

Technology Consulting Services

Implementation and Project Consulting

CivilTraining, LLC

a DAVEY company

With over 25 years of experience in technology consulting services, CivilTraining, LLC provides broad expertise for civil engineering, surveying, general CAD, and project-specific tech requirements.

Our services include:

- AutoCAD® Civil 3D® implementation
- CAD standards development and deployment
- Survey CAD setup and field crew training
- CAD process evaluation
- GIS database development and solutions
- Standards and practices development
- Custom documentation
- CAD customization, configuration and deployment



CivilTraining, LLC assists surveyors in utilizing available technology to perform field and office tasks more efficiently. Our business began supporting surveyors on AutoCAD 9 and DCA, and our commitment to our surveying customers has never changed. CivilTraining, LLC understands the importance of a highly-productive survey workflow, and our relationships with field personnel shape our approach to survey automation. Our expertise includes:

- 🔧 Development of field coding libraries and integration with CAD and Data Collectors/GPS
- 🔧 Field linework generation – procedures development and training
- 🔧 Documentation and training practices for TIN generation and contouring
- 🔧 Survey implementation of AutoCAD Civil 3D
- 🔧 Survey department project workflow
- 🔧 Survey practices for GIS, tree inventories or other data-rich project requirements

CivilTraining, LLC's CAD consulting experience has helped a wide variety of clients ranging from sole proprietors to the largest international engineering firms, as well as local, state and federal government agencies. Our clients include US Army Engineering Brigades and well-known international theme parks. CivilTraining, LLC has hands-on experience in the integration of CAD technologies with machine control grading, GIS and Building Information Modeling (BIM). Some of the CAD consulting services provided to recent clients are listed on the reverse side, along with information on Civil 3D implementation.



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CivilTraining, LLC

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Wetland Studies and Solutions, Inc. a DAVEY company

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Recent Consulting Projects by CivilTraining, LLC

AutoCAD® customization, linetypes, sheet sets, symbol libraries, menu interfaces - numerous clients
Automated Xref management solution - engineering clients
CAD configuration and deployment - engineering and surveying clients
CAD process and workflow evaluation - engineering client
CAD standards development, deployment and GIS integration services – Pennsylvania Turnpike Commission
Civil 3D® Implementation - various engineering and surveying clients
Custom documentation - engineering and surveying clients
Custom project specific software applications - engineering clients
Design CAD training and support, facilities management database development – major international entertainment company
Electric, natural gas and water system mapping – Philadelphia Gas Works, PA; City of Hazelton, PA; Bath Electric, Gas & Water, Bath, NY
GIS database development and solutions - Office of Real Property Tax Services, Orange County (NY), various engineering and mapping clients
Nationwide CAD standards development and deployment - major landfill engineering client
Project folder creators - numerous engineering and surveying clients
Standards and practices development - various engineering clients
Stormwater inventory field survey setup and GIS development – US Federal Aviation Authority
Survey Field-to-Finish setup and implementation - various surveying clients
Utility distribution mapping setup and GIS integration – City of Philadelphia, PA

Building a Successful Civil 3D Implementation

CivilTraining, LLC takes a consultative approach to working with clients to build a Civil 3D implementation rather than trying to fit their needs into a pre-built template. Using an off-the-shelf template provided by others misses the opportunity to incorporate company CAD standards, settings and plan requirements into the process.

Our experience with Civil 3D provides a fast-track to the setup and configuration of the program. Our past experience of working with numerous and varied clients on styles, settings and project requirements results in making your implementation process much shorter, less painful and less expensive.

A Civil 3D implementation project with CivilTraining, LLC begins with a no-cost consultation with the key players. We identify the individual needs of our clients in their Civil Engineering, Surveying and GIS/Mapping practices. Drawing on our experience with previous projects, we take time to explore a variety of topics others may ignore, such as project file structure and network folder creation, project management and workflow, drawing file organization and file size considerations, drafting requirements and CAD standards.

Most firms have personnel who can develop the majority of the styles, settings and templates that will be required for a Civil 3D implementation. Although we can provide a turn-key implementation if desired, our preference is to work with the client's staff, providing them with the guidance required to handle the majority of style creation in Civil 3D. Over a series of two or more consulting days, we can work with a client's staff to handle the actual preparation of styles and incorporate CAD standards and drawing requirements into templates customized to the client's requirements. CivilTraining, LLC will prepare a phased plan for your Civil 3D implementation project through deployment, testing, training and follow-up support. Along the way, we draw on our experience with related topics, such as the use of document management products, programming custom tools for project folder creation and user rights management, using the AutoCAD Sheet Set Manager in a Civil environment and the automated management of Xref's to reduce individual drawing size and increase performance.

Consider CivilTraining, LLC as your source for a more personalized and cost-effective Civil 3D implementation.

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