

Helping you Control your CAD design workflow.



ControlCAD



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The goal is to eliminate inefficiencies, improve information provided for construction and use technology to automate processes.



BHP Billiton is controlling the deliverables from its consulting contractors



The ControlCAD Workflow

What does ControlCAD mean to Upper Management ?

Finally a management tool that has control over the CAD design workflow and instant access to results of the work delivered.

- ▶ Business Processes Improved:
- ▶ Complete distribution of CAD environment
- ▶ Overall consistency of plans
- ▶ Faster delivery time through automation
- ▶ Assured data quality
- ▶ Instant access to delivered CAD and published data

Where's the ROI ?

As a Business manager one can look to continuing improvement of current operations that will increase profits to maintain and finance growth of the business. The goal is to eliminate inefficiencies, improve information provided for construction and use technology to automate processes. ControlCAD improves current operations and increases profit by:

- ▶ Eliminating manual checking of CAD standards
- ▶ Consistent organization of data for all projects, from all sources
- ▶ Clearer communication of design intent
- ▶ Streamlined post-project electronic data management

DeployCAD

DeployCAD is a fully automated utility that enables organizations to quickly distribute drafting resources along with the CAD standards; a complete corporate CAD environment, to external consultants.

- Easy setup, delivery and installation of corporate CAD resources at head office or remote sites.
- Ensures contractors are provided with up-to-date drafting resources (symbols, text/dimension styles, border sheets, utility routines)
- Controlled and logical installation, so there is no over-writing of existing project configurations. Also provides an uninstall facility.
- CADconform owners deliver their company specific CAD standard databases.

CADconform

CADconform is an add-on for MicroStation and AutoCAD that helps projects run faster and smoother with all parties accessing the same drafting menus and everyone easily checking and fixing their own drawings. When a drawing is 100% to the required CAD standard, the drafter may apply an electronic, tamper-proof seal to the drawing.

Indexer

For each CAD file the user enters the metadata (attributes) required to populate fields for document management using the Indexer. Intuitive "windows based" user interface designed for easily adding attributes and ensures that all required attributes are indexed. Integrates easily with your document management system.

Submittal

ControlCAD Submittal is an application which generates an archive of quality assured compliant files, primarily CAD files, for upload into document management systems. A Submittal archive is a ZIP file created by the Submittal tool, containing the CAD, PDF and XML files specified. All the information in this archive can seamlessly be transported into a document management system using ControlCAD interfaces, such as the ProjectWise® Indexer.

The advantages in having all contractors use Submittal:

- Save time spent sending back non-compliant files for rework.
- Ensure that a basic level of quality assurance has been performed, eliminating the previously interactive submission process and reducing plan presentation comments.
- Documented proof that this level of quality assurance has taken place.



How ControlCAD Works

A typical workflow:

- Consultants design and draft CAD files
- Check/fix design files to the CAD standard
- Place a Watermark (seal) on each CAD file to prove its compliance
- Apply a digital signature to the CAD or PDF file
- Create a PDF file
- Index the CAD files to attach all required attributes
- Automatic generation of the management report
- Pack the files into an archive
- Automatically upload the archive into the document management system

As shown in the diagram above ControlCAD is a simple and powerfull suite that allows the management to have control by specifying, deploying and finally monitoring the CAD design work flow.

At the time of receiving deliverables, ControlCAD automates the process of checking and neatly produces a status of the project, in a graphical, easy to read interface.

This automated process significantly reduces hours of management checking time.

You now have the control to instantly see, how your project conforms to the specifications you requested.

Example Management Report

FileName	Type	Modified	Size	Cert Stamp	XML	PDF	PDF Sig	DGN Sig	Ref File
bent_certify.dgn	DGN	02-May-06 15:22	117 Kb	No stamp	Missing	Missing	n/a	n/a	OK
bent_conform.dgn	DGN	23-Oct-06 14:55	110 Kb	No stamp	OK	Missing	n/a	n/a	Missing 02.dgn
copy of test1.dgn	DGN	14-Jul-06 02:30	34 Kb	No stamp	Missing	Missing	n/a	n/a	OK
copy of test2.dgn	DGN	21-Jan-07 03:24	29 Kb	No stamp	Missing	Missing	n/a	n/a	OK
test1.dgn	DGN	14-Jul-06 02:30	34 Kb	No stamp	Missing	Unrecognized	n/a	n/a	OK
test1.pdf	PDF	21-Jan-07 03:25	30 Kb	n/a	Missing	n/a	n/a	n/a	OK
test2.dgn	DGN	21-Jan-07 03:24	29 Kb	No stamp	OK	Unrecognized	n/a	n/a	OK
test2.pdf	PDF	21-Jan-07 03:25	31 Kb	n/a	OK	n/a	n/a	n/a	OK
test2.xml	XML	04-Feb-07 01:20	1 Kb	n/a	n/a	n/a	n/a	n/a	Missing 02.dgn
test3.dgn	DGN	21-Jan-07 03:24	31 Kb	No stamp	Missing	Unrecognized	n/a	n/a	n/a
test3.pdf	PDF	14-Jul-06 02:30	34 Kb	n/a	Missing	n/a	n/a	n/a	n/a
test4.dgn	DGN	21-Jan-07 03:24	21 Kb	No stamp	Missing	Unrecognized	n/a	n/a	n/a
test4.pdf	PDF	21-Jan-07 03:25	28 Kb	n/a	Missing	n/a	n/a	n/a	n/a
test5.dgn	DGN	21-Jan-07 03:24	8 Kb	No stamp	Missing	Missing	n/a	n/a	n/a



Automated checking of requirements such as:

- Full compliance with CAD standards
- Correct Filename format
- No missing references
- Standard border
- No data outside the border
- Indexation with all required attributes (validated)
- Delivery in all the required formats (eg CAD files must also have a PDF)
- Existence of a digital signature
- Transmittal document included

Ready to go from Zero to Standards in five days?

Request a data quality audit, product demonstrations, ROI calculations, proof of concepts, and more.

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