Product Announcement

New in the Formtek Engineering Data Management Solution

Introducing the Formtek BIM Transform Engine

Bring Autodesk Revit models into Alfresco for anyone to view, search, and inspect project data- no Revit installation required.

Release 1.0 [ANNOUNCEMENT DATE]

A Revit file represents far more than a visual draft; it holds the foundational intelligence of an entire project, from materials and dimensions to system architecture and schedules. However, large file sizes and proprietary formats often lock out non-technical stakeholders - preventing them from viewing models or inspecting critical project information without a dedicated Revit environment.

Enter the Formtek BIM Transform Engine. As the latest addition to the Formtek Engineering Data Management Solution for Alfresco, it extends the capabilities of our proven Formtek CAD Transform Engine from CAD/IFC to complex Revit files. By processing native Revit formats directly, it automatically renders browser-compatible visual previews and extracts critical project metadata during ingestion and making BIM data accessible to your entire organization without requiring specialized desktop software.

Browser-Based Viewing

Each Revit file is converted into a thumbnail image and a multi-page PDF preview that pairs the active view with a 2D top-down view of the 3D model, providing team members instant model visibility directly from the browser.

Deep Content Search

Revit model text is automatically extracted and indexed upon upload. Files that were once discoverable only by filename are now searchable by their internal content, making specific project details easy to locate instantly.

Centralized Project Data

Key project details—including name, number, client, address, issue date, and status—can be automatically mapped to your existing Alfresco content model properties, enabling seamless automation via repository rules.

Get More with the Formtek EDM Module

While the Transform Engine handles the heavy lifting of conversion and extraction, the **Formtek EDM Module 4.3.1** provides the user interface that ties it all together. The **Download 3D PDF** action generates an interactive 3D PDF that stakeholders can view, rotate, and analyze using Adobe Acrobat Reader and other compatible 3D PDF viewers, making complex BIM data portable and shareable anywhere.

Specifications

- **Revit Formats:** Projects (.rvt), Families (.rfa), Templates (.rte), and Family Templates (.rft).
- **Alfresco Versions:** Alfresco Content Services (ACS) 23.x, 25.x, and 26.x.
- **Operating Systems:** Linux and Windows.
- **Deployment:** A dedicated server can optimize performance when processing resource-intensive models.

Have Revit models outside your document system? **Contact bizdev@formtek.com**

About Formtek. For over two decades, Formtek has provided mission-critical IT software and services to some of the most demanding engineering, manufacturing, aerospace, industrial, and technical organizations in the world. Formtek builds solutions for content management platforms that are open and adaptable to complex IT environments, including Formtek | Orion Content Repository Services and the Alfresco Digital Business Platform. To learn more, visit formtek.com.

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