ORACLE
Construction
and Engineering

Oracle Primavera Cloud for Delivery Teams

Synchronize project delivery with Oracle Primavera Cloud. Coordinate office and field teams in one integrated schedule. Easily optimize resources and predict and mitigate risks across your projects. Rely on the leader in planning and scheduling to help you deliver extraordinary results every time – from the smallest projects to the largest.

The Challenges of Project Delivery

Engineering and construction projects are plagued by systemic coordination and communication challenges - and delivery teams get hit especially hard. Well delivered projects require a commitment to sound planning and scheduling practices and are the result of driving multiple organizations together with clear standardized processes that ensure the right resources are placed on the right work assignments at the right time.

A lack of standardized planning and scheduling processes leads to poor coordination across project teams, inaccurate field progress tracking, and ineffective risk management. Moreover, without standardized data, performance cannot be compared across projects and delivery teams cannot benefit from the predictive intel they need to identify problems early, while there is still time to avoid them.

These factors all contribute to deteriorating profitability, increased risk exposures, and operational deficiencies that impact how delivery organizations pursue, build, and deliver projects.

The Solution: Oracle Primavera Cloud

Oracle Primavera Cloud is a fully integrated planning, scheduling, resource, and risk management solution that synchronizes project delivery to help support consistent and repeatable profitability across all projects - regardless of size or complexity.

United office and field teams share one execution plan with the only planning and scheduling solution that integrates critical path method (CPM) scheduling with field task management. Coordinate and optimize labour, equipment, and material resources both within and across all projects. Easily centralize schedule and risk management processes to empower teams to adapt and configure to individual project requirements.

Oracle Primavera Cloud is a comprehensive solution for all project teams, with an unmatched ability to support a full spectrum of users and capabilities, from the scheduling novice to the earned value management (EVM) expert. Oracle Primavera Cloud is the tool you need to plan efficiently, build intelligently, and deliver profitably. Delivering unparalleled capability, the solution has a 30+ year track record of service to delivery teams everywhere.

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Planning, Scheduling, and Resource Management

Planning, scheduling, and resource management is the heartbeat of a project. A well-developed and collaboratively built schedule coordinates both office and field teams into fully synchronized execution plans. Maintain the vital connection between the contractual critical path method (CPM) schedule and the fields task management production detail. Easily access digitized planning and execution boards that unite teams around milestones, deliverables, and productivity into one shared execution plan.

