&V), its test score is under expectation. Frontliner has been chosen because they are the highest risk holders to perform day to day operations in facility. This research will observe front liner if they already had and implemented standard process safety competency in handling and/or supporting routine operations, and to measure the current actual level of process safety competency.

Competency mapping will be baseline to measure the current level of competency of process safety, and assess the readiness of our competency level as competitive advantage in CherCo world class company. By knowing the gaps, strategy to increase competency level of frontliners in facility can be developed. Literature review mapping is used to determine the model of process safety core elements which will be used as the basis elements in developing a questionnaire to map competency level. This research refers to models from Center for Chemical Process Safety (CCPS) and IChemE Safety Center (ICS), compared with internal Process Safety focus elements in OEMS. The intersection of these literature review mapping process is resulting 9 Process Safety Core Elements, which next is translated into questionnaire statements based on Knowledge – Skills – Attitude (KSA) competency characteristic.

Based on the assessment, it can be concluded that Operations already had very good to excellent competency levels in some PS elements, however, some room of improvement exists on several area of PS elements to improve the competency level of frontliners.

Keywords: Process safety, competency mapping, frontliner, operator, awareness, competitive Advantage.
