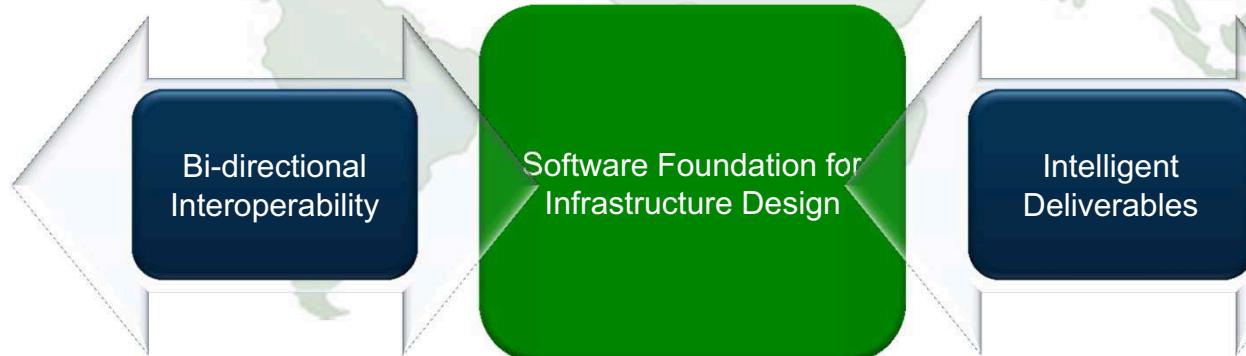




# Discover the Value in MicroStation V8i (SELECTseries 2)

# MicroStation V8i Core Capabilities

- Core capabilities enable infrastructure practitioners to...
  - Interoperate using information from multiple sources
  - Design intuitively based on common standards and processes
  - Publish high quality interactive deliverables and work packages