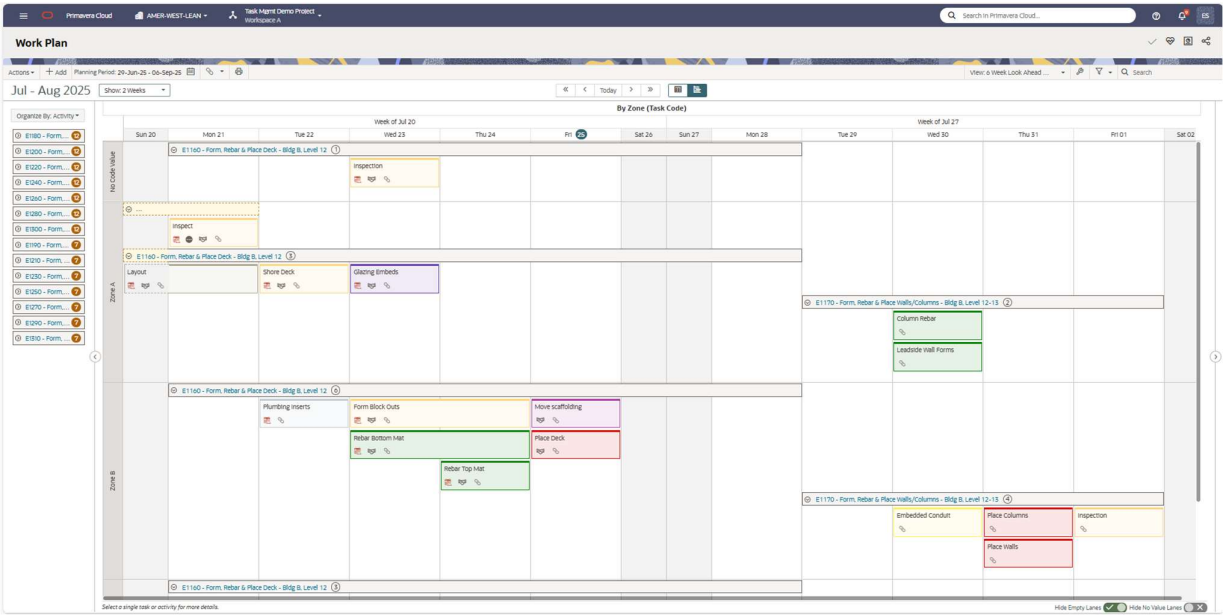

Figure 1. Digital planning and execution boards to coordinate the Contract Schedule with the field teams Task Schedule of field production.

Easily manage labour, equipment, and material resources within and across all projects and programs with Oracle Primavera Cloud. The solution provides a centralized resource and roles pool, making it easy to plan and optimize around resource scarcities or bottlenecks using worksheets, histograms, or profiles.

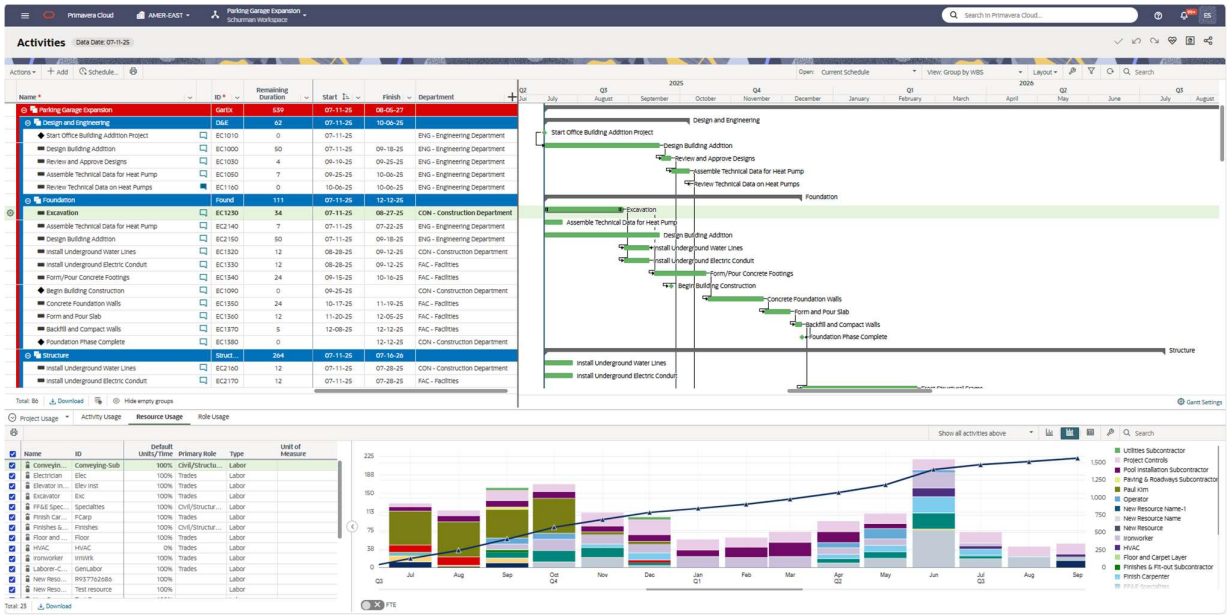

Figure 2. Easily understand and avoid resource bottlenecks within and across projects.

