

Questions and Answers

AutoCAD® Civil 3D® software provides a better surveying, design, analysis and documentation solution for civil engineering, including land development, transportation and environmental projects. By automatically updating documentation as design changes are made, AutoCAD Civil 3D enables civil engineers, designers, drafters and surveyors to significantly boost productivity and deliver higher quality designs and construction documentation faster. With Civil 3D, the entire project team works from the same consistent, up-to-date model, so they stay co-ordinated throughout all project phases. Integrated tools for developing 3D visualisations help engineers clearly communicate design intent and create winning presentations.

Contents

1. General Product Information	2
2. Technology	5
3. Installation, Configuration and Licensing	6
4. Compatibility and Interoperability	8
5. Consulting, Training and Support	10
6. Subscription	10

1. General Product Information

1.1 When will AutoCAD Civil 3D 2009 be available?

AutoCAD Civil 3D 2009 software will be available worldwide in English (U.S. and U.K.), German and Japanese in April 2008.

1.2 When will localized versions of AutoCAD Civil 3D 2009 ship?

Autodesk plans to ship additional localized versions of AutoCAD Civil 3D 2009 and will announce the expected ship dates as the localized versions become available. Availability and distribution of content will vary by country.

1.3 What's new in AutoCAD Civil 3D 2009?

The highest priority for AutoCAD Civil 3D 2009 is to deliver a product with exceptional quality, stability and performance. In addition, there are also many new features and enhancements to preexisting features that streamline a wide range of design, drafting, surveying and hydraulic and hydrology production tasks. These improvements include the following:

Performance and Capacity

- Ability to handle larger and more complex projects
- Faster surface processing, contour generation, corridor modeling, point interaction and display, drafting, survey interaction and more

Usability

- Wizards to simplify more complex tasks
- Improved editing of model and drafting elements resulting in faster production and shorter learning time
- Targeted usability enhancements throughout product

Storm Water Hydrology and Hydraulic Design and Analysis

Three new extensions are now included with AutoCAD Civil 3D 2009 to provide a comprehensive solution for storm water hydraulics and hydrology including storm sewer design, watershed analysis, detention pond modeling and culvert analysis.

- Hydraflow Storm Sewers Extension for AutoCAD® Civil 3D® software is an easy-to-use, full-featured storm sewer design and analysis package.
- Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® software is a comprehensive solution for watershed analysis and detention pond design, from simple sites to complex watersheds with interconnected ponds.
- Hydraflow Express Extension for AutoCAD® Civil 3D® provides a collection of powerful calculators that solve everyday hydraulics and hydrology problems for culverts, channels, inlets, hydrology and weirs.

Surfaces

- Thin / Weed external point data used in surface model
- Limit surface creation with defined region
- Memory handling for larger surfaces
- Enhanced Weeding / Supplemental control of breakline data
- Compaction / Expansion calculations for volume surfaces
- Define Catchment areas of a surface
- Ability to re-order surface edit operations

AUTOCAD CIVIL3D 2009 QUESTIONS AND ANSWERS

Plan Production & Production Drafting

- Quickly label data directly through xrefs while maintaining dynamic capabilities
- Improvements that make it easier for companies to maintain local drafting standards
- Line, Curve, Spiral Anchor locations that provide increased control over point content and orientation
- Ability to create labels and tables on AutoCAD entities using Civil 3D line, curve labels Leading "0" value included in direction labels
- Include user-specified vertical geometry point labels on horizontal alignment
- Distance labels included in profile and section bands
- Enhancements to profile and section plotting and annotation
- Section editing has been enhanced to quickly modify on the fly
- Cross Section Production wizard that helps create productions sheets
- Additional section labeling enhancements
- Full section swath control

Grading

- Grading feature line label improvements
- Dynamic Link of Feature Lines to Alignments, Profiles and Corridor Models
- Broad set of tools for creating and modifying 3D geometry (feature lines, 2D and 3D plines and lot lines)
- Grading to Grading cleanup
- Ability to set Feature Line priority making grading easier
- Quickly create Feature Lines that sync with Alignment
- Adding object specific names to Feature Lines
- Calculation of feature line statistics such as linear total
- Usability enhancements to streamline creation and identify statistics