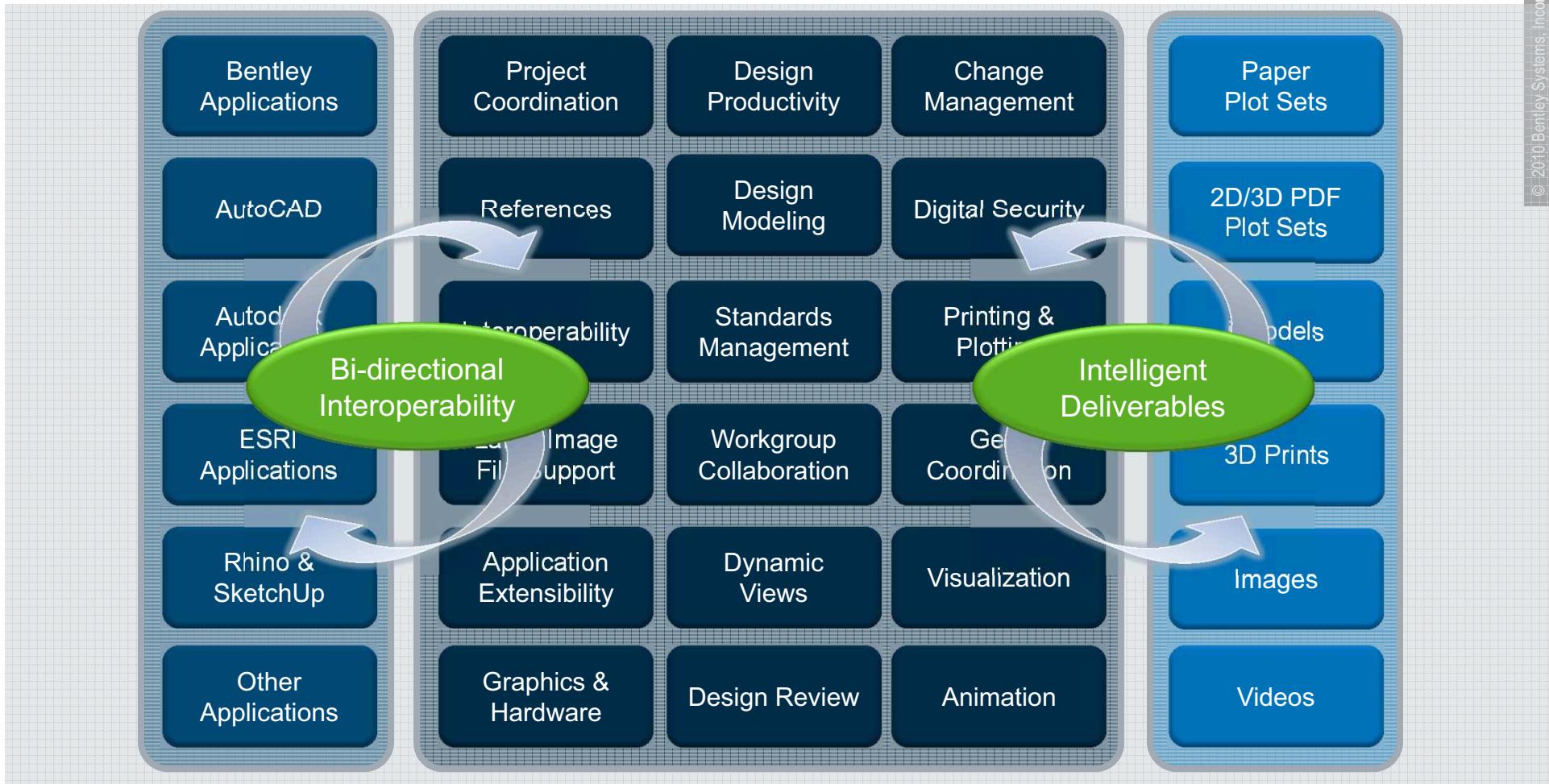


# MicroStation V8i Extending Your Value

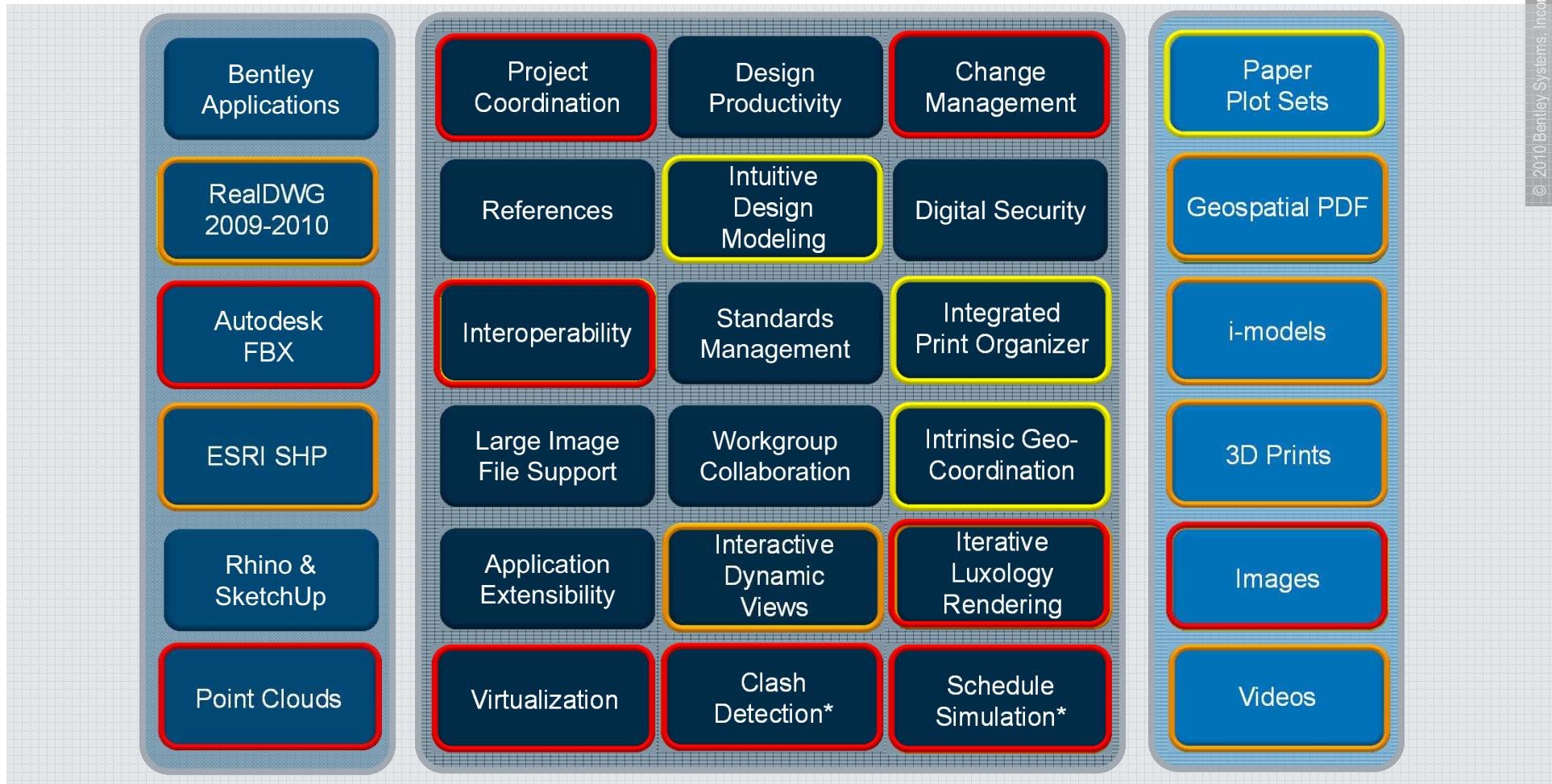
© 2010 Bentley Systems, Incorporated



# MicroStation V8i Extending Your Value



# MicroStation V8i Extending Your Value



MicroStation V8i

(SELECTseries 1)

(SELECTseries 2)

\* Requires  
ProjectWise Visa

# MicroStation V8i

November, 2008 – (V8.11.0)

- **Interoperable Software**
  - AutoCAD 2009
  - Import 3DM (Rhino)
  - Export OBJ
- **Intuitive Design Modeling**
  - Intuitive New Modeling tools
  - Precise Freeform Modeling tools
  - GenerativeComponents Extension
- **Interactive Dynamic Views**
  - Annotation and Detailing tools
  - Linked Sections
  - 3D Model Visualization
  - Display Styles
- **Integrated Print Organizer**
  - Print Styles
  - Multi sheet, hierachal PDF Support
  - Print Organizer Client
- **Intrinsic Geo-Coordination**
  - Geospatial Referencing
  - Web Map Server Support
  - GPS Device Support
- **Iterative Luxology Rendering**
  - Physically Correct Materials
  - Light Manager
  - Render Setups
  - Distributed Rendering

# MicroStation V8i (SELECTseries 1)

November, 2009 – (V8.11.7)

