Application of Six Sigma in Manufacturing of Power Plant Projects

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Abstract

Six sigma has shown huge growth in the world over the last few years. Tremendous researches have been performed on conducting the subsequent fine-tuning of six sigma methodology. This paper discusses the impact of six sigma on management of power plant projects because, continuous improvement strategy and process that includes cultural and statistical methodologies is main tool of six sigma. Six sigma disciplines seek to reduce failures, prevent defects, control over the costs and schedules, and manage risks. This study identify the project failure factors then provides a structured data-driven methodology with tools and techniques of six sigma that power plant companies can use to measure their performance before and after of applying Six Sigma.

Keywords
Six sigma, project management, power plant, continuous improvement