

Path Exploration and Practice of Design Management in EPC Renovation Projects: Postprint

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Date: 2025-08-04T18:11:20+00:00

Abstract

Design management in EPC renovation projects serves not only as the upfront driver for project initiation, but also permeates throughout the entire project lifecycle. This paper synthesizes design management strategies for EPC renovation projects by drawing upon actual engineering cases. Through comprehensive consideration of various dimensions including organizational management, technical application, process control, and quota design, it explores the application value of efficient collaboration between the design process and construction phase, thereby providing a reference for the future practice and development of project management in construction enterprises.

Full Text

Preamble

Analysis and Practice of the Design Management Path for EPC Renovation Projects

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Abstract

Design management in EPC renovation projects functions not merely as an initial catalyst for project launch, but as an integral component that permeates the entire project lifecycle. Through an analysis of actual engineering cases, this paper distills and synthesizes effective design management strategies for EPC renovation projects. By adopting a comprehensive perspective that encompasses organizational management, technical application, process control,

and quota design, this study investigates the practical value of design management in fostering efficient synergy between the design process and construction phase. The insights gained offer a valuable reference for construction enterprises seeking to enhance their project management practices and future development.

Keywords: optimization management; project renovation; dynamic adjustment; design dimension

Note: Figure translations are in progress. See original paper for figures.

Source: ChinaXiv — Machine translation. Verify with original.