

## Field-to-Finish in Civil 3D with SmartDraft PConnect – 1.0 Hours

### Workshop Description

#### Summary

This session explores the use of SmartDraft® PConnect with AutoCAD® Civil 3D® to provide an easy-to-use system for field-generated symbols, linework and breaklines. Used in conjunction with the point and symbol management in Civil 3D, PConnect provides direct coding of 2D plan and 3D terrain modeling data without changing current field practices. This class examines the setup and best practices of a Civil 3D-PConnect system within both products, and offers guidance for utilizing the solutions based on real-field crew experience.

#### Topics and Schedule

##### Civil 3D Survey Point Management

Point Object Concepts – Object and Label Styles  
Civil 3D Description Keys, Styles, Layers and Display

##### SmartDraft PConnect Linework

PConnect Concepts  
PConnect Coding and Description Keys  
PConnect Control Codes

##### Fieldwork Examples and Practice

Importing Fieldwork and Automated Drawing Management

#### Learning Objectives

1. Participants will be able to create Civil 3D Survey point management description keys using the sample survey project data used in the course.
2. Participants will be able to create SmartDraft PConnect linework description keys using the sample survey project data used in the course.
3. Participants will be able to create sample point codes and field work for symbols and linework using the sample survey project data used in the course.
4. Participants will be able to create breaklines for terrain modeling using the sample survey project data used in the course.

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| <b>FIELD-TO-FINISH IN CIVIL 3D</b>           |           |
| <b>WITH SMARTDRAFT PCONNECT – ONE HOUR</b>   |           |
| Overall Course Length                        | 1.0 Hours |
| Instructional Time                           | 1.0 HOURS |
| <b>PROFESSIONAL DEVELOPMENT HOURS (PDHs)</b> |           |
| New York State Land Surveyors                | 1.0 PDHs  |
| New York State Professional Engineers        | 1.0 PDHs  |



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