Lean Construction Systems & Tools
In Improving Operational Performance

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Abstract

Construction contractors are continually searching for ways of eliminating waste and increasing profit with the continuous decline in profit margins and increased competition in construction projects. Although numerous approaches have been developed to improve efficiency and effectiveness of construction processes, lean construction techniques offer the promise to minimize, if not completely eliminate, non value-adding work.

Lean Construction is a philosophy based on the concepts of Lean Manufacturing. It is about managing and improving the construction process by eliminating waste and increasing profit to deliver what the customer needs.

Although construction organization have integrate some form of Lean System in day to day operation at macro level however knowledge is not fully conceptualize with Lean Construction still in the early stage of development.

This research was carry out to study the lean manufacturing principles and tools so that Lean Construction Systems and Tools are develop for better implementation in the near future in the local construction industry to improve operational performance in term of Time, Cost and Quality.
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