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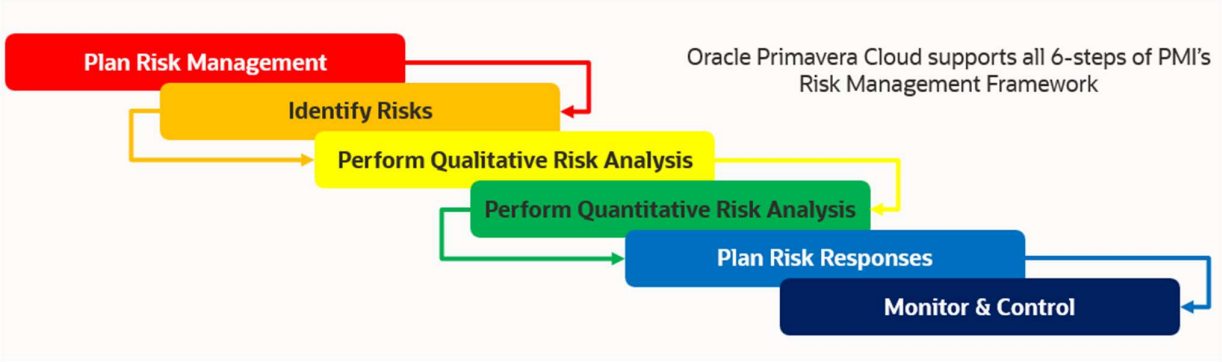
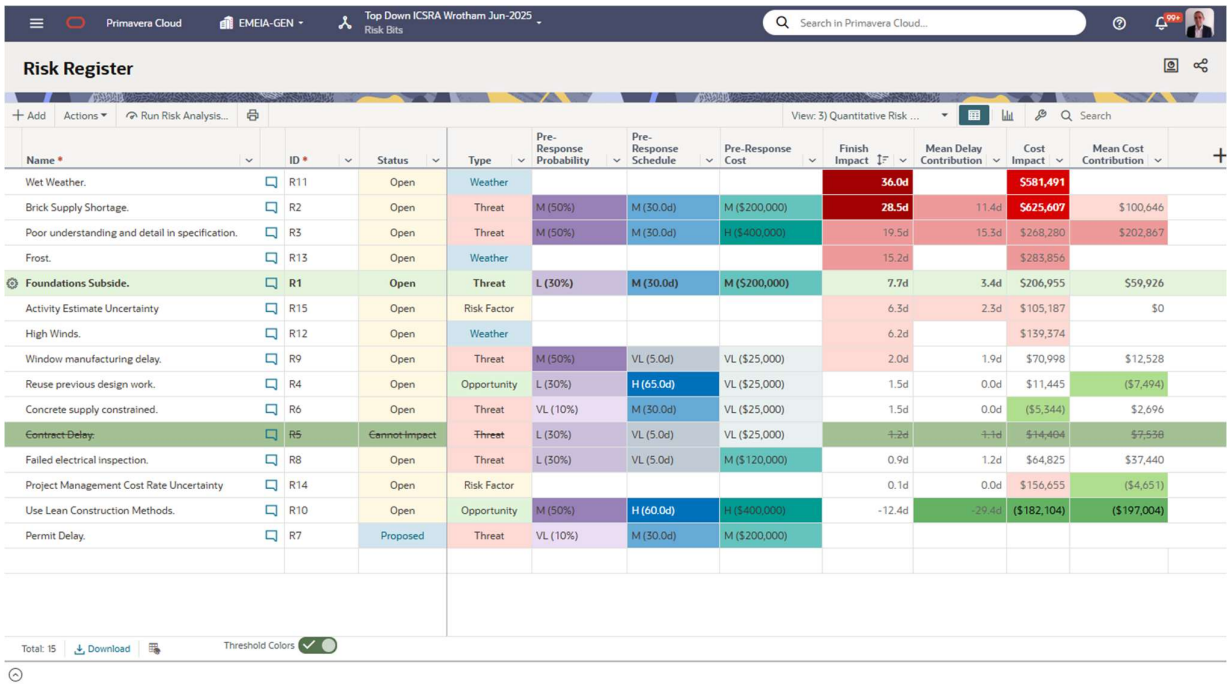
Oracle Primavera Cloud makes it easy to handle projects or programs of any size or complexity. Cover the basics of contract planning and scheduling then structurally connect contract activities with the task management details of field team production. A centralized hub for all projects, Oracle Primavera Cloud satisfies the needs of small projects with room-to-grow capabilities for contracts that require advanced resource, cost, risk or earned value management controls.

