ORACLE
Construction and
Engineering

Smart Construction Platform for Renewable Energy Projects

The Smart Construction Platform for renewable energy projects is an integrated SaaS offering from Oracle to help construction projects for renewable energy get up and running quickly. The offering comes with all critical capabilities needed to manage permitting and successfully execute and operate projects. Get started today to help meet goals for a greener tomorrow.

Renewable energy projects re-imagined

The offering manages project information, approval cycles, schedule, resources, and risk along with payment management in an easy-to-set-up SaaS solution. The Smart Construction Platform for renewable energy projects manages the entire project, ensuring a full project record to support ongoing operations. Capabilities supported include:

- Permitting
- Tenders
- Planning and resource management
- Integrated critical path method (CPM) and task scheduling
- Process management and collaboration
- Model coordination
- Contract management
- Mobile field engagement and jobsite processes
- Risk

With interoperability across products and one data repository for the entire project, the Smart Construction Platform for renewable energy projects eliminates costs and risks associated with each organisation maintaining its own system and data. Cross-organisational collaboration is improved across the project team and with regulatory entities. Automated and trackable approval flows help keep projects on schedule.

An integrated data set

Integration between Oracle Aconex and Oracle Primavera Cloud (OPC) connects project deliverables to the schedule, allowing project teams to seamlessly track and manage progress of work packages against the schedule. OPC schedule start and completion dates update the Aconex package detail, ensuring consistent and accurate alignment between the package deliverables and the project schedule. Project teams have better visibility into project status on an ongoing basis and can take timely action as necessary to keep projects on track. Improved visibility and input to the schedule help teams manage activities and ensure their schedules are aligned with the actual work taking place at the jobsite.

Key business benefits

- Optimised critical resources including labor, materials, and equipment

- Reduced vendor management and one point of responsibility with a complete solution set from one vendor

- Easy-to-implement cloud-based solution with quick time to value

- One data repository for the entire project to eliminate data silos and better inform decisions

- Integrated CPM and task management improves schedule accuracy for greater alignment between schedule and jobsite work/deliverables

- Single cross-organisation system for improved collaboration and more efficient review cycles
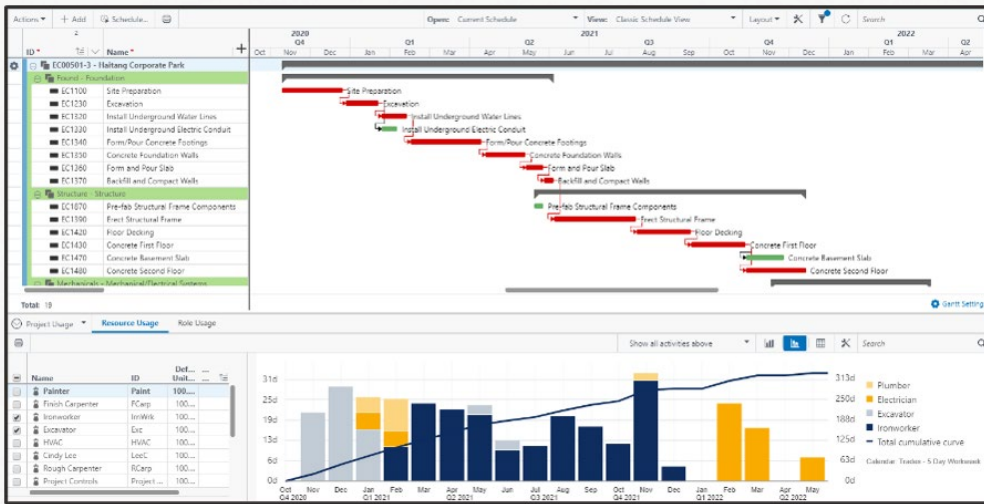
Oracle Primavera Cloud CPM schedule and resource usage graph

A complete project solution

Process and information management

Connect owners, contractors, and subcontractors around shared drawing and document reviews. Collaborate with engineers, consultants, vendors, and regulatory agencies in a secure, central system to speed up approval flows, improve visibility into materials and equipment status, and help ensure everyone is working from the same information.

Bring the entire project team together in a central system, with each organisation having its own secure workspace to manage cross-organisational processes and develop a full project record to support ongoing operations of renewable energy projects.

