Objective

CAPABILITY OVERVIEW
DRAWINGS

OBJECTIVE'S DRAWINGS SOLUTION ENABLES PEOPLE TO MANAGE COMPLEX ENGINEERING DRAWINGS, THEIR RENDITIONS AND REFERENCES TO PAPER DRAWINGS ALONGSIDE THEIR GENERAL CORPORATE CONTENT, IN A SINGLE SOLUTION. THIS DELIVERS A PLATFORM FOR ACCESS AND COLLABORATION, IMPROVED GOVERNANCE PROCESSES AND INTEGRITY AND SECURITY OF INFORMATION.

BUSINESS BENEFITS

- **Better decision-making** based on the timely availability of all relevant information.
- **Improved operational effectiveness** through faster responses to problems and minimisation of down-time.
- **Secured intellectual property** and confidentiality of information.
- **Improved productivity** through enhanced search and retrieval, and automating review and approval processes.
- **Ability to securely extend access** to external service providers and outsourcers.

PRODUCT FEATURES

- Title block updating
- Sheet management
- Version linking
- Reservations
- Version Control

THE BUSINESS CHALLENGE

Traditionally, the Engineering department has relied on custom applications to create and maintain drawings, resulting in information silos where engineering information was stored and managed in isolation from all other corporate information.

Critical to the entire business, engineering information has often been difficult to access by anyone within or outside of the organisation, other than the engineers.

This creates significant challenges for collaborating on major infrastructure projects such as: construction, maintenance, upgrades and improvements or disaster recovery, where all people working on the project, not just the engineers, need access to all of the information related to it.

Also essential to these projects and processes are often large volumes of related information: project plans, technical manuals, design specifications and maintenance manuals. And like any organisation, general corporate documentation including policies and procedures, contracts, human resource documents, occupational health and safety matters; must be managed to operate effectively, efficiently and comply with various legal and industry regulations.

OBJECTIVE DRAWINGS

Integrating with popular drafting applications AutoCAD® and Microstation®; and common mark-up applications such as AutoVue™, Objective Drawings is a solution that aggregates engineering content with all other corporate content providing people with a single, comprehensive view of information regardless of its format or origin.

Objective Drawings delivers full drawings management functionality with the additional control and governance benefits delivered through enterprise content management (ECM).

Delivered as a component of its broader ECM solution, drawing management from Objective also supports:

- Document Management processes such as: review, versioning, and approval.
- Records Management principles of retention, corporate value and disposals.
- Compliance principles of auditing and tracking actions.

Within strict security controls, organisations can easily extend access and management of both drawings and corporate information to external service providers, customers, contractors and suppliers.

Offering people a single point of access, management and collaboration improves productivity, reduces costs and facilitates better decision-making.

KEY ATTRIBUTES

COMPREHENSIVE VERSION CONTROL FOR ENGINEERS

For both Microstation and AutoCAD users, Objective provides full document management functionality such as versioning, check-in/check out, and reservation capability for any drawing or document; either internally, or externally to a supplier or vendor. In addition, the associated metadata such as drawing number or endorser is captured at a version-specific level. This enables quick and succinct search and retrieval for drawings, versions of drawings and any related documents. All of this is available within a single solution, a single interface with tight integration into the drawing application.

CUSTOMISABLE SECURITY MODEL

One of Objective's core strengths is its robust yet fully flexible, Defence-strength security model. Objective's three tiered security model allows group or specified individual privileges to be set at the most granular level, at the drawing or higher, at the project or folder levels. As an additional precaution, drawings in

draft mode can be hidden from anyone except those working on it, allowing broad access to only the latest published version.

MENU FUNCTIONS

To minimise time spent learning and accelerate adoption of document management principles Objective is designed with familiar menu commands such as: New File, Open File, QSAVE, Save, Save As, Block, Raster and External Reference inserts. Users are also able to update metadata information surrounding the drawing, such as title block details. This tight integration allows engineers to continue their own work practices within a familiar CAD environment.

DYNAMIC TITLE BLOCK UPDATE

For both Microstation and AutoCAD, title block metadata is stored against each version of each drawing. Based on business rules, the metadata, once updated, can automatically update the underlying title block of the drawing. This provides a consistent approach to the storage and integrity of your drawing metadata, with only one set of metadata to be maintained and a single source of the truth.

