Oracle Lean Scheduling Solution

Complete Coordination and Command:
Uniting Lean and CPM for Exceptional Project Outcomes

Oracle Lean Scheduling Solution is the first and only offering that unites Lean and Critical Path Method (CPM) approaches to achieve exceptional project and business outcomes. The cloud-based, mobile-enabled solution automates and simplifies Lean to optimize its impact — facilitating the precise coordination, commitment, and community required for success. It also harnesses the power of Oracle's powerful scheduling technology to deliver the enterprise-level visibility and control essential for CPM. The bottom line: complete coordination and command for more successful and profitable projects.

Stronger Together: Lean and CPM

Stakeholders in the construction and engineering ecosystem grapple with unprecedented requirements — ranging from demands for faster builds and higher penalties for missed deadlines to a growing shortage of skilled trade resources, which drives up costs, erodes margins, and slows progress to a crawl.

Firms are increasingly looking to Lean Construction to help them more consistently deliver projects on time and on budget. Tools have been scarce and typically automate or support only portions of the Lean methodology. As important, they do not connect to the broader enterprise — reinforcing the division between the two fundamental construction project management approaches: Critical Path Method (CPM) and Lean Construction.

Oracle Lean Scheduling Solution addresses both of these challenges with a single, complete cloud-based offering. It digitizes and simplifies Lean to optimize its impact. As important, it provides an environment in which Lean and CPM can coexist, complement each other, and deliver compounded benefits.

Integrated Lean and CPM Scheduling

Oracle Lean Scheduling Solution is an integrated platform for CPM and Lean that empowers stakeholders to resolve lingering coordination, commitment, and community challenges and harness the combined power of Lean Construction and CPM.

With the solution, construction and engineering enterprises can:

- Reduce the need for larger, complex master schedules that were never intended to micro-manage the level of detail required for field execution teams
- Place the right coordination tool in the hands of the right stakeholder to eliminate costly re-work, improve accountability, and reduce risk
- Drive performance down to the job site based on commitments of field disciplines

ORACLE®
Construction
and Engineering

> *"This is a very exciting solution to model scenarios where we want the very detailed planning we get from Last Planner but also want to be able to see the overall critical path."*
>
> **WALTER TERRY**
> *VICE PRESIDENT, PROJECT PLANNING, SKANSKA USA BUILDING INC.*

FOUNDATION FOR LEAN SUCCESS

- **Coordination:** Precise alignment between trades and tasks to be completed, as well as the materials and resources required
- **Commitment:** Establishing realistic task deadlines and meeting those commitments consistently
- **Community:** Cooperation, collaboration, and communication between and among stakeholders in front office, back office and job site

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- Align stakeholder incentives with shared knowledge and common goals to drive community engagement and successful business outcomes
- Allow the field to work the way they want while providing the enterprise visibility that the home office requires

An Integrated Platform for Complete Coordination and Command

To effectively blend Lean and CPM methodologies and realize the benefits of both, Oracle Lean Scheduling Solution provides a single, unified platform for engineering and construction projects, programs, and enterprises. It automates processes and integrates project data from the back office, front office, and field to enable complete coordination and command of even the most complex construction projects.

The solution unites scope, cost, and scheduling in a single platform, enabling unprecedented visibility from the sub-task level through the enterprise view.

Define Phases with Work Breakdown Structure → Define Activities, Durations, Relationships → LastPlanners® Break Down Activities into Smaller Tasks → LastPlanners Commit to Due Dates, Complete Tasks → Monitor Performance

The solution delivers an integrated environment to effectively:

- » **Define Work Breakdown Structure (WBS):** Easy-to-use templates enable users to create a big-picture schedule by organizing projects into manageable phases using WBS
- » **Map activities, durations, and relationships:** Users map logical relationships between activities in the CPM network to determine critical path and project completion date. The solution automates activity sequencing and relationships and connects activities between WBS elements to reflect transitions between phases
- » **Create activity plans:** The digital planning board—purpose built to support Lean Construction—enables Last Planners® to break down activities into smaller tasks, collaboratively plan due dates, and commit to them as planned
- » **Make commitments:** The planning board provides an automated environment for committing to due dates, tagging completed tasks, and recommitting to those not completed. It encompasses planned, committed, completed, and overdue tasks, as well as reference activities
- » **Monitor Performance:** Intuitive analytics enable users to monitor Planned Percent Complete (PPC) and assign reasons for missed commitments per Lean Construction Institute best practices. Task alerts also notify the CPM network in real-time of incompatible dates or status. This capability informs the WBS update process and improves collaboration and control throughout the project

KEY BUSINESS BENEFITS

- Unites Lean and CPM approaches to achieve exceptional project and business outcomes
- Automates and simplifies Lean to optimize its impact
- Delivers the enterprise-level visibility and control essential for CPM
- Enables complete coordination and project command for more successful and profitable projects
- Allows the field to work the way they want while providing enterprise visibility for the home office

KEY FEATURES

- Visibility from sub-task through enterprise view—no other tool does this
- Scope, cost, and schedule solutions integrated under a single platform
- P6 and task management fully integrated
- Extreme scale—one project or entire portfolio
- Personalization that avoids information overload
- Ability to update project status online or offline via iPad and iPhone apps
- Adaptable task sequences focus on short interval timelines that inform the master schedule for a complete view of performance
- Complete cloud-based solution backed by the power of Oracle
- Easy-to-use interface and simple deployment

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On the Go and In the Cloud

Today's construction professionals demand access to information when and where they need it—on the job site or across the globe. Oracle Lean Scheduling Solution enables users to access and update project status online or offline via iPad and iPhone applications.

In addition, extreme personalization capabilities boost productivity by enabling professionals to focus on the information most important to them and avoid information overload.

As an Oracle Cloud offering, the solution enables a low cost of entry—eliminating the need to purchase additional hardware—and assures a lower management burden moving forward. It delivers high reliability, rapid access to the latest versions and updates, and ultimate scalability. Further, an easy-to-use interface and simplified deployment save time and money, and jump start adoption.

It's time to bridge the divide between Lean Construction and CPM. The key is digitizing and simplifying Lean to optimize its impact while providing a unified platform where Lean and CPM can coexist, thrive, complement each other, and deliver compounded benefits. Oracle Lean Scheduling Solution provides the path forward.

Learn more

To learn more about the Oracle Lean Scheduling Solution, visit https://www.oracle.com/applications/primavera/solutions/lean-scheduling/index.html.

RELATED PRODUCTS

- Oracle Prime
- Oracle's Primavera P6 Enterprise Project Portfolio Management

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FOR MORE INFORMATION
Contact: 1-800-423-0245 (US)
 +44-0-870-8-768711 (UK)

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