

**Construction  
Imaging®**

MANAGED | AUTOMATED | INTEGRATED

# CGC/eCMS 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 the CGC/eCMS ERP software line 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 CGC/eCMS ERP 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 CGC/eCMS users and administrators with an array of tools to develop and maintain a comprehensive Enterprise Content Management strategy.

## Data Validation

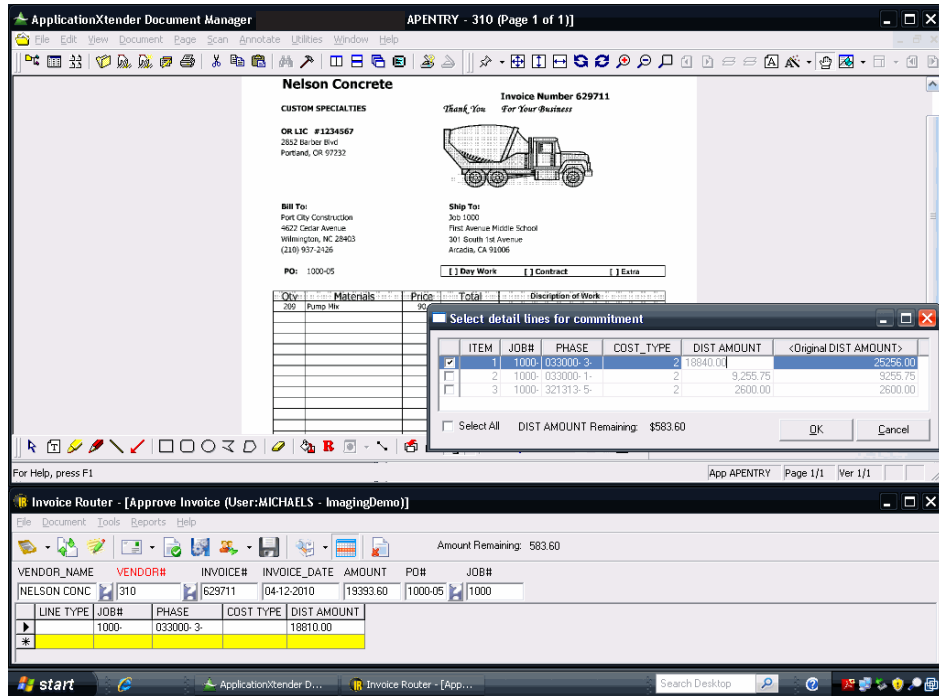
Data validation is a critical component of the CGC/eCMS integration. Data validation ensures that the document management system is operated on correct, clean and up-to-date CGC/eCMS ERP data. Often this process is carried out for the purpose of making CGC/eCMS data available to end-users without giving them access to the CGC/eCMS ERP 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 CGC/eCMS, 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 CGC/eCMS, but may be customized to customer requirements if necessary.



The Commitment Pull allows users to view the commitment amount remaining in CGC/eCMS 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 CGC/eCMS, implementing the Commitment Pull feature is a great advantage. The Commitment Pull provides real-time access to CGC/eCMS' Job Cost data from Invoice Router. Users are presented with a grid showing all lines in CGC/eCMS 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

CGC/eCMS 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 CGC/eCMS 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.

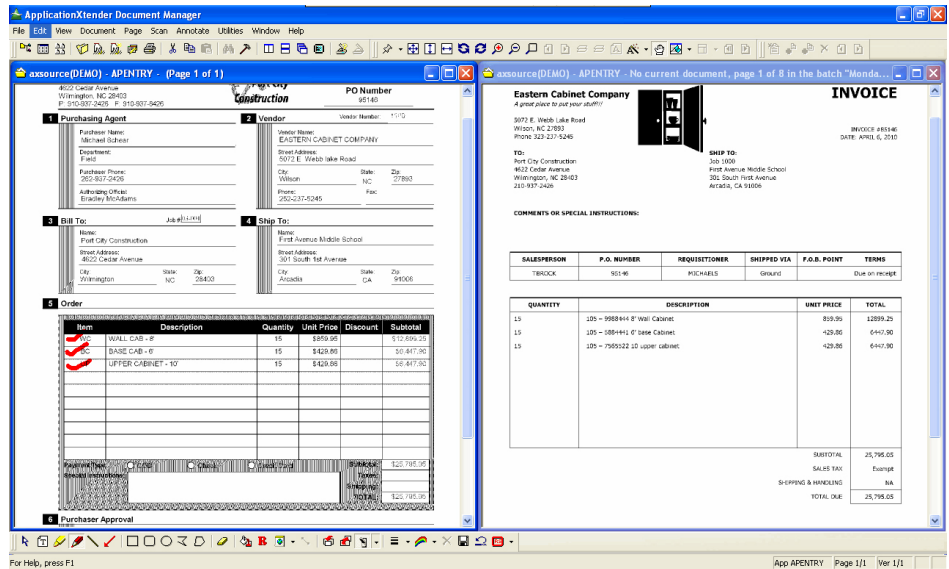
## Type Once Export

Type Once Technology allows data from Invoice Router to be pushed directly into the Enter Invoices screen in CGC/eCMS. 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 CGC/

eCMS 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 CGC/eCMS validates every invoice. An Import Template is provided to import batches of invoices directly into the system. Invoices appear as a new batch in CGC/eCMS and must still be processed by an AP user. To ensure compliance and data integrity, CGC/eCMS tables are never directly edited or modified.



*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.*

## Document Linking

Construction Imaging documents are linked to CGC/eCMS transactions and can be viewed from the inquiry screen within CGC/eCMS. 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.

## Powerful Viewer

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.