Risk Management

Along with core planning and scheduling capabilities, Oracle Primavera Cloud provides a centralized risk register for all users. Accessible from anywhere, this register enables early identification of opportunities and threats and democratizes risk so all parties can easily contribute. A complete risk management solution that aligns with the Project Management Institutes (PMI) 6-step Risk Management Framework. Pre-configured risk management dashboards identify exposures, categorize them for impact assessment and analysis, and enable swift resolution with targeted mitigation plans.





Name *	ID *	Status	Type	Pre-Response Probability	Pre-Response Schedule	Pre-Response Cost	Finish Impact	Mean Delay Contribution	Cost Impact	Mean Cost Contribution
Wet Weather.	R11	Open	Weather				36.0d		$581,491	
Brick Supply Shortage.	R2	Open	Threat	M (50%)	M (30.0d)	M ($200,000)	28.5d	11.4d	$625,607	$100,646
Poor understanding and detail in specification.	R3	Open	Threat	M (50%)	M (30.0d)	H ($400,000)	19.5d	15.3d	$268,280	$202,867
Frost.	R13	Open	Weather				15.2d		$283,856	
Foundations Subside.	R1	Open	Threat	L (30%)	M (30.0d)	M ($200,000)	7.7d	3.4d	$206,955	$59,926
Activity Estimate Uncertainty	R15	Open	Risk Factor				6.3d	2.3d	$105,187	$0
High Winds.	R12	Open	Weather				6.2d		$139,374	
Window manufacturing delay.	R9	Open	Threat	M (50%)	VL (5.0d)	VL ($25,000)	2.0d	1.9d	$70,998	$12,528
Reuse previous design work.	R4	Open	Opportunity	L (30%)	H (65.0d)	VL ($25,000)	1.5d	0.0d	$11,445	($7,494)
Concrete supply constrained.	R6	Open	Threat	VL (10%)	M (30.0d)	VL ($25,000)	1.5d	0.0d	($5,344)	$2,696
~~Contract Delay.~~	~~R5~~	~~Cannot Impact~~	~~Threat~~	L (30%)	VL (5.0d)	VL ($25,000)	~~1.2d~~	~~1.1d~~	~~$14,404~~	~~$7,538~~
Failed electrical inspection.	R8	Open	Threat	L (30%)	VL (5.0d)	M ($120,000)	0.9d	1.2d	$64,825	$37,440
Project Management Cost Rate Uncertainty	R14	Open	Risk Factor				0.1d	0.0d	$156,655	($4,651)
Use Lean Construction Methods.	R10	Open	Opportunity	M (50%)	H (60.0d)	H ($400,000)	-12.4d	-29.4d	($182,104)	($197,004)
Permit Delay.	R7	Proposed	Threat	VL (10%)	M (30.0d)	M ($200,000)				

Figure 3. A centralized risk register is available to all project or program participants for easy identification, assessment, status and analysis

