

**Construction
Imaging®**

MANAGED | AUTOMATED | INTEGRATED

Timberline® Office and Enterprise Integration

Providing content management technologies to fully manage, automate, and integrate construction business processes with construction business applications, document archiving, and information availability. Automated workflows, integrated applications, and structured information management provide our clients with the necessary tools and professional resources to implement and maintain a successful Enterprise Content Management strategy.

Construction Imaging fully integrates with Sage Timberline® Office and Enterprise providing a “best in class” pairing between ECM and ERP. Construction Imaging technologies augment the business process, providing electronic workflows to streamline the data collection into the Timberline® Office system. Additionally, the ECM integration provides a central storage and management solution for all electronic documentation.

Centralized storage provides a principal administration portal for security, access, archiving, backup, and retention. Construction Imaging solutions equip Timberline® users and administrators with an array of tools to develop and maintain a comprehensive Enterprise Content Management strategy.

Data Validation

Data validation is a critical component of the Timberline® integration.

Data validation ensures that the document management system is

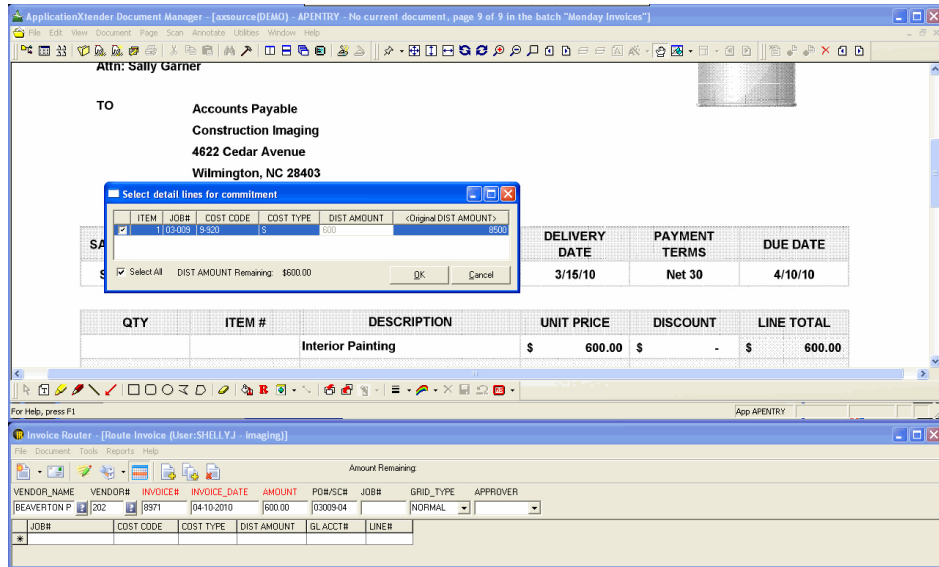
operated on correct, clean and up-to-date Timberline® data. Often this process is carried out for the purpose of making Timberline® data available to end-users without giving them access to the Timberline® software. It also ensures data consistency between the two programs and eliminates manual entry. Popular data validation includes Data Lookup and Commitment Pull.

Data Lookup

Lookups, “Lists” in Timberline®, provide an easy way to ensure users input valid information into the appropriate fields. Lookups can be as simple as showing a list of vendors, or as complicated as providing the user with a list of valid cost types for the company, job and phase that they have entered for a particular invoice detail line. Lookup



fields are typically configured to mirror Timberline®, but may be customized to customer requirements if necessary.



The Commitment Pull allows users to view the commitment amount remaining in Timberline® on a purchase order or subcontract prior to routing or approving the invoice in the document management system.

Commitment Pull

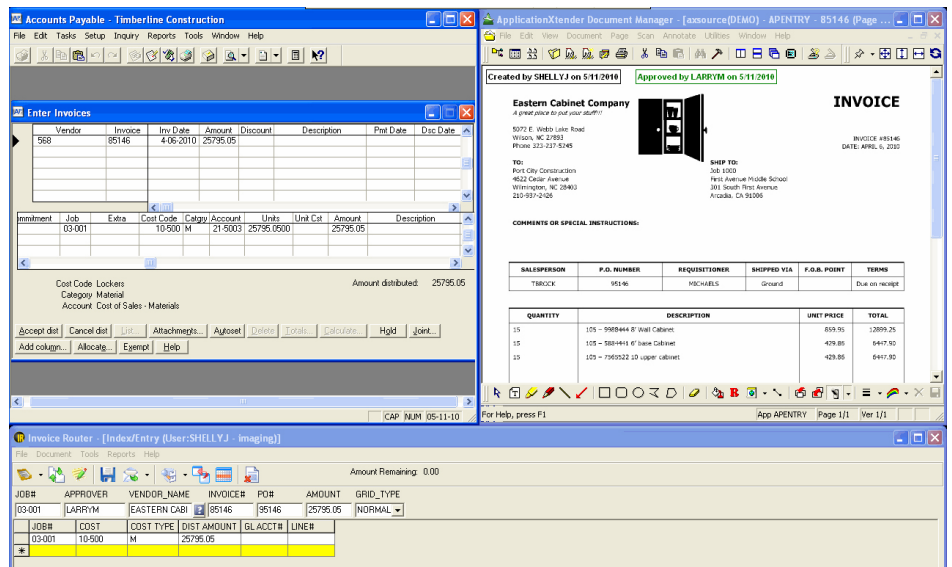
Invoice Router's standard detail grid provides a great way to code invoices; however, for those invoices that have the coding lines already setup in Timberline®, implementing the Commitment Pull feature is a great advantage. The Commitment Pull provides real-time access to Timberline's Job Cost data from Invoice Router. Users are presented with a grid showing all lines in Timberline® for that particular commitment. Users then select lines that apply to that invoice and enter the current amount for the line item being approved.

