

Oracle Aconex for Design-Build

Oracle Aconex is ideally suited to the unique requirements of design-build projects. The highly configurable process management engine can facilitate any end-to-end process across the entire project lifecycle. Aconex connects design and delivery teams by eliminating barriers to collaboration, increasing adoption and data sharing, capturing a complete project record. With an unalterable audit trail that minimizes disputes and risk, Aconex keeps projects on track for successful delivery.

The Challenges of Design-Build Projects

Design-build is becoming increasingly popular as a project delivery method, offering significant time and cost savings compared to traditional project delivery methods. Compared to design-bid-build, design-build projects are constructed 36% faster, delivered 102% faster, with 3.8% less cost growth¹. Despite the advantages, Design Build also creates challenges that can impact successful project delivery:

- How can I ensure seamless collaboration across the design and construction teams?
- How can I manage the unique requirements of design AND construction of the project?
- How can I align design and construction when both are occurring simultaneously?

Oracle Aconex - Open Collaboration and Process Management

The Aconex data ownership model addresses the challenges of design-build projects. Every project organization has their own private and secure workspace, owning and controlling their data and access to that data. Combined with an unalterable audit trail, this builds trust in the platform, driving adoption, collaboration and data sharing - capturing a complete project record on the one platform.

The highly configurable process management engine can facilitate any end-to-end process across the entire design-build project lifecycle, onsite or in the office, with the ability to match exactly how you run your projects.

A trusted and adopted platform, capturing complete process data across the lifecycle, maximizes data quality, providing the visibility and control to better drive performance and improve processes.



Key Business Benefits

- Manages end-to-end processes across the entire lifecycle, complete control and visibility.
- Configure the platform to match specific processes and adapt as you grow.
- The unique data ownership model drives adoption, capturing a complete project record.
- A single source of truth helps eliminate errors and multiple data entry.
- Connect design and delivery teams, the entire supply chain, both internally and externally.
- In-built model coordination capabilities, no specialist software required.
- A complete, unalterable project record and audit trail minimizes disputes and risk.
- Easy for project teams to work faster & more safely, without errors.
- In depth reporting and insights for continuous learning and process improvement.
- Control, insights, effortless handover, & fast time to value.

¹) 2018 Project Performance Review, CI/Pankow.

Secure Document Management

Easily manage millions of documents and models without limits on data or participants, including any size, type, or number of files:

- Strict version control avoids errors by ensuring everyone is working off the latest documents.
- Work packaging makes it easier to track and control processes, from design and construction to sign-off and completion.
- Link engineering and construction documents to the OPC Schedule through Aconex Packages integration; providing greater alignment of the Schedule with actual jobsite work, improving Schedule accuracy.
- Custom workflows automate review and approval cycles, reducing complexity, improving data capture, and increasing control:
 - Automate and standardize repetitive functions and regulate the review and movement of documents.
 - Aconex automatically sends documents through the workflow according to the set rules and timings.
 - Create custom workflow templates and sub-workflows if required.
 - Detailed tracking and reporting.

Advanced Communication and Forms

Avoid the limitations of manual correspondence with a standardized digital process providing project-wide access and visibility. From designing forms to creating fields, configure Aconex to your processes and capture the right data in the right format:

- Mail routing automates and standardizes business processes, ensuring best practice and minimizing the chance of human error.
- Easily track process communications, keep up to date on progress, avoid bottlenecks, and reduce RFI turnaround times by 50 percent.
- All correspondence is automatically logged and cannot be deleted, providing a complete project record and unalterable audit trail.

Simplified Model Coordination

Connect teams, models, and project data in a secure collaborative environment:

- Seamlessly share, review, and contribute to models without specialized software.
- Provide model access to the entire project team.
- Utilize a single platform to raise, communicate, and manage the coordination process with a dashboard to control and monitor progress
- Easily import and open Revit files directly within Aconex
- The integrated Aconex mobile app provides access to models and data onsite.