Corridor Modeling

- Improved corridor interaction, including creation of corridor regions, streamlined definition of targets and frequencies and more
- Enhanced View/Edit Corridor Section display representation
- Ability to target polylines, feature lines, survey figures, pipes
- Easily Move, Copy and Mirror corridor subassemblies
- Simplified process for adding assemblies to library
- Corridor Grading Feature Lines remain in sync with corridor
- Quickly add new region before first region in corridor properties

Alignments and Profiles

- Criteria Based Design for Alignments and Profiles
- Enhanced Criteria Based Design reports
- Stacked profiles
- Label vertical geometry and superelevation points on horizontal alignment
- Best Fit alignment and profile creation
- Additional free SCSCS, SCSSCS and SS curve/spiral groups

Pipes

- Ability to renumber pipes and structures quickly
- Create Pipe spanning labels in profile view
- Enhanced Pipe cleanup in Profile and Section View
- Drafting enhancements to better support annotation and display of multisegment (no structures) pipe networks
- Enhanced pipe and structure tables
- Improved sharing and access to pipe/structure part libraries

AUTOCAD CIVIL3D 2009 QUESTIONS AND ANSWERS

Surveying

- Quickly create Map Check reports using defined labels
- Error Tolerance reports quickly display redundant observations
- Integrated Survey Link that converts coordinate data into importable formats
- Smooth integration of survey tasks in Civil 3D model and user interface
- New, intuitive utilities to help surveyors create base geometry faster
- Additional coordinate geometry (COGO) functionality that makes it easy to create line and curve geometry
- Compatibility with third-party applications from equipment manufacturers to enable movement of field-captured data into Civil 3D and movement of the design model into the field for machine control-based construction

Model Sharing

- Data Shortcut user interface and workflow that is consistent for both users of Autodesk® Vault software and non-Vault users
- Labels generated directly through xrefs that maintain dynamic link to the Civil 3D source model
- External Data Shortcuts editor for CAD Managers
- Import, export and underlay MicroStation® DGN V7 and V8 format drawings
- Include Civil 3D render materials when exporting to Google Earth™
- Extended Civil 3D model intelligence exported to DWF™ format to support quantity takeoff and additional review capabilities
- Include Data Shortcut source files using eTransmit

Data Management

- Autodesk Vault 2009 Client and ADMS server
- Migrate Data Shortcut folders into Vault project
- Project archiving – Export Vault project to ZIP file
- Import Vault project from ZIP into local Vault project

Quantity Take-Off

- Mass Haul diagrams that remain dynamic with the corridor model
- Apply compactions and expansion factors to volume calculations when using volume surfaces

1.4 What benefits does Autodesk Vault provide to users of AutoCAD Civil3D 2009?

For companies looking for more advanced data management for their civil engineering workflow, the addition of Autodesk Vault software included with AutoCAD Civil 3D 2009, enhances the data shortcut functionality with advanced change management, version control, user permissions and archive control. For more information about Vault software included with AutoCAD Civil 3D 2009, visit www.autodesk.co.uk/civil3D.

1.5 Do I need to use Vault to share civil model data with AutoCAD Civil 3D 2009?

AutoCAD Civil 3D 2009 introduces a consistent workflow and user interface that is independent of Vault. Vault is still included and is integrated into AutoCAD Civil 3D 2009 for users who require data management capabilities. However, AutoCAD Civil 3D 2009 users can now opt to work in a data shortcut (non-Vault) environment if Vault is not appropriate for your organisation. New functionality, such as the ability to create dynamic labels in model elements that are displayed in AutoCAD® xrefs, provides organisations with even more flexibility to implement the workflow that best suits their needs.

1.6 What are the options for moving to AutoCAD Civil 3D 2009?

Autodesk offers a variety of options for purchasing AutoCAD Civil 3D 2009, including new licenses, cross-grades from AutoCAD®, AutoCAD LT®, AutoCAD® Map 3D software products, as well as competitive trade-ups. Options vary by country and region.

1.7 Which version of AutoCAD is AutoCAD Civil 3D 2009 built on?

AutoCAD Civil 3D 2009 is built on AutoCAD 2009 and therefore inherits all AutoCAD 2009 functionality.

