

ASCAD[®]

Automated Standardization for Computer Aided Design

Awards / Endorsements

Winner of the Quebec Association of Municipal Engineers' 1994 Constructo Award.

Winner of the Canadian Association of Municipal Administrators' "Willis Award 1995 (Innovation excellence)"

URISA Quebec chapter supports the use of the ASCAD standard.

"ASCAD is a super assistant allowing us to work more easily because layers and symbols are already established. It is an automated tool; therefore everybody works the same way. The preparation of drawings with AutoCAD is performed four times faster since we've started to use ASCAD."

René Céré, technician/draftsman, City of Gatineau

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The National Research Council of Canada (NRC) contributed financially to the development of this software.

AutoCAD is a registered trademark of Autodesk, Inc.



Why buy ASCAD?

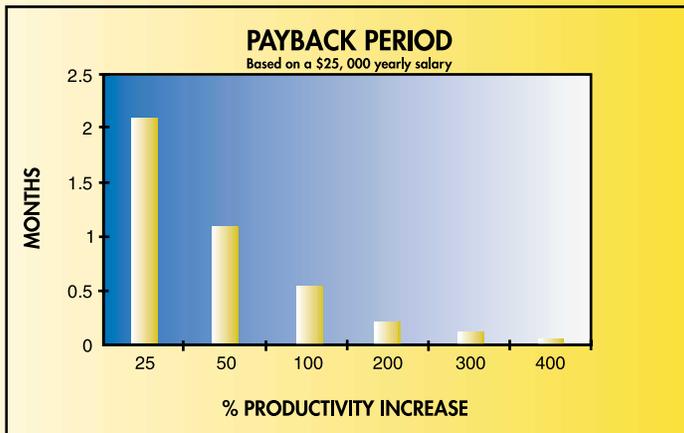
- ▶ Increases productivity up to 400%.
- ▶ Facilitates the exchange of computer generated drawings among AutoCAD users.
- ▶ Permits the transfer of AutoCAD drawings to geomatic applications.
- ▶ Available in multilingual formats.
- ▶ Optimal automated solution designed by engineers and draftsmen for CAD users of all levels.
- ▶ Supplies an automated office standard which does not require the user to have a knowledge of the blocks and layer names.
- ▶ Adapts to your existing standard via a simple two way conversion table.
- ▶ Easy to learn and can be mastered without formal training.
- ▶ Extensive automation enables the user to spend more time on the designing aspects of a project rather than on traditional AutoCAD drafting practices.
- ▶ Ensures high quality control in the creation of municipal engineering drawings.
- ▶ Simplifies the implementation of ISO 9000 in the CAD department.

What is ASCAD® ?

ASCAD is an automated graphical standard for use by engineers, surveyors and any other professional using CAD software in municipal engineering applications. ASCAD is comprised of the standard itself (a set of rules that control layers, blocks, colors, text styles, linetypes, etc.) as well as the application which permits the creation of the drawing while automatically respecting this standard. The objective of the software is to standardize drawings by automating the drafting and verification procedures. The drawings are homogeneous and structured and as a result can easily be integrated into an existing GIS system. The ASCAD application works directly from within AutoCAD and is also compatible with Softdesk.

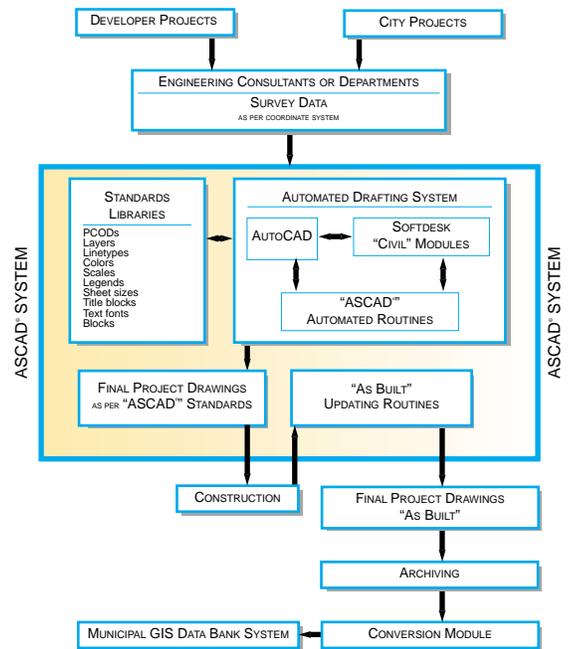
Finally, the solution!

Since the inception of computer aided drafting, integrating a universal office standard for computer drawings has been difficult; users have their own methods, layers, blocks, colors etc. In order to resolve this dilemma, ASCAD was conceived as an automated standard to assist in the production of engineering plans and to permit the transfer to GIS applications.



Integrates with the following software releases or later versions:

- AutoCAD R14
- AutoCAD Map R4
- Land Development Desktop (LDDT) R2



ASCAD's standardization components

- ▶ An extensive list of over 300 point codes (PCODs) are provided, integrated with the Autodesk Survey module. The insertion of blocks as well as the generation of graphics symbols are already programmed according to the ASCAD standard.
- ▶ A complete nomenclature and layering system composed of over 300 possible layers. Layer manipulation runs smoothly and automatically, in a transparent manner without placing any requirement on the user to keep track of layer names.
- ▶ A complete nomenclature of standard graphical blocks (over 125) distributed among several icon menus and toolbars. Each block is inserted automatically on the proper layer, at the appropriate scale. These same blocks are directly linked to description key definitions.
- ▶ A series of readily available title sheets and standard title blocks.

Note: All drawing and design standardization features are included

ASCAD supplied utility functions

- ▶ Conversion filters permitting the translation from one standard to another (for layers and blocks.)
- ▶ Production utilities for layers, blocks and LDDT points manipulation as well as polyline manipulation in 3d, etc.
- ▶ Conformity verification functions which ensure fast error correction and the management of the quality of the final drawing.
- ▶ A simple to follow methodology is suggested for drawing with AutoCAD or LDDT.