- **Interoperable Software**
  - Autodesk ® RealDWG 2009
  - Autodesk ® Object Enablers
  - ESRI SHP Files
  - Item Browser Dialog
- **Intuitive Design Modeling**
  - 3D Printing
  - GenerativeComponents Extension
- **Interactive Dynamic Views**
  - Drawing Automation
  - Drawing Model
- **Intrinsic Geo-Coordination**
  - Geospatial PDF
- **Iterative Luxology Rendering**
  - Complete integration
  - Camera Speed Control
  - Animation Tone Mapping
- **Insightful Design Review**
  - Overlay files
  - Mark up Manager
  - i-models

# MicroStation V8i (SELECTseries 2)

July, 2010 – (V8.11.7)

- **Interoperable Software**
  - Point Clouds
  - Autodesk ® RealDWG 2010
  - Autodesk ® FBX
- **Intuitive Design Modeling**
  - GenerativeComponents Extension
- **Intrinsic Geo-Coordination**
  - Define Placemark Monuments
- **Iterative Luxology Rendering**
  - Render Output Channels
  - User Interface Optimization
  - Animation improvements
- **Insightful Design Review**
  - ProjectWise Clash Detection
  - ProjectWise Schedule Simulation
- **Improved Deployments**
  - Citrix Ready Verification
  - Update Installs

# MicroStation V8i (SELECTseries 2)

- **Increased Productivity**

- View Different Models
- Reference Activation
- Raster References as Elements
- Edit Text in Cells
- Coordinate Cell
- ALT+DATA to Match Settings
- Display Sets
- Display Styles
- Change Reference Presentation
- Color Preferences
- New Color Books
- Drag and Drop to Attribute Pickers
- Drag selection support during manipulate commands
- Selection Overlap mode is right to left
- Quick Info
- Pin and Roll Tabs
- Transparent Toolboxes
- Dialog Docking
- Right click context menu
- Eye Dropper
- On The Fly Links
- Reference View Flags
- Remap Elements in Level Manager
- Snapmode as preference
- Jump to Active Level
- Element Selection Tabs
- Named Groups (Quicksets) for References
- Save As Image with Display Styles

# MicroStation V8i Product Line

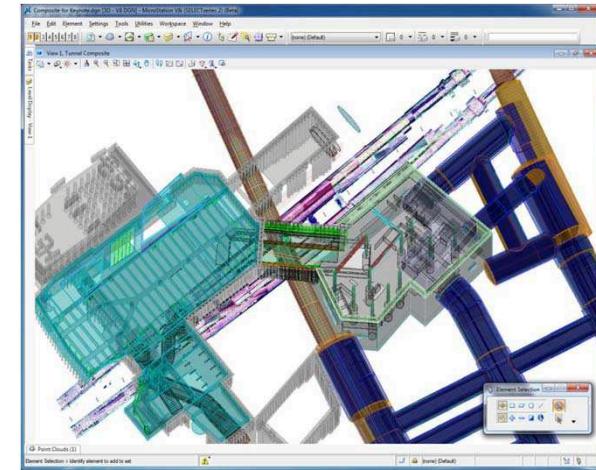
- MicroStation PowerDraft V8i
  - is a professional-level product used for production 2D drafting and detailing for creating, editing, and manipulating drawings and models in DGN or DWG format.
- MicroStation GenerativeComponents Extension V8i
  - is an associative parametric modeling system used by architects and engineers to automate design processes and accelerate design iterations.
  - enables architects and engineers to pursue designs and achieve results that were virtually unthinkable before.

# MicroStation V8i (SELECTseries 2)

Interoperable Software

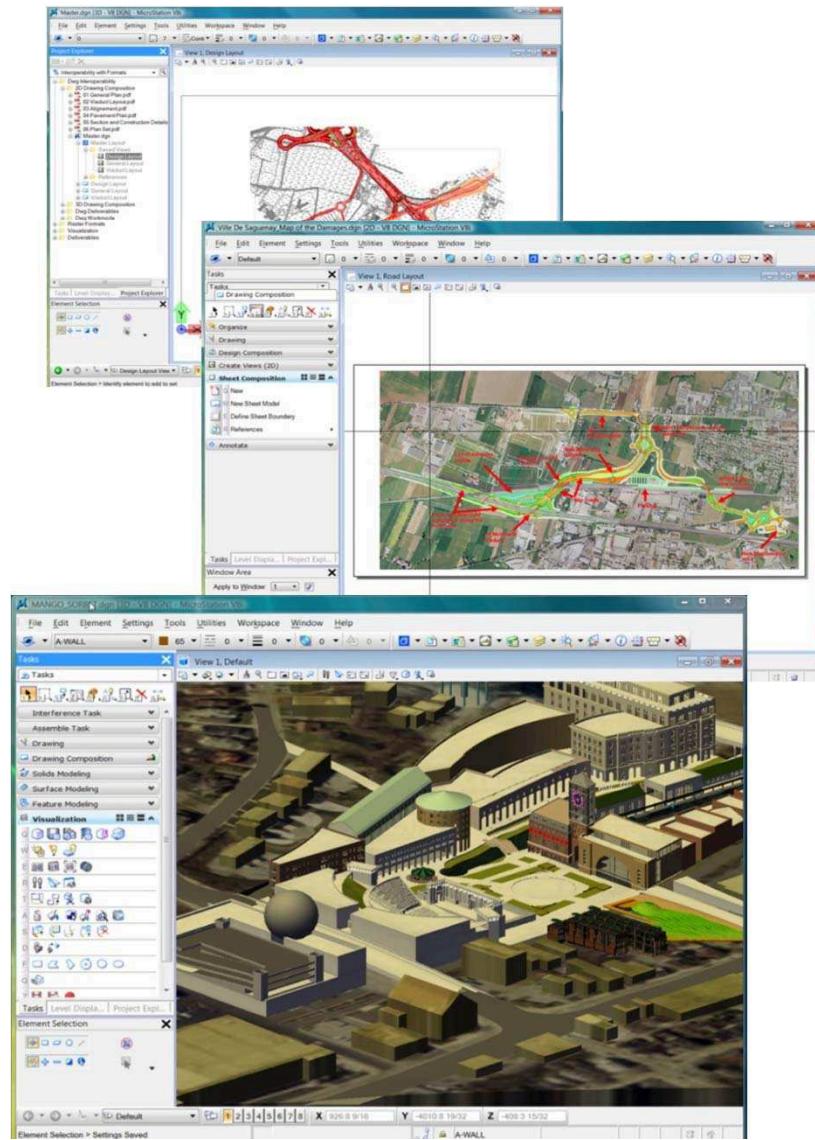
# MicroStation V8i (SELECTseries 2)

