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Lean Six Sigma Improves Production & Reduce Cost

Sadono Tirta

ITB - Bandung Institute Technology, Indonesia

Oil & Gas Company have been facing uncertainty on its price commodity due to several key aspects. Most of key aspects are not predictable. Besides new area development with focusing on low-cost strategy, the remaining fact is the efficiency & effectiveness. This factor shall become the main theme to sustain and for growth. Typical O&G Company has developed/used certain tools / methodologies for ensuring the establishment and maintaining sustainability. The typical tools are mainly Reliability tools that apply for operations in general. However, the dedicated Quality tools are not used or adopted widely. Very few O&G users, from management and employee typically are skeptical on the Quality tools utilization in Oil & Gas business on the applicability, the benefit to the business and the overall add-value.

The latest adoption is Lean Six Sigma which a merged methodology from Lean Production and Six Sigma. This methodology which is adopted from manufacturing and automobile industry, then followed for other industries / sectors as well as the Oil & Gas. Its need dedicated involvements from all organization layers for ensuring ownership and becoming one of tools in daily business. Lean Six Sigma implementation for all business aspects: production, maintenance, reliability, drilling & completion, petroleum engineering, logistic, human resources etc. It's works in the primary, secondary & tertiary recovery. One of super major Oil & Gas company, where the author had been adopting this methodology, has implemented Lean Six Sigma which has created add-value on production increase, cost reduction and cost avoidance with total value more than US \$22 Billion. This methodology has shifted the mindset and ensuring competitiveness in the unpredictable world to come.

Biography

Sadono Tirta is an Independent Consultant. His Current projects are LSS deployment revitalization, Chemical EOR. He worked in Chevron (25 years), Baker Hughes (2 years). He is a Former Lean Six Sigma Deployment Leader for Chevron Indo Asia. He had an Experience in Project Management, Production Operations, Reliability & Maintenance, Safety, Operations Engineering, Continual Improvement, Operation Readiness & Assurance, Project Interface Management, Environmental Remediation, Land management, Primary, Secondary and Tertiary recovery. He also led various task-force of business improvement in Supply Chain Management, Security, Transportation (land, air, sea), Land Management, Government Relations, Human Resources, Building & Real estate sectors. He has done his Mastering Continual Improvement using Lean Six Sigma, Master Black Belt.