Maximise benefits from models by providing model access to the wider project team. All relevant project participants can easily share, visualise, coordinate, review, and contribute to models. One tangible benefit of these reviews is that early reviews and feedback have been shown to decrease owner-initiated change requests.
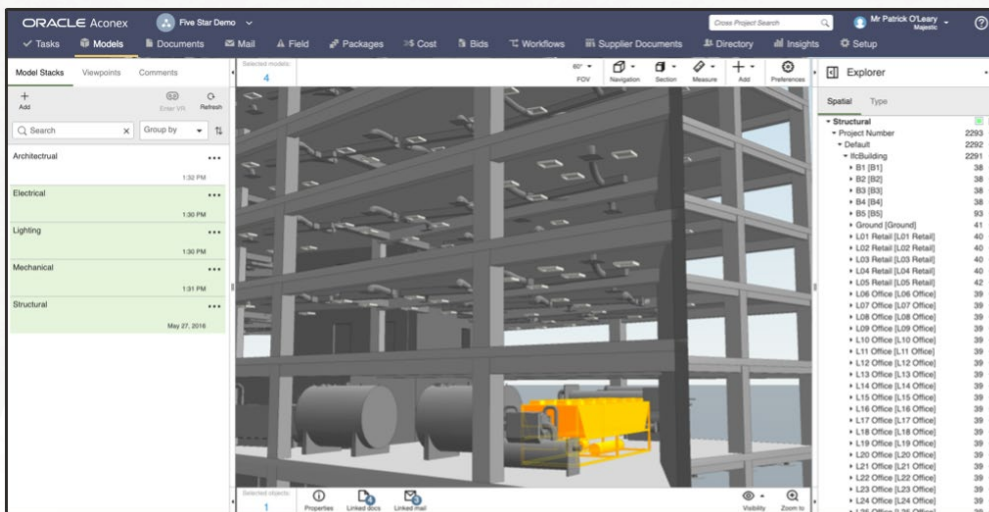
Oracle Aconex model coordination

Scheduling, resource, and risk management

Integrated CPM, task, and risk management lets project planners use field information to guide their plans and ensures field teams are working off the current schedule. Eliminate information lag that comes with separate CPM and task schedules. Decrease risk with a centralized cloud risk register tied to schedule activities. Confidently deliver renewable energy projects to planned budget and schedule using integrated data and predictive indicators.

Integrated project deliverables and scheduling provides up-to-date schedule information to project managers to track and manage against project deliverables, providing more accurate insight into progress against schedule.
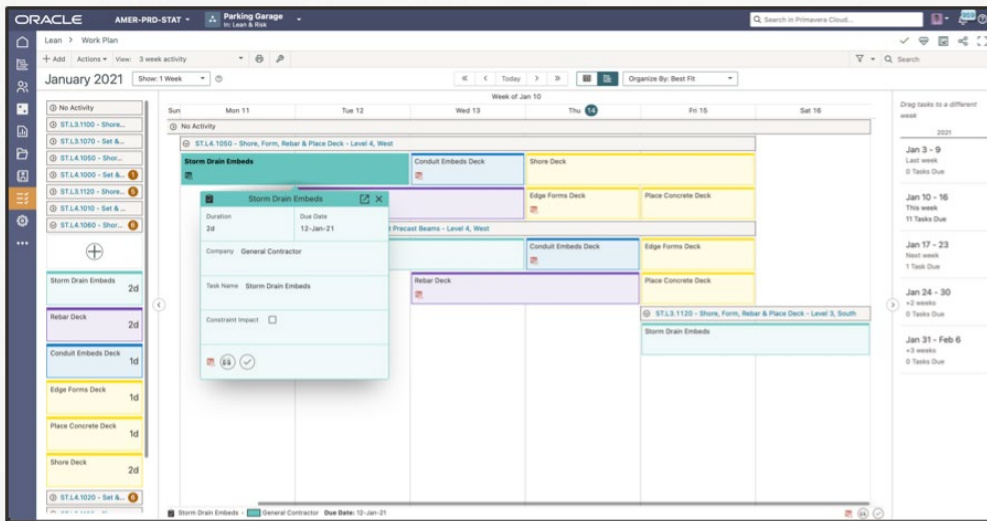
Oracle Primavera Cloud task management

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