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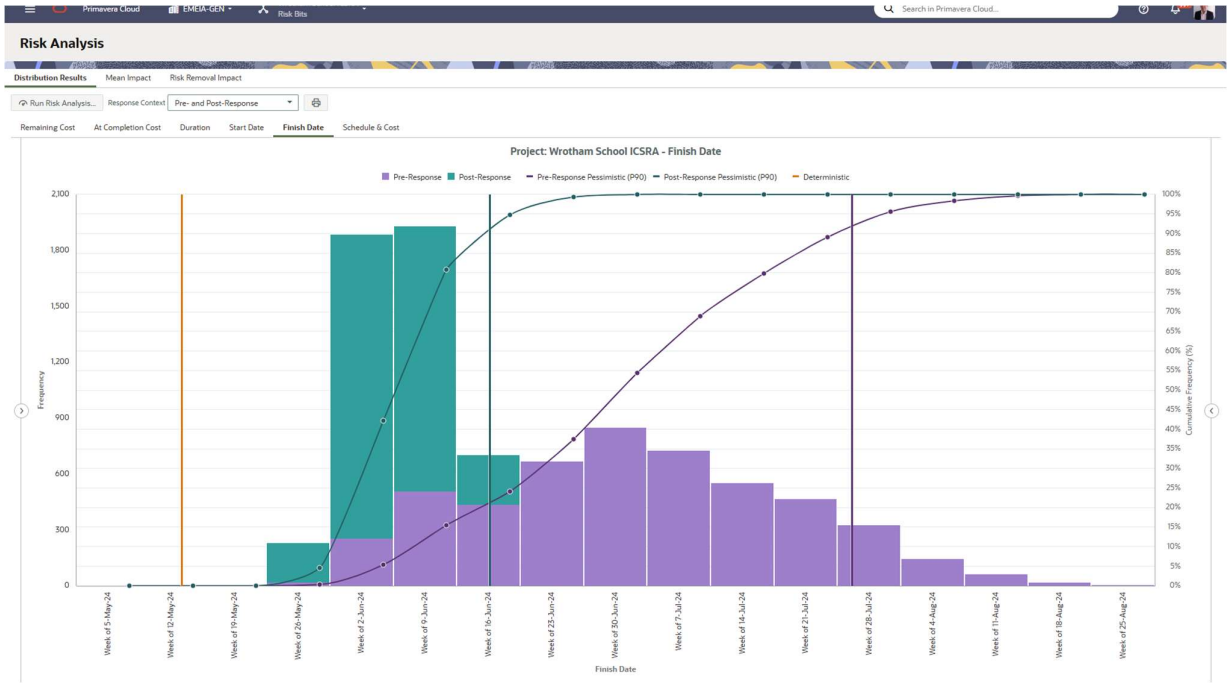

Figure 4. Risk analysis with pre and post response action distribution results of schedule and cost

Related Products: Put Your Data to Work with Oracle Construction & Engineering Intelligence

Leverage your current and historical data with Oracle Construction and Engineering Intelligence, our next generation AI/ML solution. to extend the value of Oracle Primavera Cloud. This solution is comprised of both Oracle Construction and Engineering Analytics and Oracle Construction and Engineering Advisor.