EXTERNAL REFERENCE MANAGEMENT

Importing complex and linked documents or drawings into Objective is a simple, single step. For example, a draftsperson creates a vector drawing in AutoCAD from an original raster image. When saving the new vector drawing into the content repository, the user is prompted to also register the
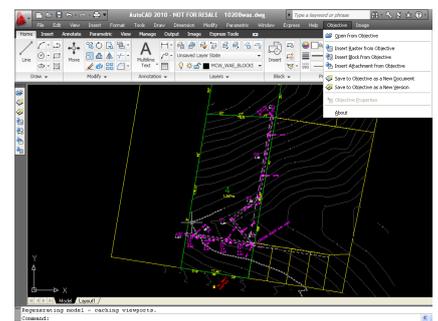

Figure 1 - Objective's tight integration with both Microstation and AutoCAD means that menu commands are available from within the drawing application.

cross referenced or linked raster. Any cross references contained within either document are automatically updated to reflect the new reference within the document management repository. The cross references are then managed as independent yet intrinsically linked objects to the original, greatly easing the burden of administration, search and access.

SHEET MANAGEMENT

Comprehensive sheet management in Objective allows users to create a new drawing from an original or template, for example a plumbing or electrical plan, at any size, with metadata duplicated. Retyping of essential metadata is not required, improving efficiency and drastically enhancing data integrity.

PDF RENDITIONS

Due to its non-changeable format, size compaction and reliable printing, PDF is widely considered the industry standard
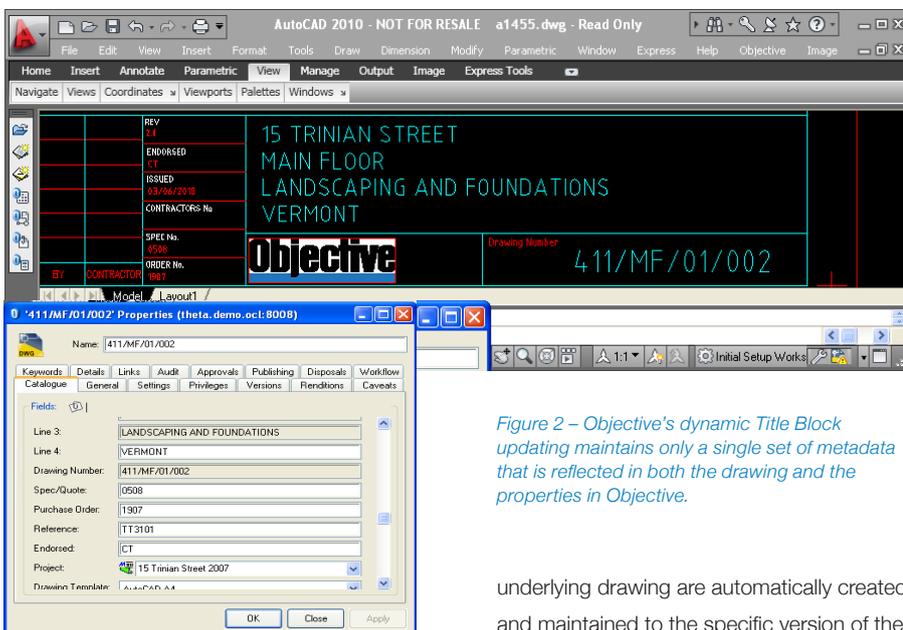
Objective

Figure 2 – Objective's dynamic Title Block updating maintains only a single set of metadata that is reflected in both the drawing and the properties in Objective.

BATCH PRINTING

Eliminating the time and frustration associated with the process of printing an entire project's drawings at once, Objective offers a Batch Printing option with Drawings.

Using tight integration with AutoVue, queue management allows users to assign individual printing specifications to a group of drawings prior to sending.

This enables all of the drawings associated with a project; regardless of their size or format; to be printed on the appropriate printer, in a single step.

