

Short Term Lean Work Package Planning

A key activity in any construction project is planning, but not just planning the whole project from start to handover but planning the activities on a daily basis and for the short term delivery for the next one, two, six week look ahead, getting into the details of each work packages and linked activities in a closed area. Sometimes known as Lean construction monitoring and tracking tasks on site against delivery milestones will always be a key factor to a successfully delivered project handed over on time.

Traditionally managed with white boards and post-it notes, this managed activity is the only way to highlight potential risks of delay and knock on effects for underperforming trades. This in itself is a completely manual task and is open to mis-aligned information.

A digital planning process can change the way we report, monitor and closeout tasks at a more granular level than with the main construction Gantt chart typically focused on the critical path activities.

The project Construction Gantt chart can be utilised as the foundation to generate the bones of the tasks to keep activities on target, then by adding sub tasks we can then get to the real day-to-day activities that can be monitored.



Site engineers, work package managers and site managers can log progress against sub-tasks to synchronise activities and report and track progress. Progress can be entered utilising mobile media devices out in the field and then reported back on the dashboards back in the project site office or main office by the management team.

The dashboard gives clarity on the project PPC to help de-risk time concerns and monitor that the correct labour count is being deployed to deliver the task in hand.

Planning via a lean process will also present benefits but now we have the tools to enable this, with an easy to utilise interface and allowing data to be captured live out in the field. Starting with the Master Schedule as a guide, which presents the key look ahead plan for the weeks ahead, allowing weekly work plans and daily check-in progress reporting.



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Features and Benefits of Digital Short-Term Planning

- Greater collaborative in short-term planning activities
- Instant updates to the shared plan
- Mobile tracking of commitments
- Built-in real-time performance metrics
- Protect project profits with higher labour productivity
- Build a culture of accountability and buy-in to the plan
- Reinforce Lean Construction practices
- Measure performance and drive continuous improvement