



Accelerate to BIM for Infrastructure

Are you looking to successfully implement Civil 3D into your BIM project? Do you find yourself wanting to minimize risk of failure and maximize cost efficiency? Or looking to reduce time to get production ready and automate your workflow?



Our **Accelerate to BIM** offering embraces the functionality of Civil 3D and wraps a combination of training and professional services to help you become BIM ready. We incorporate optimization of your project workflow and ensure long term success through our comprehensive support. Leading firms have recognized that purchasing Civil 3D software with training for their staff is not enough to prepare them to manage a BIM project on their own. This bundle contains the necessary ingredients to ensure your success, reduce risk and incorporate best practices to maximize the return on your investment.





Accelerate to BIM is the culmination of SolidCAD's experience helping clients adopt sophisticated design technologies. Rather than an ad-hoc approach limited to individual training-based services, Accelerate to BIM is a calculated, deliberate plan built on two key strategies:

1. Accelerate to BIM is centered around a carefully selected Pilot Project which maintains focus on your unique design workflow and business processes. The pilot project itself becomes a realistic prototype for learning and simulates characteristics common to future projects; it serves as the base for developing CAD standards in Civil 3D and is a relevant, risk free environment for applying newly learned skills.

2. Each component of Accelerate to BIM is delivered with SolidCAD's structured approach which is characterized by a three-phase cycle: **Plan**, **Execute** and **Review**. The Plan, Execute and Review cycle creates a tangible path for knowledge transfer and incremental reviews to check whether the defined deliverables meet the original expectation. Accelerate to BIM's phased approach allows for adjustments to be made to the overall plan as the project evolves.





This bundle includes the following services:

1. On-Site Assessment and Review of Selected Pilot Project

During the on-site assessment our technical team will evaluate several factors which are crucial to developing a successful training and services roadmap for your selected pilot project.

These factors include:

- Overview of Pilot Project – We determine whether the project you selected is realistic and determine whether it is useful as a template for learning.
- Project Management – After project selection is determined, SolidCAD will assign a project manager and point of contact who will be responsible for internal task assignment such as project meetings, scheduling and follow-ups.
- Outline typical Project Workflow – We will work with you to redefine roles and responsibilities of the project team and workflow.
- Project deliverables – We ensure that your project deliverables align with your requirements.

Before proceeding with a schedule of services, we will deliver a report which will highlight any deficiencies. The report will also document the proposed schedule of services and projected milestones.

2. Create Supporting Software System Components

Civil 3D cannot be operated efficiently without a working DWT file. Civil 3D comes bundled with one as a sample, but that sample does not reflect most companies' required CAD drafting standards. The number indicates the level of effort required to develop a single DWT file for use with a single

drafting standard. If you are required to submit drawings to multiple standards, multiple DWT files are required.

SolidCAD will help create and implement a new standardized system including software, templates, styles description keys, and documentation based on industry best practices for the survey and civil engineering workflow.

3. Training

Before using any new piece of software, obtaining some professional training is the best way to get off on the right foot. Our goal is to ensure that your team is equipped and ready.

You can select any of the following training for your team:

Fundamental training: This training will expose all users to the appropriate tools the software contains so that they can perform job tasks efficiently and correctly.

Advanced training: Expanding on concepts taught at the introduction level, this course broadens the user's knowledge by focusing on transportation or land development project-specific tasks which involve advanced design modeling tools and methods.

Styles and settings: Since the software requires considerable setup effort, one or two individuals within the company need to know how to perform ongoing maintenance of the DWTs in use. Please note that not all users need to have in-depth knowledge of styles.

Project Managers Training: Managers will learn to answer such questions as: How long will a project take? How should the design team be distributed at each phase of the project? What should be expected from project consultants? Navigation, commands, strengths and limitations of Civil 3D software are covered in detail.

4. Post & Pre-Implementation Support

At SolidCAD, our goal is to carefully plan work (via a SOW) and execute work according to the SOW. Having a planned preset bucket of resources mitigates the risk of project post-go-live issues. Having this resource in place ensures priority support and can be used to cover out-of-project-scope issues. At SolidCAD we offer you the following post implementation support throughout the duration of your project:

Mentoring Services: Exercising newly learned skills and processes on a real-world project can be daunting for any user. In fact, the learning continues well beyond the structured training programs which are part of the overall Civil 3D implementation plan. On-site mentoring services are the most effective way to resolve obstacles while expanding the learning process. Our skilled experts provide on-the-fly problem solving and training specific to unique situations as the pilot project advances. Mentoring can also include regularly scheduled meetings with your project team to answer questions and provide guidance while helping with next-step planning.

SolidCAD Technical Support and Remote Services:

SolidCAD delivers comprehensive support services during regular business hours via toll free telephone number or email. Our team of experts will promptly respond to your needs, investigate the problem and offer practical solutions and workarounds to minimize downtime. Depending on the nature of the problem, we utilize remote access technology which enables us to take remote control of an end-user workstation giving us much more flexibility in troubleshooting problems.

5. Workflow Automation

Workflow Automation frees up resources so that workers can focus on innovation vs. repetition. SolidCAD uses Safe Software's FME Platform to integrate and combine technical and business processes into seamless workflows.

6. SolidCAD Civil Tools

In addition to these services, this package also includes SolidCAD's Civil Tools. A collection of specifically designed add-ons that will help improve productivity when working with Civil 3D Alignments, Profiles, Feature Lines, Pipe Networks and earthworks volume calculations. These time saving tools will help you increase productivity when working with Civil 3D pipe networks, including multiple pipe editing tools, import and export pipe networks to excel spreadsheets, pipe interference and pipe depth checks with full reports. Visit our [Civil Tools](#) web page for more information.



If you have any questions or would like to get a quote, please call us at 1.877.438.2231 and ask to speak to one of our representatives or e-mail us at sales@solidcad.ca

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