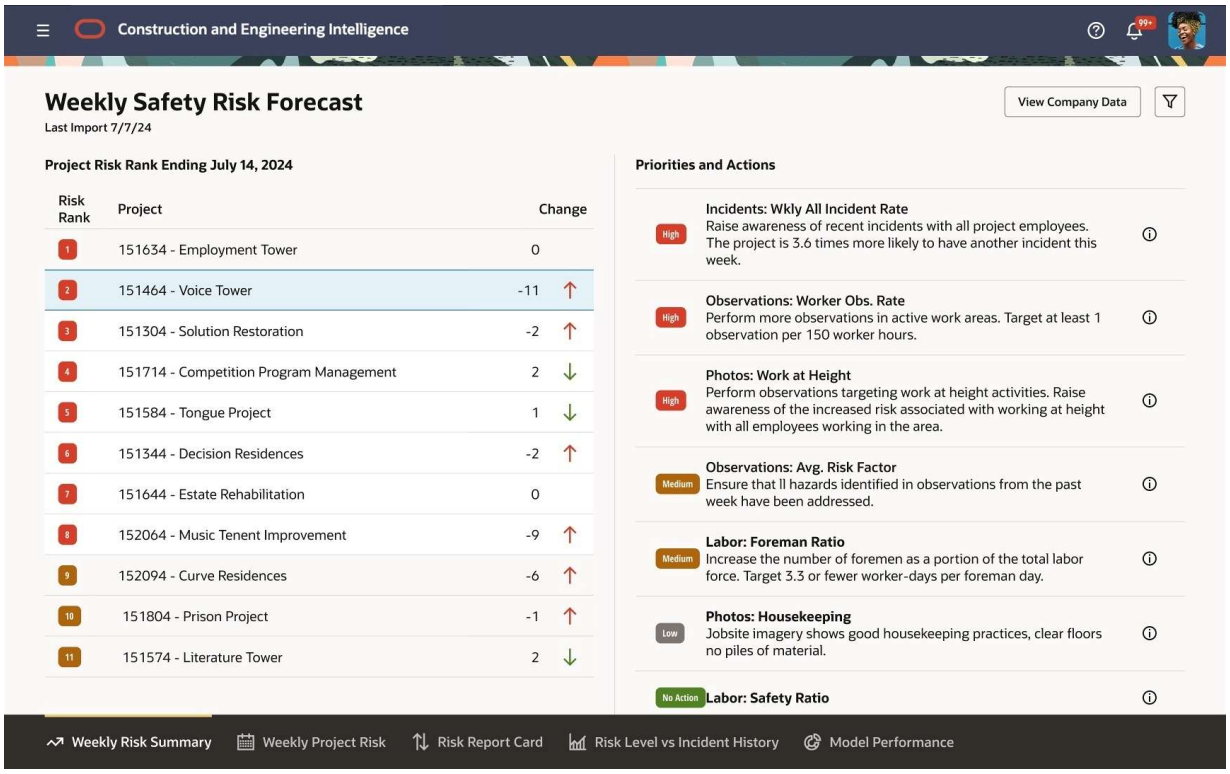

Figure 5. Put all your planning and execution data to work with Oracle Construction and Engineering Intelligence

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Key Capabilities

- ✓ Critical Path Method (CPM) Master Scheduling with Integrated Field Task Management
- ✓ Digital Planning and Scheduling Boards to Align Master Schedules with Field Production
- ✓ Always-On Schedule Health Check
- ✓ Industry Leading Baseline & Scenario Management
- ✓ Schedule Comparison Analysis and Reporting
- ✓ Mobile Progress Measurement
- ✓ Centralized Risk Register
- ✓ Risk Management Analysis & Reporting
- ✓ Project and Cross-Project Resource & Cost Management
- ✓ Earned Value Management (EVM)
- ✓ Engineered to Work with Oracle Primavera P6
- ✓ Extend Predictive AI/ML Insights & Reporting with Oracle Construction & Engineering Intelligence

Key Benefits

- ✓ Great for Any Size Project
- ✓ Centralize All Schedule, Resource and Risk Information
- ✓ Easily Unite & Align All Partners into Fully Coordinated Execution Plans
- ✓ Integrate Critical Path Method (CPM) Master Planning & Scheduling with Field Task Management Production
- ✓ Understand Resource Constraints & Demands Within & Across Projects
- ✓ Leverage Earned Value Management (EVM) Practices & Principles
- ✓ Manage All Schedules, Resources & Risks – Centralize Best Practices & Configure to Support Individual Project Requirements
- ✓ Unlock Predictive Intelligence to Highlight Risks Early & Course Correct Promptly

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Key Process Improvement Areas

- ✓ **One Planning & Scheduling Solution to Cover Mixed Contractual Requirements**
- ✓ **Planning & Scheduling Methods – Integrated CPM Master scheduling with Field Task Management production**
- ✓ **Progress Tracking – easy, accessible schedule access and updates to track performance**
- ✓ **Baseline & Scenario Management – schedule comparison and merge controls**
- ✓ **Risk Management – identification, assessment, analysis and mitigation controls**
- ✓ **Predictive Capabilities – Extend planning & scheduling with embedded Construction & Engineering Intelligence**

> "If you are looking for a cloud solution that has everything from all the Primavera legacy apps all rolled into one, I would say Oracle Primavera Cloud is the solution for you."

Jake Campbell
Senior Project Controls Manager

Genesis AEC

> "If you run Project Controls and are trying to figure out the timing of when to upgrade your planning and scheduling practice, you aren't doing yourself any favours by waiting. We couldn't have grown the company the way we have without Oracle Primavera Cloud."

Jason McKenna
Director Project Controls

BHI

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