1.8 What types of projects are best handled with AutoCAD Civil 3D?

By intelligently connecting design and documentation, Civil 3D helps users boost productivity, deliver higher-quality designs and construction documentation, improve coordination and clearly communicate design intent. Whether you are working on land development, transportation or environmental projects, Civil 3D functionality is flexible enough to be used for a variety of specialised tasks, such as landscape architecture, land use planning, golf course design and more. Also note that the performance improvements introduced in AutoCAD Civil 3D 2009 make the software suitable for larger, more complex projects.

2. Technology

2.1 Is there an API (application programming interface) for extending AutoCAD Civil 3D 2009? What data is included?

Yes. AutoCAD Civil 3D 2009 software includes the full AutoCAD 2009 and AutoCAD Map 3D 2009 software APIs as well as a broad API for Civil 3D objects and annotation. This API includes the ability to query references and create data such as point groups, surfaces, alignments, profiles, parcels and the corridor model. Full documentation of the API is included in the product as a help file. Third-party developers around the world are using this API to create new applications that extend Civil 3D.

2.2 What survey communication support is available for AutoCAD Civil 3D 2009?

AutoCAD Civil 3D 2009 includes the new Survey Link extension on the product DVD. Using the Survey Link extension, you can easily convert proprietary raw survey data into an Autodesk fieldbook (FBK) for use in AutoCAD Civil 3D. By harnessing the power of fieldbooks, you can quickly and easily import and process survey data, making the field-to-finish process even easier. Survey Link extension also allows you to work with most raw survey data formats including TDS raw data (.rw5 and .raw); Sokkia SDR Numeric 4 and SDR Alpha 14; Topcon FC-4, GTS 210/220/310 raw data and DL-100 Digital Level; Leica® GRE3 and GSI raw data; SMI; and Nikon® AP800, 700, DTM500, 400, 300 and DR48.

In addition, several third-party partner applications provide survey communication support for AutoCAD Civil 3D 2009, including Leica, Trimble Link and Carlson Connect:

- Leica X-change provides a seamless link between Leica System 1200 surveying equipment and the AutoCAD Civil 3D environment.
- Trimble Link for AutoCAD Civil 3D enables you to transfer survey and design data between the Civil 3D database and Trimble field systems, including the TSC1, TSCe, ACU Controller, Trimble CU Controller, Geodimeter™ CU600 and supported Nikon instruments. It further supports the use of Trimble site controller systems.

- Topcon Link software is an import-export utility that transfers data from the GPT7000i to a desktop or laptop for analysis or exchange with AutoCAD Civil 3D.

For more information on survey partner products, visit www.autodesk.com/civil3d

2.3 How can I access the new hydrology and hydraulic design and analysis capabilities introduced in AutoCAD Civil 3D 2009?

The Hydraflow Storm Sewers, Hydraflow Hydrographs and the Hydraflow Express Extensions for AutoCAD Civil 3D 2009 are included on the AutoCAD Civil 3D 2009 installation DVD. You can choose to install one or all of the extensions as needed.

For more information on the Hydraflow Extensions for AutoCAD Civil 3D 2009 please visit www.autodesk.com/civil3d-stormwater or refer to the Reseller Q&A on OTW: Support and Downloads\Product Downloads.

3. Installation, Configuration and Licensing

3.1 Can I install AutoCAD Civil 3D 2009 on a computer with other applications that are based on AutoCAD?

The following AutoCAD-based applications can be installed on the same system as AutoCAD Civil 3D 2009.

	2009	2008	2007	2006
AutoCAD Civil 3D	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AutoCAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AutoCAD Map 3D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AutoCAD [®] Architecture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3.2 What are the system requirements for AutoCAD Civil 3D 2009?

To maximize productivity with AutoCAD Civil 3D 2009, Autodesk recommends the following system requirements:

Recommended Configuration (excluding server components that are used with project management capabilities)

- Intel[®] Pentium[®] 4 or AMD Athlon[®] processor, 3 GHz or faster
- Microsoft[®] Windows Vista[®] Enterprise, Business, Ultimate; Windows[®] XP (SP2); (Windows XP 64-bit and Windows Vista 64-bit are supported in 32-bit compatibility mode only)
- 3 GB RAM
- 5 GB free disk space for installation
- 1280x1024 true color (OpenGL[®] accelerator with full OGL ICD support not required), 1600x1200 or greater recommended
- MS-Mouse-compliant pointing device
- Microsoft Internet Explorer[®] 6.0 (SP1 or later)
- DVD drive

Recommended Server Components (required for project management feature)

AUTOCAD CIVIL3D 2009 QUESTIONS AND ANSWERS

These components can be installed on the same computer as AutoCAD Civil 3D 2009 as long as the computer complies with these server requirements.