Advanced Validation

Timberline® clients that have advanced validation needs, a solution feature provided allows for customer-created Stored Procedures to be executed when a user attempts to approve a document. The Stored Procedure will have access to any field value from the document and when completed will return a warning or error message stating the reason the document failed validation. If the information validated successfully, the user sees nothing and the document is approved. Stored procedures can include verifying that the subcontract has been signed, insurance is up to date and a lien release is present.

Data Export

Exporting data from Construction Imaging into Timberline® can be performed in a variety of methods, depending on the document type and/or the client's internal policies and procedures. Data Exports eliminate duplicate keying, which is a goal of any Enterprise Content Management implementation.



Type Once Export enters the data exactly as if a user had typed in the invoice manually, but much faster.

Type Once Export

Type Once Technology allows data from Invoice Router to be pushed directly into the Enter Invoices screen in Timberline®. Users don't need to learn any new processes; the Type Once Export enters the data exactly as if a user had typed in the invoice manually, but much faster. Validation is performed interactively by Timberline® as it always has. If an error occurs, the process is paused and the user is prompted to resolve the problem. If the AP user cannot resolve the problem immediately, the export can be canceled and the document routed to the appropriate user for correction.

Batch Export

This method eliminates the need for AP to see every document, while still ensuring that Timberline® validates every invoice. An Import Template is provided to import batches of invoices directly into the system. Invoices appear as a new batch in Timberline® and must still be processed by an AP user. To ensure compliance and data integrity, Timberline® tables are never directly edited or modified.

Document Linking

Construction Imaging documents are linked to Timberline® transactions and can be viewed from the inquiry screen within Timberline®. Almost immediately, Construction Imaging will locate each associated record and create a link between the accounting software and the document management system. Since all documents are managed in one repository; routine maintenance is streamlined and central.

Timberline® Interface

Attachments from Construction Imaging act as native Timberline® attachments and thus all the features of Timberline® DM are available. For example, attachments still exist in drilldown reports and users can launch the document by clicking the appropriate attachment line item.

The screenshot displays two windows from the Timberline® software. The left window, titled 'Inquiry - Invoice Register - Invoice Summary', shows a table of invoices for Vendor 100, A-1 Electric Company. The right window, titled 'ApplicationXtender Document Manager', displays an invoice from A1 Electric Company for the date 05-20-2001. The invoice includes a table of items and a summary section.

Invoice	Description	Invoice Date	Original Amount	Discount Offered	Amount Paid
587		5-20-2001	14,555.00		.00
30112	PO#1002 NO 23154	3-05-2001	116.50		.00
049610	10% complete billing	4-21-2001	9,250.00		5,197.50
049612	10% complete billing	4-23-2001	6,790.00		.00
658791	PO#1000	1-16-2001	48.00		.00

A1 Electric Company
Lighting Your Future
46520 Hwy 99
Tigard, OR 97008
Phone (503) 744-3200 Fax (503) 744-4655

Date: 05-20-2001

Construction Imaging Systems
3993 Sunset Avenue
Rocky Mount, NC 27804
252-937-2426

INVOICE NUMBER
987

SALESPERSON	P.O. NUMBER	SHIP DATE	SHIP VIA	F.O.B. POINT	TERMS
Rob Carlton	A1087	NA	NA		Due on receipt

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Electrical Rough In	\$ 14,555.50	\$ 14,555.50

SUBTOTAL \$ 14,555.50
TAX RATE
SALES TAX EXEMPT

Documents stored in Construction Imaging can be viewed within Timberline® using TimLink. Timberline® inquiries are completed the same way as before. Within the inquiry, invoice images can be viewed.

Powerful Viewer

Timberline's DM system requires that users have an application installed to view the document they are downloading. Construction Imaging provides a powerful viewer with support for more than 200 document types. Some popular types include: Word, Excel, PDF, CAD, JPEG, TIFF and many more. Users no longer need expensive third party software to simply view a stored document.

The screenshot displays the ApplicationXtender Document Manager interface. The main window shows a purchase order (PO Number 95149) for Eastern Cabinet Company. The interface is divided into several sections: 1. Purchasing Agent (Tracy McAdams), 2. Vendor (Eastern Cabinet Company), 3. Bill To (First City Construction), and 4. Ship To (First Avenue Middle School). Below these sections is an order table with columns for Item, Description, Quantity, Unit Price, Discount, and Subtotal. The table lists three items: 15 units of 'WELL CAB - 8\"/>

SALESPERSON	P.O. NUMBER	REQUESTOR	SHIPPED VIA	P.O.B. POINT	TERMS
TRUCK	95149	POCHILLS	Ground		Due on receipt

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
15	105 - 958244 8" well Cabinet	859.99	12899.25
15	105 - 585141 8" base Cabinet	429.86	6447.90
15	105 - 795922 10" upper cabinet	429.86	6447.90
	SUBTOTAL		25,795.05
	SALES TAX		Example
	SHIPPING & HANDLING		Nil
	TOTAL DUE		25,795.05

Construction Imaging's document management system supports 200+ native document views from within the system, providing complete document control without downloading files to the desktop.