Prolog Converge

Web-based Construction Project Management

FOR PROJECT TEAMS CONTRIBUTING TO THE SUCCESSFUL DELIVERY OF PROJECTS, PROLOG CONVERGE PROVIDES WEB-BASED PROJECT MANAGEMENT CAPABILITIES IN THE AREAS OF COLLABORATION, COST CONTROL, REPORTING, DOCUMENT CONTROL, FIELD ADMINISTRATION, PURCHASING, AS WELL AS INTEGRATION SUPPORT USING A POWERFUL WEB SERVICES PLATFORM.

Bring your entire project team together in a real-time, online project management environment and increase user adoption within your organization through role-based user interfaces. Simplify the capture and management of multiple project documents with email and file capture while generating letters, contracts and other correspondence from a library of templates, all linked to the project record. Key project spreadsheets, PDFs, documents and even BIM Collaboration Format (BCF) files are stored in one central location. Prolog Converge allows you to create end-to-end business solutions with an extensible, interoperable Web services platform that allows diverse systems and organizations to work together.

Prolog Converge provides a rich web user interface for viewing and managing construction project portfolios.

Benefits

- Improve collaboration amongst the entire project team.
- Reduce project financial risk and exposure.
- Single system of record enabling delivery of projects on time and on budget.
- Gain visibility into the movement of project dollars with cash flow forecasting.
- Streamline routing and approvals with predefined or ad-hoc workflow.

Collaboration

FEATURE	ADVANTAGE
Streamlined web user interface	• Provides an easy-to-use, online environment for your construction project teams to create, read and edit project information.
Anytime, anywhere access to project data	• The Web interface of Prolog Converge, along with the Web services platform, provides a low cost deployment model for collaborating across your extended project teams.
Intuitive, easy-to-use data entry on the following Prolog forms	• Document Control • Field Administration • Cost Control • Company Management • Purchasing
User-defined sorting and grouping of projects	• Customize project views by user level.
Record to Record Linking	• Provides bidirectional link between records within Prolog Converge.
Security	• Role-based security access to projects.
Material Tracking	• Track construction materials throughout the supply chain process. Users can update materials' supply chain statuses, review & update material details and perform QA/QC checklists against those materials.
Mobility	• Prolog Mobile enables field staff to view current project information and to manage construction oversight activities, with or without an Internet connection. Data is collected in real time from the field and synchronized with Prolog back in the office, creating a complete system of record for all project data.
Workflow	• Define workflow rules and Prolog Converge will automatically recognize when a new document requires routing and approval. Prolog Converge will know who must take action, will alert that person by email and determine when certain thresholds trigger different protocols, for example, when a higher dollar amount requires two approvals instead of one.
Project E-Mail Capture	• Creates Prolog Transmittal & Correspondence or Conversation Log records from emails sent to a project-specific email address including any attachments.
Web Based Mail Merge	• Using Prolog Word Templates, Prolog data may be merged, previewed, and saved into configured documents to generate Letters, Contracts, and other standard project-related correspondence.

Insight Module

FEATURE	ADVANTAGE
Comprehensive Dashboards	• Create 360-degree views of Prolog data with drill down capabilities. View dashboard data including project metrics and KPIs.
Configurable by Role	• Provide views that are configured by project team role, such as project executive, owner and project manager.
Export data for enhanced reporting	• Easily export Prolog data into other data formats such as Microsoft Excel, HTML, PDF, RTF or Plain Text.

File Management

FEATURE	ADVANTAGE
Drag & Drop	• Enhanced file management allowing drag and drop files (from your desktop) to quick upload folders.
Quick Upload	• Available throughout Converge to easily upload and link project documents directly to Prolog Records.
Check In/Out	• Check in /out documents for tasks such as review and markup.
Version Control	• Control versions on critical project documents maintaining document integrity.
Enhanced URL linking	• Easily link Prolog records to external documents stored in systems such as MS SharePoint.
Security	• Enhanced security settings to ensure document integrity by controlling permissions on files associated with records. The Prolog security model enforces read and write privileges throughout the document management system.
Document Management	• Centrally manage all project-related documents in one location and allow online, secure access based on user permissions. Quickly upload and link one or more files to Prolog data. Organize files into a streamlined folder structure similar to Windows Explorer.
Lookup & List Group Maintenance	• Manage standard codes and lookups for your project, or across your portfolio.
View and Redline	• View files in native applications. Trimble also provides a viewer to view, redline and mark-up hundreds of files types.
Advanced File Searching	• Common file formats are indexed to permit rapid content searching.
Project File Capture	• Monitor project-specific network file systems or FTP sites for incoming documents and automatically upload files. Create new folders or subfolders with appropriate Prolog security. Automatically email notifications for newly uploaded or updated documents
BIM Collaboration Format (BCF) File Viewer	• Store, view, and collaborate on BCF files in Prolog Converge. BCF provides a 2D snapshot image of a 3D model and allows project team members to link the BCF file to a Prolog record, view and add to threaded discussions on the BCF file, then transmit the updated file to any BCF-compliant software product. BCF Viewer provides an easy way for BIM coordinators to collect feedback from other project stakeholders and save it with the model without sharing full BIM files.
Folder Subscriptions	• Monitor selected folders for changes. Anytime a change occurs to files or folders within the subscribed folder, the user will receive an email notification with details of the change. Users can receive notifications for different events - for example when a new file has been uploaded to a subscribed folder, or files and folders are deleted or moved, or new revisions of existing files are created.

