







# Optimization in men & material cost using AWP technology

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## Abstract

The Management tool AWP which optimize the project performance through application of structured planning process. This is expected to create a sample for the construction and execution that reduce the risk and deliver predictable results. By using case study methodology problems which influence the improper coordination between project team and construction people were found out and rework can be prevented through more proactive relative position between engineering and construction planning. These techniques can only been found in optimal global solution and research focus on planner decision making, there on site progress and cost management in projects.

## Introduction

Advanced work packaging is a useful method for increasing project efficiency and predictability. It also completes the operation preparation and execution during the project lifecycle, from project setup to start-up and turnover. According to industry analysis, poor quality execution output in the industrial project sector resulted in

approximately 70% of projects being over budget and on time, and 10% of projects being over budget and on time. AWP promotes design by assisting in fundamental methods to identify layout of the recommended execution model in three dimensions. The tedious break down of the expansive scopes which were work done into the littler and small chunks and work bundles [1]. Throughout every possible way to the viable combination of the scoping, advancement and conveyance of those work bundles, the ultimate client at each arrange of which ever the extend esteem chainwas upheld to accomplishes, maintainable arrangement over the each venture stockholders and which in turning office to move forward venture execution. Bad output is inextricably linked to the planning process's lack of reliability, as well as the inability to provide accurate estimates to handle the growing scale of industrial projects. Work packaging, which divides the scope of work into manipulated units for execution, is the most common project planning concept [2]. The peculiar tack care and the lack of updated standards for the existing work packaging theory which was motivated a four year research project by the industry of construction together with the construction owner association of Alberta to aim toward defining and also recollecting the present work packaging best practices within the industrial construction sector [3] (see Fig. 1, Fig. 2, Fig. 3, Fig. 4, Fig. 5, Fig. 6, Fig. 7, Fig. 8, Fig. 9).

This research's efforts culminated in structured planning that emphasizes the application of job packaging principles Enamors development inside the mechanical development circle emulate the process and advance prove is required to illustrate the useful impacts and collaborate the rationales fundamental this useful affect [4]. The objective of current investigate is to investigate its accomplishing this objective for the analysts will begin tending to two primary challenges which were of current work bundling and the writing is approximately conceptual and another is methodological.

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### Research method

A major challenge in using a case study to discuss research is restricting the research's

focus to early integration between project contributors. As a result, conventional concepts place the greatest focus on schedule specification and field integration among project contributors. As a result, the principles place the bulk of their attention on the predetermined meanings. So that the concepts plays most of the emphases on the scheduled definitions and the field implementation activities and

## Conclusion

This type of advanced scheduling techniques on work packaging used to split packages into a smaller and easy segments like yearly, monthly, weekly and daily which simulates pre stage assessments for the work packages that allow resources to limited wastage.

Within the way of work bundles both the asset accessibility and utilization levels can vary accordingly. In a one of a kind conjointly a challenging situation and the work packages can be performed and entire team isn't required all the time

## Declaration of Competing Interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

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