- Pentium 4, Xeon, Athlon 64/Opteron, 3.0 GHz or higher
- 32-bit: Windows XP Home Edition (SP2), Microsoft Server 2003 Standard/Premium (SP2), Microsoft Server 2003 R2 Standard/Premium (SP2),
- 32 & 64 bit: Windows XP Professional (SP2), Microsoft Vista Home Basic & Premium (SP1), Microsoft Vista Ultimate/Enterprise/Business (SP1), Microsoft Server 2003 Standard/Enterprise (SP2), Microsoft Server 2003 Standard/Enterprise R2 (SP2), Microsoft Server 2008 Standard/Enterprise
- 2 GB RAM
- 60 GB free disk space for installation
- MS Mouse Compliant
- Microsoft Internet Explorer 6.0 (SP1 or later)
- DVD drive
- **The preceding requirements are recommended for effective use of AutoCAD Civil 3D 2009 software.*

3.3 Can AutoCAD Civil 3D 2009 be installed from a CD?

The AutoCAD Civil 3D 2009 product package ships with DVD media only. Subscription customers also have the option to download AutoCAD Civil 3D 2009. CD media is not available.

3.4 How is Autodesk Vault installed?

AutoCAD Civil 3D 2009 includes Autodesk Vault software as part of the installation. The client installation is included in the AutoCAD Civil 3D 2009 installation DVD and the user can choose to install this component. The server component is provided on a separate DVD. Organisations should consider several issues before installing AutoCAD Civil 3D 2009, such as whether the project functionality in Civil 3D is going to be used and, if so, where project data will be stored. For more information, see the materials included in the product.

3.5 Is installation and use of Vault required with AutoCAD Civil 3D 2009?

No. The Vault project management functionality in AutoCAD Civil 3D 2009 provides an excellent data management solution, but you do not have to use it. AutoCAD Civil 3D 2009 provides a scalable approach to data management and team coordination that addresses the needs of any organisation, regardless of size or organisational structure. Starting with xrefs and data shortcuts, project team members can share model data such as surfaces, alignments and pipes and work off the same instance of a design object for multiple design tasks. For companies looking for more advanced data management for your civil engineering workflow, Autodesk Vault technology enhances the data shortcut functionality by offering advanced change management, version control, user permissions and archive control. You can also choose to add the Vault project management components at a later date. Also note that Civil 3D data reference support has been improved in AutoCAD Civil 3D 2009 to enable model sharing among different drawings and users in non-Vault-based implementations.

3.6 Do I need to purchase a dedicated server to store project data?

A Vault server can be set up in a variety of ways. Before installing AutoCAD Civil 3D 2009 software, an organisation should determine how it wants to save and share project data.

Options include the following:

- Define a local machine as the data server
- Define another production machine as the data server
- Define a dedicated machine as the data server

Where project data resides is determined during installation, but the location can be changed at any time after the software is installed.

3.7 Can Microsoft SQL Server™ be used to host Vault data?

AutoCAD Civil 3D 2009 includes an option to install the Autodesk® Data Management Server. The standard database installed with Autodesk Data Management Server limits the number of Autodesk Vault users to 10. To expand the number of users, an upgrade to the full version of Microsoft SQL Server software is required.

4. Compatibility and Interoperability

4.1 Can I open drawings created in previous versions of AutoCAD Civil 3D?

Yes. Both the drawing and Civil 3D objects are updated to the 2009 format when the drawing is opened and saved.

4.2 Can I save drawings for use in previous versions of AutoCAD Civil 3D or AutoCAD software?

An AutoCAD Civil 3D 2009 drawing can be opened directly by any application based on AutoCAD 2007 or later. However, while the drawing version is the same, the civil model version is different. Therefore users who open an AutoCAD Civil 3D 2009 drawing in AutoCAD Civil 3D 2007 or 2008 will be unable to modify or interact with the Civil 3D model. All base AutoCAD operations will be enabled.