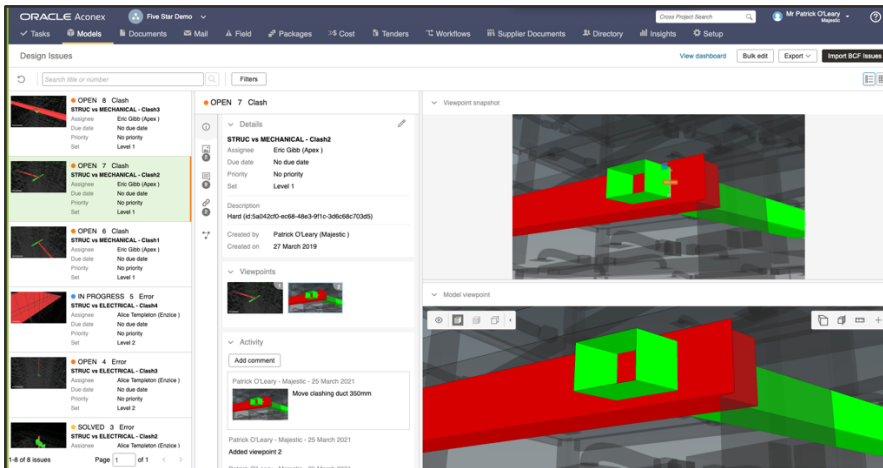


Figure 1. Oracle Aconex Model Coordination.

Integrated Project Controls

Gain visibility into budgets, forecasts, and projective outcomes to enable early corrective action:

- Track and report on any project level with unlimited work breakdown structure elements, control accounts, and work packages.
- Use earned value methods such as cost-performance-index (CPI) and schedule-performance-index (SPI) to forecast your costs.
- Keep budgets and schedule in sync using one-click integration with Oracle Primavera P6 Enterprise Project Portfolio Management.
- Track portfolio and project performance with real-time cost tracking and variance analysis.

Jobsite Mobility

Real time collaboration and control of jobsite processes from one integrated app. Capture, track and share project information, from anywhere on the jobsite.

- One integrated app to manage documents, correspondence, models and inspections.
- Real time collaboration with access to the latest data and drawings.
- Fully integrated with Aconex, providing a single and complete project record.
- Automate / standardize any inspection with Aconex Field.
 - Tailor issue capture to your needs and capture the data that's most important to you, including defects, snags, and punch lists.
 - Keep using your existing forms exactly as they are and complete them in Aconex Field, eliminating paper inefficiencies.
 - Leverage real-time health and safety data to keep teams accountable and demonstrate compliance with regulatory requirements.
 - Minimize delays and risks by recognizing red flags early with in-depth visual dashboards that provide insights at the portfolio, project, or organizational level.

Oracle Aconex Project Data Archive

A complete and accurate project record that is instantly retrievable and fully searchable.

- Securely access a central record of all captured project documents and communication on-premise, or in the Cloud.
- Control and manage risk by better supporting quality assurance requirements and avoiding, or more quickly resolving, claims and disputes.

The Aconex Design Build Difference

- Manage any end-to-end design-build lifecycle process.
- Connected processes and data drives performance, insights, continuous learning and control.
- The platform grows with you - Set up flexible processes based on how you work, and change as your processes develop.
- The unique Aconex data ownership model eliminates barriers to team collaboration, increasing adoption and data sharing, capturing a complete project record on one system.
- An unalterable Audit Trail tracks and captures every project decision, ensuring accountability and minimizing disputes.
- A trusted platform and rock-solid audit trail drives adoption, visibility, a single source of truth and minimizes disputes.
- Secure and compliant, meeting the highest international security standards.
- Quick time to value - fast to deploy, easy to configure, and up and running in days.
- Unparalleled service and support gets your projects off to the best possible start and helps keep them running smoothly.

Connect with us

Call +1.800.ORACLE1 or visit oracle.com. Outside North America, find your local office at: oracle.com/contact.

 blogs.oracle.com

 facebook.com/oracle

 twitter.com/oracle

Copyright © 2022, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 0120

Disclaimer: If you are unsure whether your data sheet needs a disclaimer, read the revenue recognition policy. If you have further questions about your content and the disclaimer requirements, e-mail REVREC_US@oracle.com.