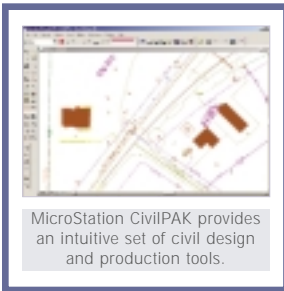


# MICROSTATION® CONFIGURATIONS



## Building upon the best design and engineering platform in the world

Bentley extends MicroStation® with specialized feature sets called MicroStation Configurations, which can be applied to a variety of design and engineering tasks in building, plant, civil and geospatial workflows. Each MicroStation Configuration is a discipline-specific extension for MicroStation, designed to make you more productive and AEC content more valuable.



- **MicroStation® CivilPAK®** provides a flexible set of civil design tools that complement the workflows of both the Bentley® GEOPAK® and Bentley® InRoads® product families.
- **MicroStation GeoGraphics®** provides a geospatial environment with premier mapping, spatial and attribute data collection, editing, cleanup and analysis tools.
- **MicroStation Schematics®** offers an intelligent, integrated approach to creating plant and building engineering schematics.
- **MicroStation® TriForma®** provides an intelligent 3D modeling, drawing extraction, and reporting environment for buildings, plants, structures and manufacturing facility applications.



### Focused, Industry-specific Solutions

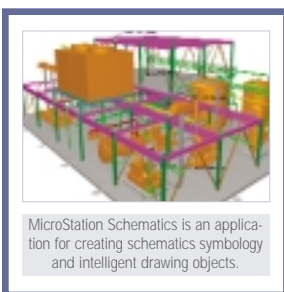
MicroStation Configurations leverage existing MicroStation technology within a focused environment and add tools that increase your ability to leverage design and engineering data.

### Enabling Technology for Specialized Applications

In addition to complementing the already powerful features of MicroStation, MicroStation Configurations enable an easy migration to Bentley's specialized applications.

### No-charge Add-ons to MicroStation

MicroStation Configurations are available at no charge to Bentley SELECT® subscribers who purchase new MicroStation licenses or upgrade existing covered MicroStation licenses. In addition, Bentley SELECT<sup>SM</sup> subscribers may exchange their MicroStation Configurations at any time during the active SELECT contract agreement, allowing organizations to effectively tailor their software assets based upon changing project requirements.



## MICROSTATION CONFIGURATIONS AT-A-GLANCE



MicroStation TriForma is 3D form modeling, documentation, and reporting software for design and engineering.

Image courtesy of: Thomas Tsai

### SYSTEM REQUIREMENTS

- Prerequisite: MicroStation v8.1 or higher
- Processor: Intel® Pentium®-based or AMD Athlon™-based PC or Workstation
- Operating System: Microsoft Windows® XP Professional, Windows 2000 (SP2 or higher recommended\*), Windows NT®4 (SP6 or higher recommended\*), Windows Me, Windows XP Home Edition, or Windows 98 Second Edition\*\*
- Memory: 128 MB RAM
- Disk Space: 200 MB minimum free disk space
- Input Device: Windows pointing device
- Output Device: Works with Windows-supported output devices
- Video: Supported graphics card. Dual screen graphics supported with vendor-supplied drivers for Windows NT4. Multi-monitor configurations supported with Windows 98 and Windows 2000

\*Required for digital rights  
\*\*Digital rights not supported

### MicroStation CivilPAK

- Digital Terrain Modeler
  - Digital terrain model creation and visualization
  - Multiple data source support without translation
  - Support for MicroStation graphics for ground surface modeling
- Dynamic Alignment Design
  - Horizontal and vertical alignments
  - Graphical data viewing and dynamic editing
  - Direct import of MicroStation elements into coordinate geometry
- Plan Preparation tools
  - Labels and tabular data
  - Automatic cutting of plan and profile sheets with aerial imagery
  - Storage for design and drafting standards
- Data Analysis and Reporting
  - Industry-standard report generation tools
  - Terrain analysis
  - Station/offset tracking and reporting

### MicroStation GeoGraphics

- Oracle® Spatial Integration
  - Integration with Oracle8i™ and Oracle9i™ Spatial datastores
  - Compatible with Oracle9i Spatial Standard Edition Locator capabilities
  - Multiple data storage modes in Oracle Spatial, including MicroStation high-fidelity and Oracle Spatial pure geometry mode
- Flexible Customization
  - Rich API portfolio
  - Support for Microsoft® Visual Basic for Applications
  - Also supports MDL®, MicroStation BASIC and GeoScripts™
- 2D and 3D Spatial Data Support
  - Single, unified environment for 2D and 3D mapping data
  - Import/Export of industry-standard GIS formats
  - On-the-fly coordinate projections
- Data Analysis
  - Spatial analysis tools
  - Network tracing functionality
  - Thematic resymbolization for automatic symbolization, classification and legend creation
- Mapping Capabilities
  - Support for unlimited number of predefined layers
  - Feature-based and seamless mapping
  - Full integration with Bentley raster and publishing products for high-definition mapping and visualization

### CALL TODAY FOR MORE INFORMATION

Bentley Systems, Incorporated, is a global provider of collaborative software solutions that enable our users to create, manage and publish architectural, engineering and construction (AEC) content. As a part of those solutions, Bentley provides professional services including implementation, integration, customization and training.

Visit us on the Web for more information about Bentley solutions and services. [www.bentley.com](http://www.bentley.com)

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### MicroStation Schematics

- Intelligent Drawing Creation
  - Rules-based intelligence resulting in intelligent object models
  - Standards-based drawing creation and conformance checking
  - Interactive tools for processing existing schematic drawings
  - ODBC-based component tagging
- Data Source Integration
  - Support for DGN, DWG and DXF formats
  - Easy connections to external ODBC database sources
  - Support for object model links to scanned images, vendor drawings, digital photographs, video and audio information
- Powerful Reporting
  - Report and schedule generators within DGN files
  - Native dBase reporting support
  - Reporting support for ODBC-compliant and legacy databases
- Customization
  - Included MDL-based development tools
  - VBA and MicroStation BASIC support
  - Toolbox and menu builders for fully customized user interface

### MicroStation TriForma

- Rules-based Extractions
  - Rules-based extractions of drawings, reports and schedules
  - Intelligent resymbolization for graphic simplification
  - Workflow support for independent changes to extractions and models
- A Common, Integrated Model
  - 3D solid modeling, optimized for building and plant design
  - Dynamic links between model and associated drawing and reports
  - Interference checking between disciplines
- Powerful Reporting
  - Report export to spreadsheet or database management software for analysis
  - User-defined reporting templates
  - "What If" analysis of cost and design implications without changing the model
- Diverse Project Team Support
  - Referencing of disparate data—3D models, 2D drawings, Microsoft Excel spreadsheets—from numerous team members
  - Instantaneous revision storage
  - Read and write of STEP AP203/AP214, DWG, DXF, IGES, Parasolid XT, ACIS, SAT, VRML, CGM, SVF

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