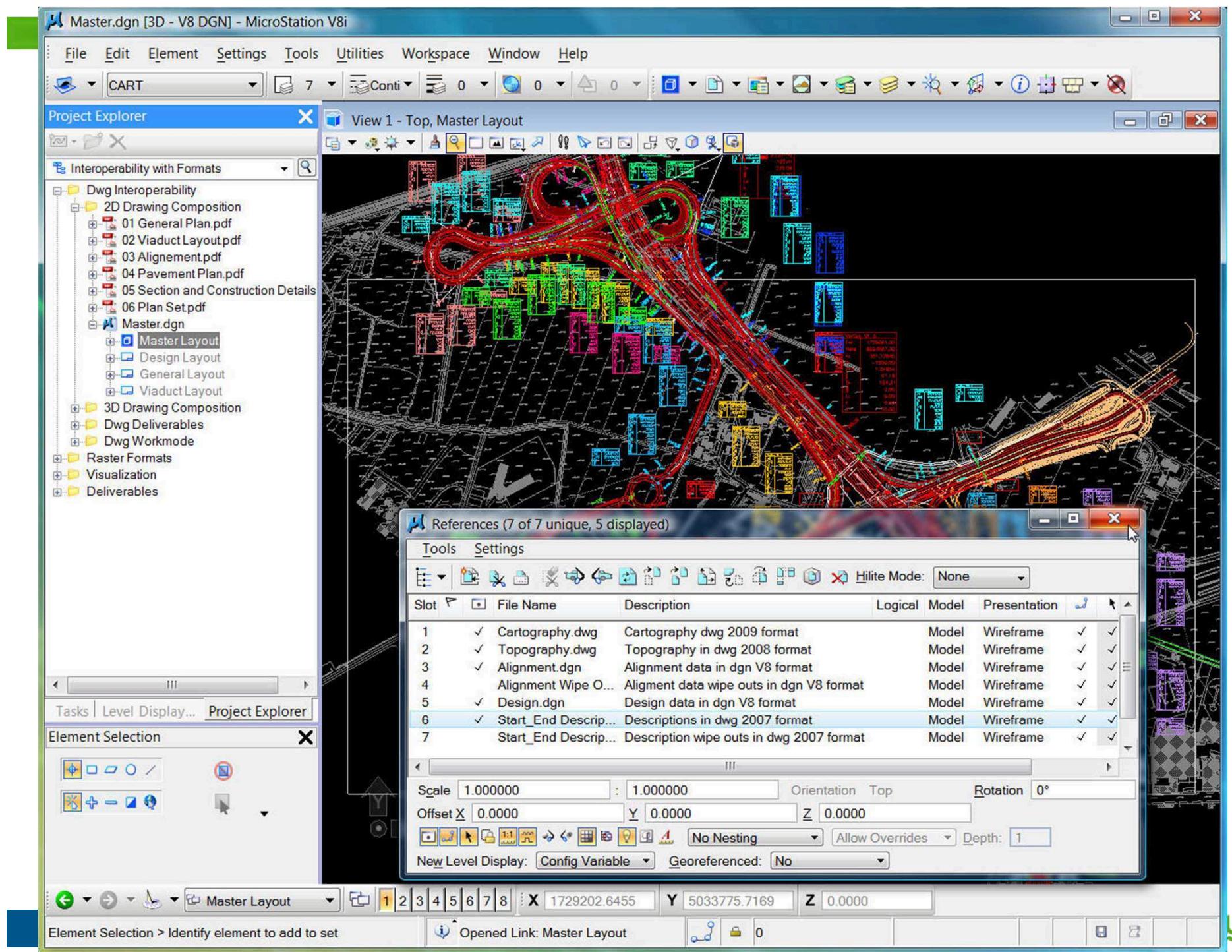
- Interoperable Software
  - Autodesk ® RealDWG Libraries
  - Autodesk ® Object Enablers
  - ESRI SHP Files
  - Item Browser Dialog
  - Import 3DM (Rhino)
  - Export OBJ
- New in MicroStation V8i (SELECTseries 2)
  - Point Clouds
  - Autodesk ® RealDWG Libraries
    - 2010 Delivered with product as default for (SELECTseries 2)
    - 2009 Delivered with product as option for (SELECTseries 2)
    - 2011 Will be available as an update for (SELECTseries 2) following the release
  - Autodesk ® FBX file support