RAPID DEPLOYMENT MODEL

Objective provides the IT area with the facilities to deploy the drawings management module to the client base via silent "MSI" installs or via the use of login scripts or third party push technologies such as Microsoft SMS.

underlying drawing are automatically created and maintained to the specific version of the drawing. This review process greatly aids collaboration in the design and review phase - the underlying drawing is not modified but the annotations and redlines are noted against the initial drawing.
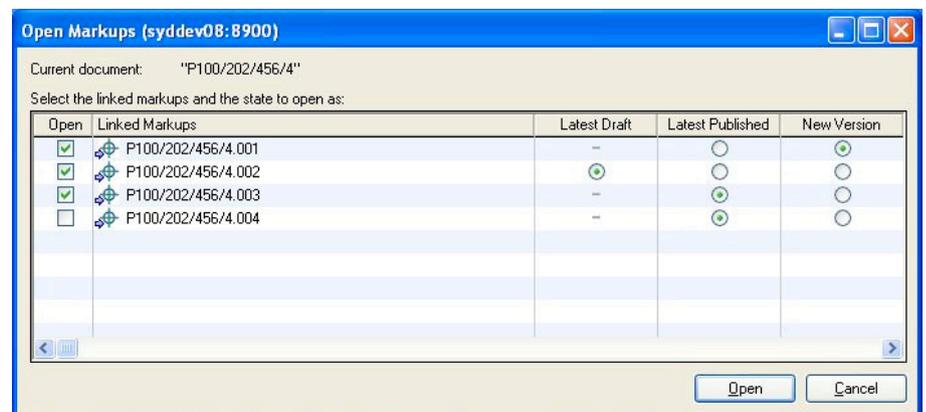
when distributing drawings electronically. Objective provides the ability for drawings to be rendered to PDF. This can be based on either; business rules or manually, on an as needed basis. The drawing rendition engine automatically includes any objects external to the main drawing including attachments, cross references, shapes, fonts and pen sets; ensuring the drawing rendition is a true and correct representation of the underlying drawing regardless of its origin or destination.

MARK-UP, REDLINING AND ANNOTATIONS

Tight integration with AutoVue provides engineers with the ability to mark-up or redline drawings and save these mark-ups independently into the repository. Links to the

Figure 3 - Objective's AutoVue integration automatically attaches any mark-ups to the underlying drawing, allowing the user to decide which specific mark-ups are to be opened and reviewed or new versions created for

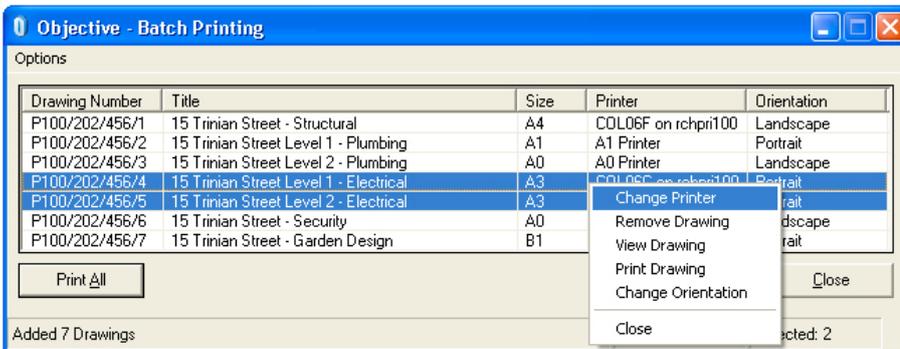CONNECTED. COLLABORATIVE. COMMUNITY.

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Figure 4 - Efficient print queue management allows individual printing specifications to be assigned to a set of drawings or make bulk changes such as changing the printer.

OBJECTIVE ENTERPRISE CONTENT MANAGEMENT

Objective 7 is a comprehensive Enterprise Content Management solution that connects your people to your enterprise content and business processes.

Objective 7 effectively manages the entire range and life-cycle of an organisation's unstructured content – electronic documents, records, email, web content, engineering drawings and more. It manages document-centric processes, controlling automating and optimising business processes.

Organisations implement ECM to re-use corporate memory, minimise processing costs, prove regulatory or industrial compliance, provide security and accountability of information and most

importantly, make effective decisions based on complete information.

Managing content alone however is not a solution. In order to leverage content as a strategic asset, it should meet the needs of the people who rely on content in their daily work.

Staff, suppliers, contractors, partners and customers – all consume, manage and contribute content to an organisation's knowledge store. Objective meets the diverse needs of all of these people delivering ultimate value to the organisation.

ABOUT OBJECTIVE CORPORATION

Objective Corporation (ASX:OCL) is an established leader and specialist provider of proven content, collaboration and process management solutions for the public sector.

Our solutions empower public sector effectiveness, efficiency and transparency, helping governments deliver better services at a lower cost to the community.

Through direct customer engagement, Objective is committed to delivering outcomes that have a positive effect on the public sector, its citizens and the community.

Since 1987, we have been trusted by Government and Top 1000 corporations to deliver long-term valued business outcomes.