You can export the AutoCAD Civil 3D 2009 drawing to the DWG™ format for previous versions of AutoCAD. Note that the Civil 3D model is extracted as AutoCAD primitives. AutoCAD Civil 3D 2009 provides a batch drawing converter that enables users to export and convert an entire folder of drawings on demand.

4.3 Can I share an AutoCAD Civil 3D 2009 drawing with others who are using AutoCAD 2009?

Yes. You can share AutoCAD Civil 3D 2009 drawings with AutoCAD 2009 users. AutoCAD 2009 users should install the AutoCAD Civil 3D 2009 object enabler so that you can edit Civil 3D labels in the drawing, for instance, to move the location of a label without affecting the model. When it is reopened in AutoCAD Civil 3D 2009, the drawing loses no information and all edits are in place. The object enabler is included on the AutoCAD Civil 3D 2009 software installation DVD and can also be downloaded from the Autodesk website.

Note: The AutoCAD Civil 3D 2009 object enabler can be installed only on the 2009 family of products.

4.4 What other products does the AutoCAD Civil 3D 2009 object enabler work with?

You can install the AutoCAD Civil 3D 2009 object enabler with the following products:

- AutoCAD 2009

AUTOCAD CIVIL3D 2009 QUESTIONS AND ANSWERS

- AutoCAD® Mechanical 2009
- AutoCAD® Electrical 2009
- AutoCAD Architecture 2009
- AutoCAD® MEP 2009

Note: You do not need to add the AutoCAD Civil 3D 2009 object enabler to AutoCAD Land Desktop 2009 and AutoCAD Map 3D 2009.

4.5 Can AutoCAD Civil 3D 2009 read and write DGN format files for use in MicroStation software?

Yes. AutoCAD Civil 3D 2009 can read and write MicroStation DGN format files. Note that DGN files are supported in two ways in AutoCAD Civil 3D 2009:

- Version 8 (V8) DGN files are supported using the new AutoCAD DGN capabilities. These include importing V8 files, use of V8 files as overlays and various new import-export controls.
- V7 DGN files are also now supported using the AutoCAD import-export and reference utilities.

4.6 Which version of LandXML does AutoCAD Civil 3D 2009 support?

AutoCAD Civil 3D 2009 provides LandXML 1.1 import and export support. The following data types can be imported and exported:

- COGO points
- Surfaces
- Breaklines
- Contours
- Corridors
- Horizontal alignments
- Design profiles
- Sampled ground profiles
- Design cross sections
- Sampled ground cross sections
- Pipes networks (pipes and structures)
- Monuments
- Reduced survey observations
- Parcels
- Plan features

4.7 How can I share AutoCAD Civil 3D 2009 model data with geospatial applications?

You can export AutoCAD Civil 3D 2009 data to a spatial data format (SDF) file that you can use in AutoCAD Map 3D and Autodesk MapGuide Enterprise. The AutoCAD Civil 3D 2009 alignment, point, parcel and pipe network data is converted to data objects with attributes. SDF files store data as features, which means that you are working with real-world objects rather than geometry. You can also export TIN surface models as DEM files. In addition, because Civil 3D is built on AutoCAD Map 3D, you have the ability to import a wide variety of GIS data that can be used directly in the design process.

4.8 Can I create DWF format files that can be used with Autodesk Design Review?

Yes. You can generate DWF files that include 3D elements from the model such as surfaces and corridor models directly from AutoCAD Civil 3D 2009. New in AutoCAD Civil 3D 2009 is the inclusion of Civil 3D model data in the DWF file. With this capability, other project team members, including project managers and owners, can integrate data in the model in DWF viewing applications such as Autodesk® Design Review.

5. Consulting, Training and Support

5.1 What learning and training materials ship with AutoCAD Civil 3D 2009?

AutoCAD Civil 3D 2009 software includes a collection of tools that help you get up and running quickly, such as a *Getting Started* guide that explains concepts, the help system, a PDF-format user guide, tutorials and a variety of focused feature guides. AutoCAD Civil 3D 2009 also includes a New Features Workshop that helps users of previous versions of Civil 3D learn about new and improved functionality.