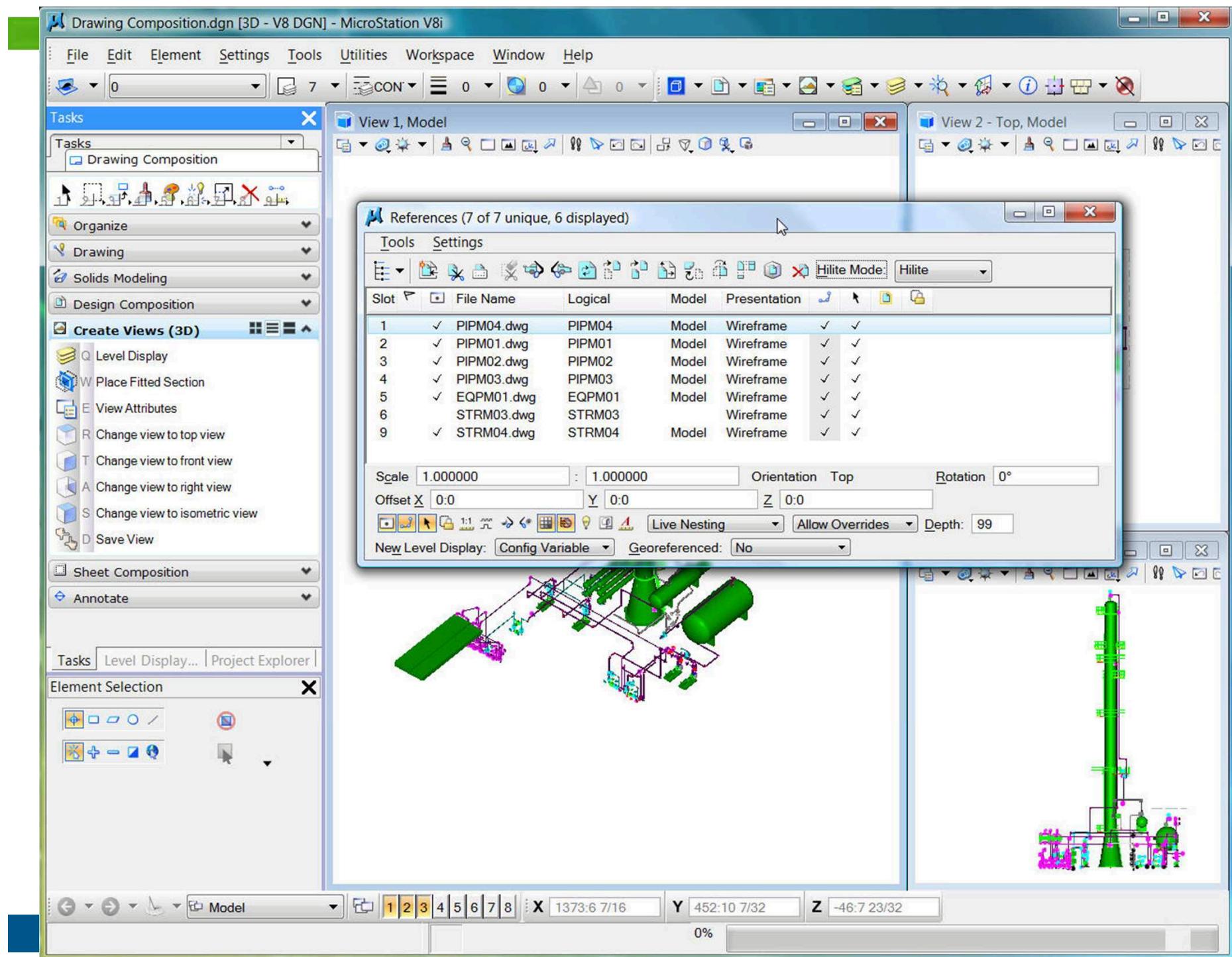


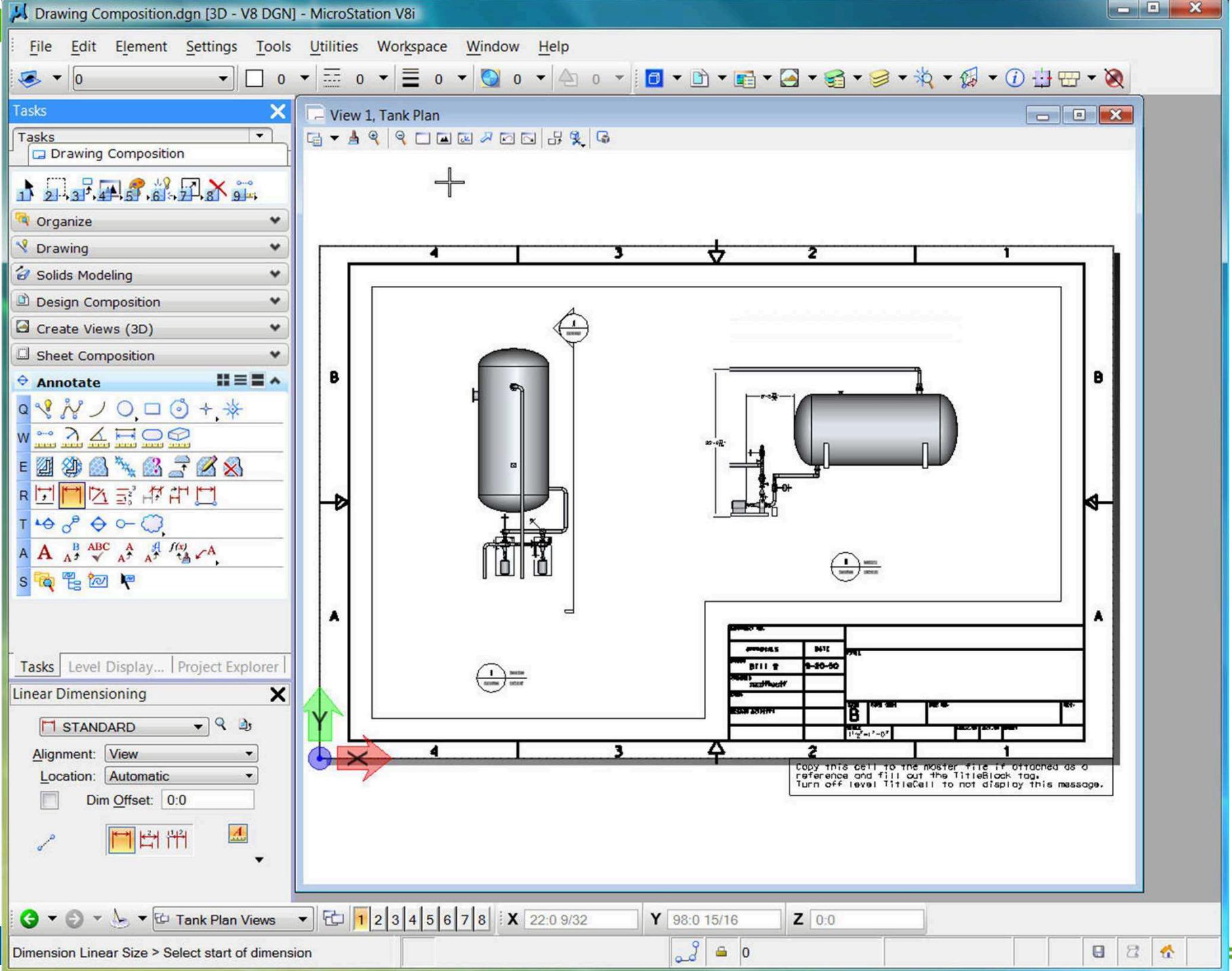
# Why Interoperate?

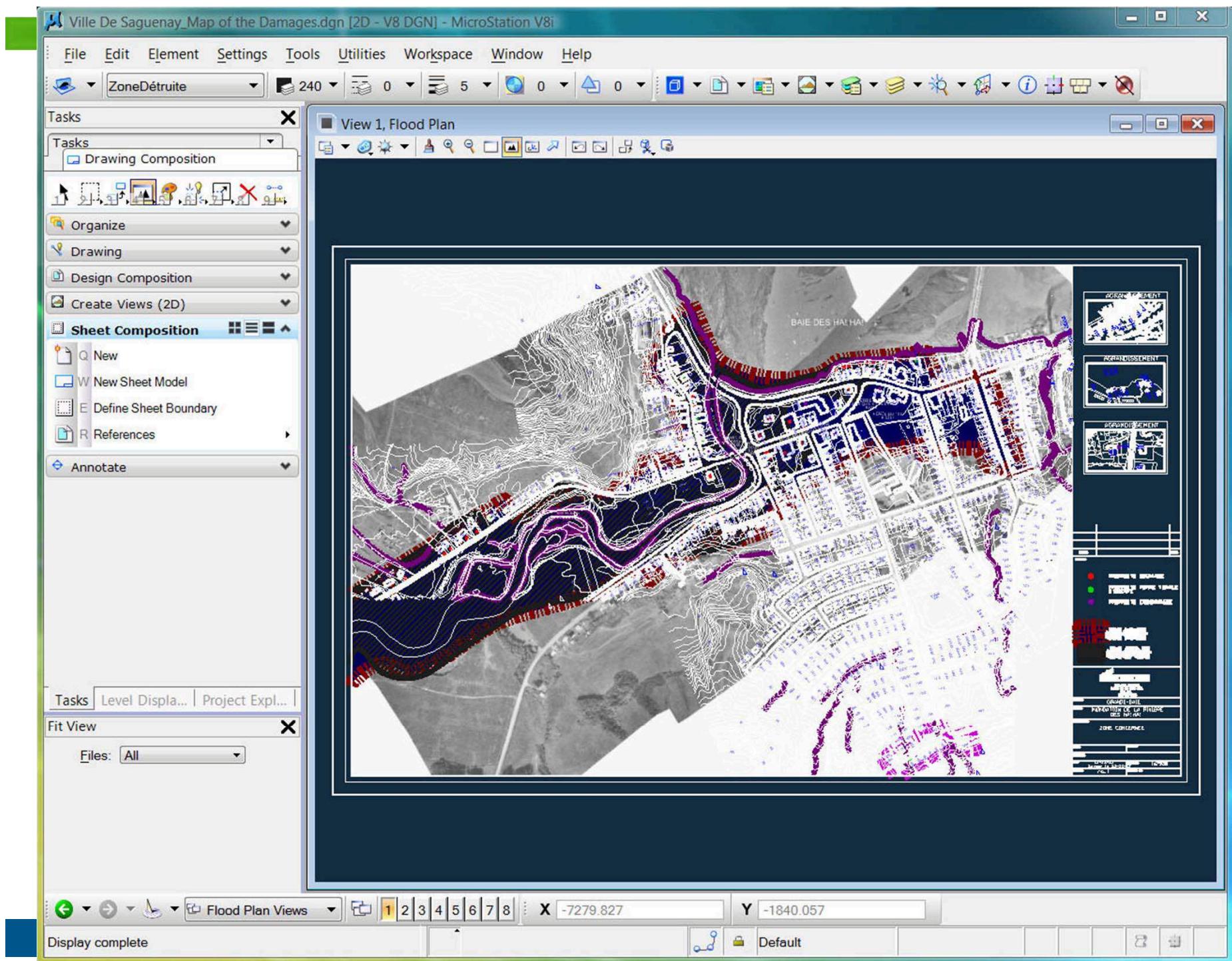
- Share work efficiently across a multi-discipline team that has diverse project needs
- Develop designs accurately in full project context without unnecessary rework
- Maintain project intelligence and avoid lossy translations as information is transferred between applications

