Oracle Aconex Model Coordination Cloud Service

Experience collaborative model management in a secure common data environment (CDE), with seamless integration to the ecosystem and no additional software required for collaboration.

THE CHALLENGES OF MODEL MANAGEMENT

While open and transparent collaboration has become a well-known and addressed topic in construction and engineering projects over the last two decades, model management in BIM projects has been the preserve of specialists using proprietary modelling tools. The wider project team has been unable to easily participate in the design and coordination process as the BIM design information has been disconnected from them, dispersed across many different systems.

Most importantly, the critical model coordination process suffers from lack of flow across the applications landscape:

- Design issue resolution is spread across multiple systems impacting cost and administration.
- Lack of integration with authoring and validation tools leads to errors and further cost.
- Scattered data leads to poor overview and control on status of the coordination process.
- Unreliable progress reports and audit records impact quality and control.

Slow progress and decision-making based on assumptions are the direct result of disconnected teams working with separated data and little to no transparency. Information spread over different systems creates multiple versions of the truth leading to lack of clarity, errors, and disputes—all impacting cost, quality, and schedule. This is not a basis for leveraging insights to improve and optimize processes.

THE DIFFERENCE: ORACLE ACONEX IS A SEAMLESS INTEGRATED SOLUTION

Oracle Aconex Model Coordination Cloud Service simplifies model management by connecting teams, models, and all relevant project data in a true collaborative CDE. A powerful model viewer aligns the project team and the entire supply chain to the design coordination process, enabling all project participants to easily share, visualize, coordinate, review, and contribute to models across organizations. Accessing the CDE via tablet or web browser, design teams enjoy a single platform to query, communicate, and manage the coordination process with a dashboard providing a clear view of status. Teams gain the full benefits of collaboration, including a full audit trail of all decisions made during the project.

Key Benefits

- A true common data environment connects all teams and data, ensuring a single source of truth and facilitating end-to-end process management.

- Manage coordination resolution in a single platform—with no additional software required.

- Focus on the coordination issues that need attention.

- Project-wide BIM participation drives faster processes and cycle times.

- Improved efficiency, quality, and faster project completion.

With Oracle Aconex security and neutrality everyone is protected.

ORACLE®

A TRUE COMMON DATA ENVIRONMENT

Built on many years of experience as the world's leading collaboration platform in construction and engineering, model-oriented projects now benefit from industry-leading security and neutrality. A sophisticated Model Server forms the center of the Oracle Aconex CDE, facilitating integration with most common authoring and model checking tools. Therefore, no additional management tools for issues and clashes are required. The entire project team benefits from the interoperability of Open BIM standards and can interact with models and participate in the BIM processes.

Two levels of functionality are available based on your project's requirements:

Model Explore

- A collaborative high-performance model viewer that is fast and intuitive.
- Project teams can upload model files and seamlessly view, federate, navigate, section, and share models with authorized project participants able to view with zoom, rotate, pan, and section.
- Integrated with the Oracle Aconex Document Register.
- Allows direct IFC upload from Revit.
- Web browser and mobile access to navigate models.

Model Coordination

- Comprehensive issue and clash management supporting the end-to-end coordination process.
- In addition to the capabilities of Model Explore, functionality includes:

  - Seamless clash and design issue capture, management, and resolution.
  - Plug-in integrations to authoring and model checking tools.
  - Dashboard to monitor progress and reporting.
  - Create and share viewpoints.
  - Measure in the model and communicate results.
  - Integrated process support and full audit trail across the supply chain.

Supported Formats

- IFC 2x3, IFC4.*
- BCF 2.0, 2.1

Industry-Leading Project Management and Collaboration Technology

The Oracle Aconex cloud platform manages information and processes for the world's largest construction and engineering projects. With more than 6 million users and more than US$1 trillion of project value delivered in 70 countries, it is the industry's most widely adopted and trusted platform.

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