Reporting and Queries

FEATURE	ADVANTAGE
Powerful reporting module	• Execute advanced queries across multiple records, project and Prolog databases. View, filter, and group projects based on various metrics such as region, status, project size, and more.
Support for other reporting formats	• Launch Prolog Crystal Reports and easily export to native software such as Excel and Adobe Reader.
Run-time filters	• Enhanced run-time filtering on reports

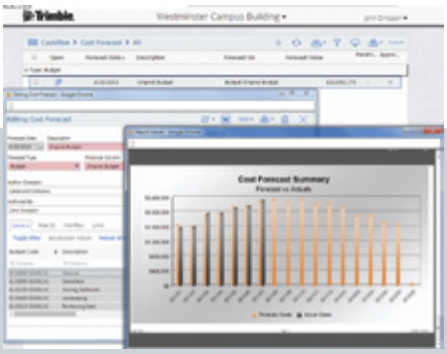
System Requirements

See Prolog Technical Reference Guide for more details.

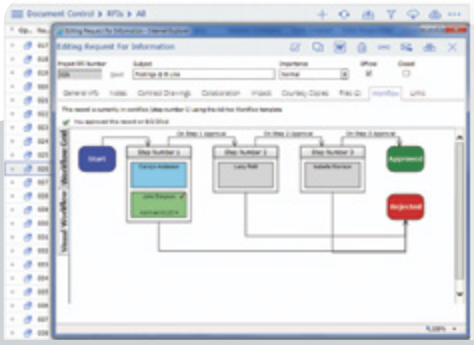
- **Hardware:** In a production environment, Prolog Converge performs best on a modern multi-core processor (Trimble recommends at least 4) with more than 1 GB of memory per core. Better performance is achieved with faster processors and more memory.
- **Server Operating System:** Windows Server 2003, Windows Server 2008, Windows Server 2012 R2
- **Database Server:** SQL Server 2008 R2, SQL Server 2008 R2SP1 Express Edition, SQL Server 2012 or SQL Server 2014
- **Virtualization (optional):** Hyper-V or VMWare
- **Client Browser:** Internet Explorer 9/10/11, Chrome, and Firefox. Most functionality also available in Safari.
- **Prolog Manager:** At least one installation of Prolog Manager 9 and above

Cash Flow Forecasting

FEATURE	ADVANTAGE
Cost Allocation	• Allocate costs using bell-curve, frontloaded, back-loaded, linear algorithms or manual plug input
Track and monitor distribution of dollars over time	• Graphical comparison of actual vs. forecast cash flow, with dynamic updating for changes in budget or schedule, makes trends easy to spot.
Financial Reporting	• Comprehensive reporting capabilities provide a 360° view of project financials with drill-down capabilities. Export reports to HTML, PDF, Word, Excel, and more.
E-Mail Notifications	• Schedule notifications to be sent via email when action is required by a project team member.
Automated reports and alerting	• Schedule reports to run at specific times or for specific intervals. Create automatic email alerts when certain thresholds are met.
Content	• Control content of the notification, and control output of the content.
KPI's	• Use notifications to help facilitate collaboration and mitigate risk, by setting up notifications around key performance indicators.
Hyperlinks	• Notifications can be configured with hyperlinks to drive a user to a specific Prolog record or information location with a single click.
Notifications from other applications	• The Notification subsystem helps monitor and mitigate risk from other applications that have been integrated with Prolog Converge.



Cash Flow forecasting provides a graphical comparison of actual versus forecast cash flow



Create custom workflow for routing and approval.

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