

## MicroStation V8i for CAD Managers

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**Course Type:** Classroom – Hands on

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**Products Covered:** MicroStation

**Course Description:** **Target Audience:** Administrator; Analyst; Application Developer; Architect; Architectural Designer; Architectural Engineer; Civil Engineer; Civil Engineering Technician; Construction Site Worker; Consultant; Designer; Design Engineer; Drafter; Electrical Designer; Electrical Engineer; Facility Manager; GIS Market Analyst; GIS Specialist; Hydraulics Engineer; Imaging Specialist; Instrumentation Drafter; Instrumentation Engineer; Manager; Mechanical Engineer; Mechanical Engineering Designer; Naval Engineer; Pipe Stress Engineer; Piping Designer; Piping Drafter; Planner; Plant Administrator; Plant Engineer; Process Engineer; Product Designer; Project Manager; Site Developer; Structural Designer; Structural Engineer; Structural Engineering Technician; Surveyor

MicroStation V8i for CAD Managers is a comprehensive course for managers of multi-user MicroStation-based (or hybrid) CAD installations. This course examines in detail the tools and procedures that allow complete control over the installation, appearance and operation of MicroStation. Running throughout the course is the development of a best practice CAD work environment constructed step-by-step as each topic is discussed. In addition, users attending will receive advice on how to manage their environment, as well as their users and customers, in order to maximize productivity, achieve targets and develop team member abilities.

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**Learning Objectives:**

After this course users attending will be able to:

- Create an efficient and intuitive operating environment for all members of the design team or larger organization
  - Provide integrated company standards deployable across the entire corporate organization
  - Maintain strict segregation between the custom environment developed on site and the core Bentley delivered software resources
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**Course Topics:**

PART 1: Installations and Design File Components

- Installation of MicroStation and SELECTserver
- The Design Library File
- Working with Levels
- Text and Dimension Styles
- Working with Cells
- Creating the Corporate Standards DGNLIB File
- Developing Project Standards through Seed Files

- Customizing the MicroStation Line Styles
- Using Element Templates for Standards Management
- Dynamic View Administration

#### PART 2: Workspaces and Plotting

- Exploring the MicroStation Workspaces
- Best Practices
- Defining an organization-wide Workspace
- Customizing the Graphic User Interface
- Structured Workflows and Named Expressions
- Managing MicroStation Printing
- BatchPlot

#### PART 3: Applications and Useful Utilities

- VBA and MDL
- Integrating Applications into the Workspace
- The Art of Remapping and Batch Processing
- Archival Operations using Packager

#### PART 4: Powerful Project Environment Enhancements

- Design History
- File Protection
- Digital Signatures and Digital Rights
- Internet Related Operations
- Trouble Shooting the Work Environment
- Trouble Shooting MicroStation Design File



#### **Course Prerequisites:**

#### **Course Details:**

- MicroStation Essentials
- MicroStation for Advanced Users



Learning Units: 32

Display LUs in: hours