

Drawing & Document Management Services & Solutions



Services

- Strategic Consulting
- Drawing & Document Management Software
- Document Management Systems
- Data Management Solutions

Industry Sectors

- Infrastructure
- Facilities Management
- Mining & Resources
- Engineering
- Building & Construction
- Utilities
- Property & Real Estate
- Health
- Local, State & Federal Government
- Education

Drawing & Document Management Clients

- VicTrack
- United KFPW
- BHP Billiton
- Dept Education & Training
- Major Projects Victoria
- Bayside City Council
- Victoria University
- CB Richard Ellis

Consulcad provides Document & Drawing Management Solutions - ranging from strategic advice to completely outsourced document management services. We have experience conceptualizing, delivering and maintaining Document & Drawing Management Systems for small to large organisations.

Our Drawing & Document Management experience is derived from our CAD, GIS & Drafting background some 25 years ago. Many of our staff have dual qualifications in disciplines across the Architectural, Engineering and Surveying fields.

We can offer the complete outsourcing of drawing and document control, including web-based distribution; as well as scanning, file format conversion, drafting, on-site measurements for building and facility management.

Consulcad Drawing and Document Management Services and Solutions assist our clients access, distribute and maintain their information, documents and drawings.

Consulcad are members of a range of Government Panels including:

Department of Treasury & Finance, Victoria

- Whole of Government eServices Panel
- Gateway Review Panel

Department of Treasury & Finance, Tasmania

Approved Consultant for Building Construction & Maintenance Services

Department of Transport, Energy & Infrastructure, SA

eProjects Panel

Department of Finance & Deregulation, Canberra

- ICT Management Consultant
- Gateway Review Panel

Drawing & Document Management Case Study



Industry

- Coal Mining

Project Facts

- 20+ Users
- On-site users & contractors

Challenge

- Engineering data management
- Migrate business process from legacy system
- Business continuity
- Remote location

Return on Investment

- Reduced ongoing drawing management costs
- Reduced risk of errors
- Improved stakeholder communications

Future Benefits

- Improved Drawing Management & Data Capture
- Improved storage and retrieval facilities
- Improved stakeholder communications
- Data Security

ENGINEERING CONTENT MANAGEMENT

BHP Billiton is one of the world's largest producers and marketers of export thermal coal, servicing the major power markets of Europe, Asia and the US. BHP Billiton is currently developing a new coal mine in Indonesia, Consulcad has implemented AM Meridian to deliver Engineering Content Management for this site.

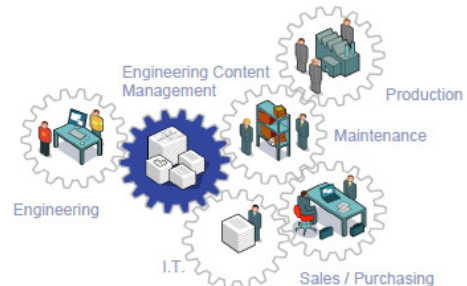
Key deliverables included:

- Installation, configuration and training;
- Definition and documentation of workflow and business processes;
- Aligned configuration with BHP Standard Engineering Practice;
- Migration of drawings and metadata from existing databases and windows folders;
- Management of cultural change;
- Business continuity management;
- Contractor access.

A requirement was to ensure all current and future contractors could work with the system but due to access constraints not all contractors will have direct access to the system. To address this Consulcad developed a process allowing contractors who didn't have direct access the ability create and submit AM Meridian compatibles drawings.

Targeted Administrator and Drawing Controller training ensured smooth system hand over, the training program included traditional functional training and also coaching on non functional aspects including business process development, on-going management of contractor access and QA Procedures.

Consulcad's existing knowledge of the mining process helped us deliver a system that meets the specific needs of a mine site managing engineering content.



Drawing & Document Management Case Study

MAJOR
PROJECTS
VICTORIA



Industry

- Health Care

Project Facts

- Construction Value \$375M
- Victoria's largest ever hospital project
- 5 year project lifecycle

Challenge

- Document & Drawing Management
- Project collaboration and cost control

Return on Investment

- Reduced project management costs
- Reduced risks and errors
- Improved project handover

Future Benefits

- Improved Facility Management
- Deploy solution on other projects

VIRTUAL PROJECT OFFICE

Major Projects Victoria (MPV), a division of the Department of Transport, supports the Victorian Government through project development and management services. MPV is involved in large scale projects with a role to manage projects from concept to completion.

The relocation of the Mercy Hospital and the redevelopment of the Austin Hospital at the same site was Victoria's largest ever public hospital redevelopment, which lasted over 5 years, and had a budget of over \$375 million dollars.

Consulcad established the Virtual Project Office (VPO) system the first of its kind in Australia and involves over 100 users, both in the Project office and remotely via the web interface.

The Virtual Project Office Software will ensure that all project information is managed throughout the design and construction phases including: Drawings, Office Documents and Correspondence, CAD Files, Photos, Memos, Budget Information, RFI's, Meeting Minutes and Document Transmittals.

"Consulcad have delivered great value for money. They are IT industry experts when it comes to Document and Project Management for construction projects. Their hands-on services have enabled us to deliver cost effective collaboration."

- Tony Michele, Major Projects Victoria

At the end of construction, all the relevant project information was handed over to the hospitals Facility Management group, for ongoing

Drawing & Document Management **VicTrack** Case Study



Industry

- Rail Infrastructure

Project Facts

- Over 250,000 Drawings
- 200+ Users
- Multiple Organisations

Challenge

- Engineering data management
- Stakeholder management
- Data Migration
- Business Continuity

Return on Investment

- Reduced project management costs
- Reduced risk of errors
- Improved project handover

Future Benefits

- Improved Drawing Management & Data Capture
- Improved storage and retrieval facilities
- Improved stakeholder communications
- Data Security

DRAWING MANAGEMENT SYSTEM

VicTrack owns all land and infrastructure in Victoria used for the purposes of public train and tram transport. It leases these assets to private transport operators through the Director of Public Transport.

VicTrack identified a requirement to bring in house their Engineering Drawing Management which was managed and maintained by an external contractor. The key deliverables were to provide improved access, control and management of the information.

With a large number of stakeholders the project required a high level of collaboration to manage and deliver the project to meet expectations. VicTrack now have a system that gives them greater control over their engineering data, based on AM-Meridian technology from Cyco.

Consulcad developed a strategy for migrating the system and data back in-house and is providing ongoing services to assist VicTrack and the Stakeholders. As part of this process a set of CAD standards were introduced to provide a consistent format of drawings, coordinates and an interface to the PASS Assets GIS at The Department of Infrastructure.

In the future, the system enables VicTrack to identify and act on areas for data improvement, and improve business process.