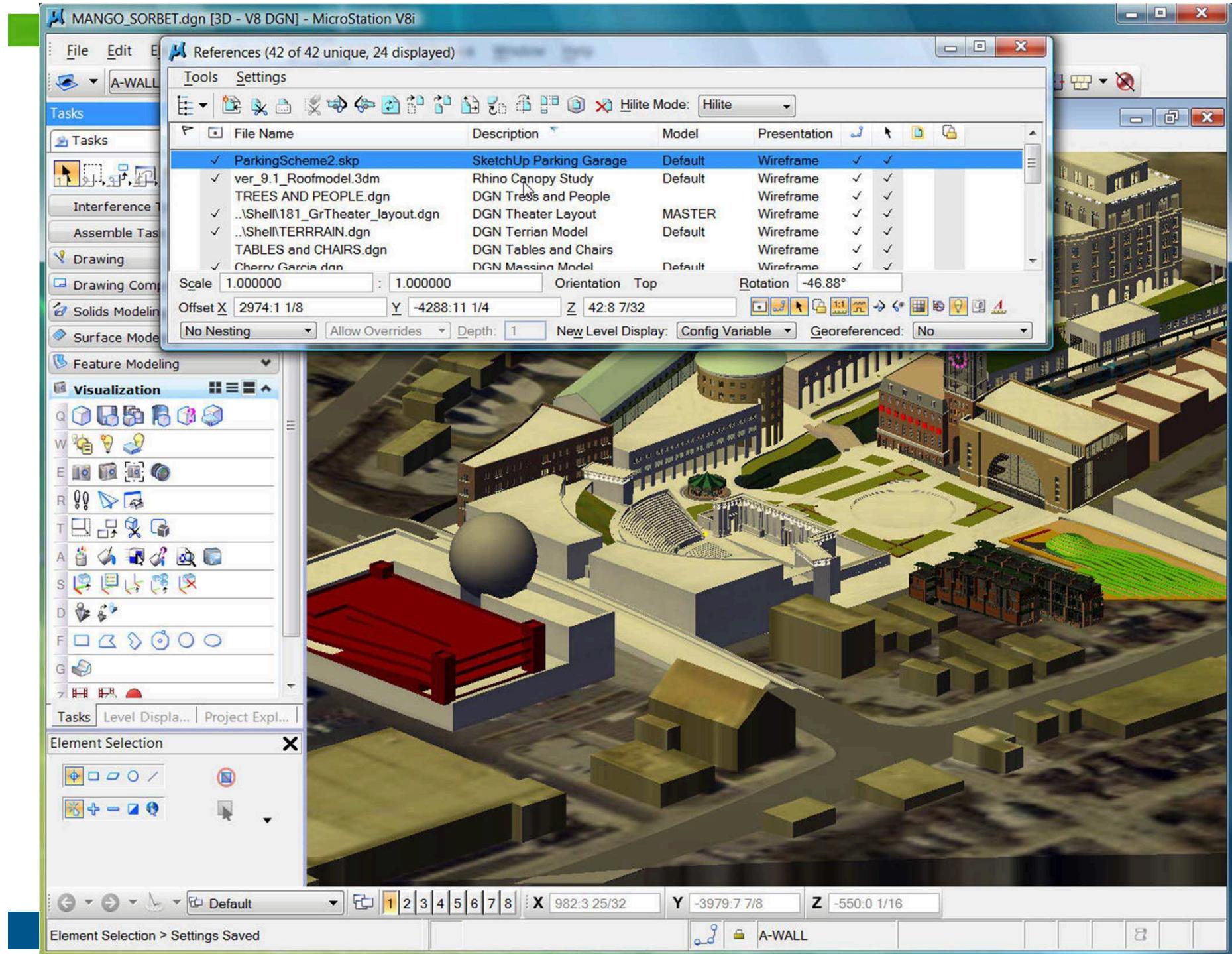












File Edit Element Settings Tools Utilities Workspace Window Help  
Default 0 0 2 0 0

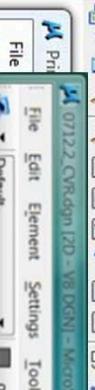


## Tasks

## View 1, 24X36

## View 1, 24X36

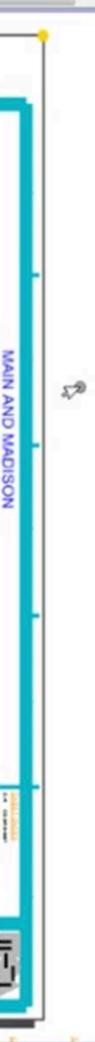
Drawing Composition  
Organize  
Design Composition  
Create Views (2D)  
Sheet Composition