5.2 Can additional learning materials be purchased?

There are several AutoCAD Civil 3D 2009 courseware guides that can be purchased from Autodesk Resellers.

5.3 Are there other resources that can help me learn more about AutoCAD Civil 3D 2009 software?

There are many resources that you can take advantage of, including webcasts and webcast CDs, reseller seminars, discussion groups, consultant programs and more. Visit www.autodesk.co.uk/civil3d for more information.

6. Subscription

6.1 Do I have to purchase AutoCAD Civil 3D 2009 with subscription?

No, you do not have to purchase AutoCAD Civil 3D 2009 with subscription. However, it is important to note that only customers enrolled in subscription receive product upgrades. There are several subscription pricing options, including single and multiyear contracts, to best meet your needs. Contact your reseller for information on Autodesk® Subscription.

6.2 What are the benefits of Autodesk® Subscription?

Autodesk Subscription is the best way to keep your design tools and learning up to date. For an annual fee you get the latest versions of your licensed Autodesk software, self-paced training options, access to subscription-only modules and a broad range of other technology and business benefits.

With Autodesk Subscription, you can take advantage of Autodesk e-Learning. These concise, self-paced, online lessons are designed to address crucial application functions and industry practices. Experts in their respective industries developed the lessons to challenge and enhance your existing knowledge. By the end of each 15- to 30-minute lesson, you will have worked with the content, demonstrated your knowledge and have access to the files used in each exercise.

Autodesk Subscription also includes direct web support. You get one-to-one online communication with Autodesk support technicians for fast, complete answers to your installation, configuration and troubleshooting questions. Web and email communications

deliver support straight to your desktop. Plus you have web access to your account, so you can track and manage questions and responses.

For more information about Autodesk Subscription, contact your Autodesk Authorised Reseller or visit www.autodesk.co.uk/subscription.

6.3 What is Home Use?

Home Use is a benefit available only to Autodesk Subscription customers. Home Use means that you, as the licensee of the software, may install a second copy of the program at a second location away from your office location under the following conditions:

- Such second location may include installation on a computer located at the home of an employee or on an employee's personal computer.
- The use of the software when installed at such second location shall be to produce work related to your internal business needs or for your employee's personal education or training needs.

This Home Use benefit applies only for as long as your software is on subscription and only to the number of licenses of the program that are on subscription.

6.4 Who is eligible for Home Use?

Subscription customers with one or more eligible products currently on subscription may use the Home Use benefit. Network license holders must apply to obtain a companion stand-alone serial number. Only commercial licenses are eligible.

6.5 What products are eligible for Home Use?

Most Autodesk products are eligible. In general, enterprise/server-based products and those that do not require activation are not eligible for Home Use. Only commercial licenses are eligible. NFR (Not for Resale) and EDU (Education) licenses are not eligible. For a complete list, visit the Subscription Center at www.autodesk.co.uk/subscription.

6.6 How do I apply for a Home Use license?

If you have a stand-alone license that you want to use at home, you do not need to apply. If you have a network license, you must apply to obtain the companion stand-alone serial number.

- **Stand-alone license holders** should install their Autodesk software on the home computer using the original Autodesk media and then use the existing serial number to obtain the appropriate authorisation code.
- **Network license holders** should fill out the Home Use License Application and send it to Autodesk as instructed. When the approval is received from Autodesk, follow the instructions.

6.7 What if a customer has a multiseat stand-alone license?

The Home Use program treats multiseat stand-alone licenses like stand-alone licenses. Customers can use their primary license serial number to activate an installation on a home machine.

6.8 Where can I get more information on Home Use?

Subscription customers can visit the Subscription Center Administration section to find more details on the Home Use benefit, including the Ancillary Service description, eligible product list and Home Use License Application.

AUTOCAD CIVIL3D 2009 QUESTIONS AND ANSWERS

Autodesk, AutoCAD, AutoCAD LT, Autodesk MapGuide, Civil 3D, DWF and DWG are registered trademarks or trademarks of Autodesk, Inc., in the USA and/or other countries. All other brand names, product names or trademarks belong to their respective holders. Autodesk reserves the right to alter product offerings and specifications at any time without notice and is not responsible for typographical or graphical errors that may appear in this document.

© 2008 Autodesk, Inc. All rights reserved.

Autodesk®