Annotate  
Place SmartLine  
Measure Distance  
Hatch Area  
Dimension Element  
Place Section Callout  
Place Text



Project Explorer  
Interoperability with Formats  
2D Drawing Composition  
3D Drawing Composition  
Dwg Deliverables  
Sheets



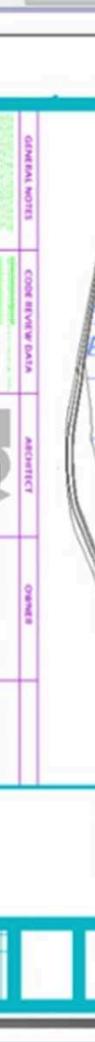
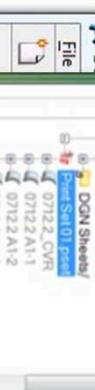
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Default 0 0 2 0 0



File Edit Element Settings Tools Utilities Workspace Window Help  
Default 0 0 2 0 0



File Edit Element Settings Tools Utilities Workspace Window Help  
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File Edit Element Settings Tools Utilities Workspace Window Help  
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File Edit Element Settings Tools Utilities Workspace Window Help  
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Default 0 0 2 0 0



File Edit Element Settings Tools Utilities Workspace Window Help  
Default 0 0 2 0 0



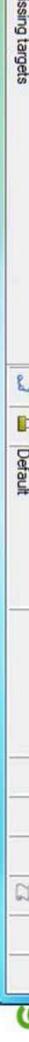
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Default 0 0 2 0 0



File Edit Element Settings Tools Utilities Workspace Window Help  
Default 0 0 2 0 0

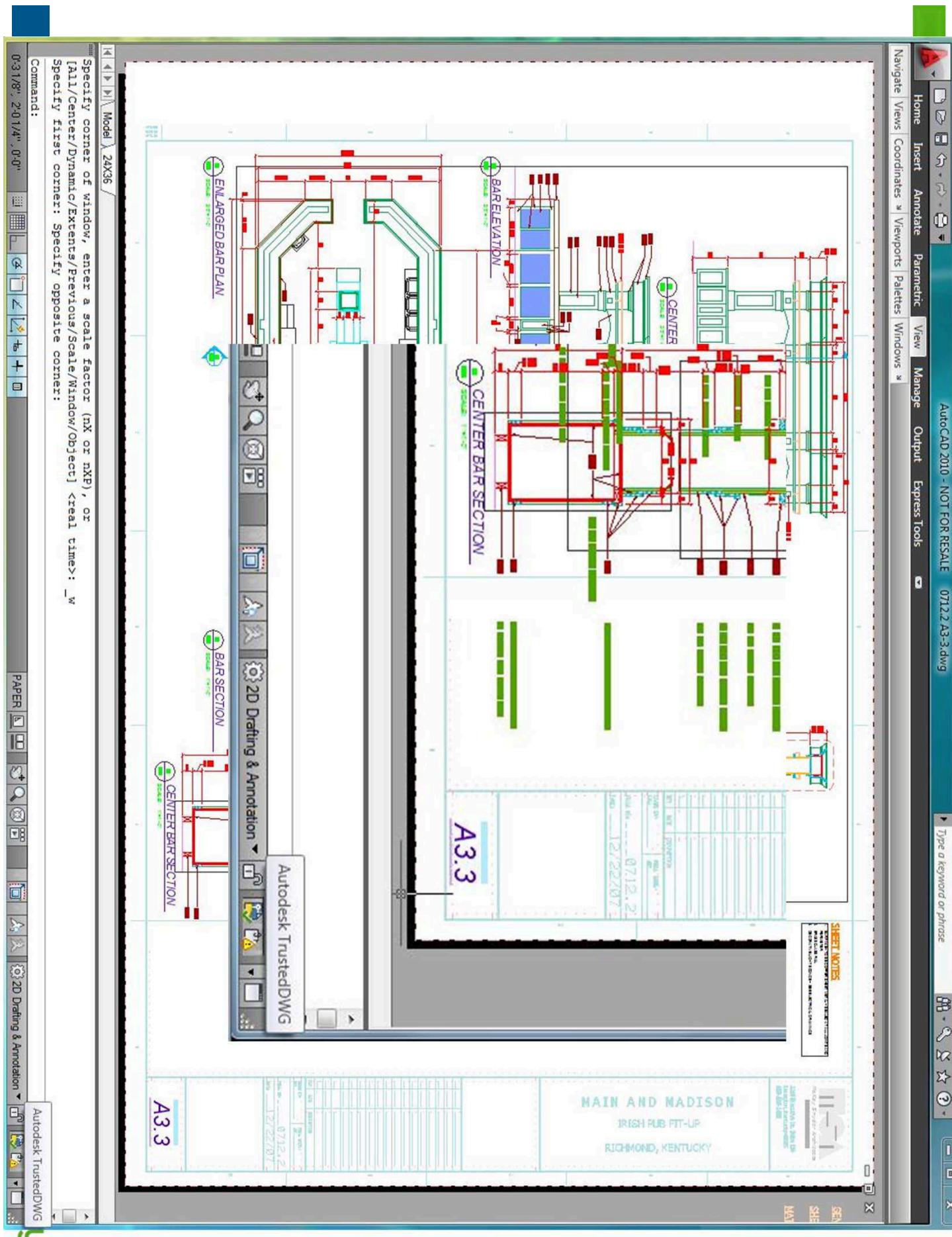


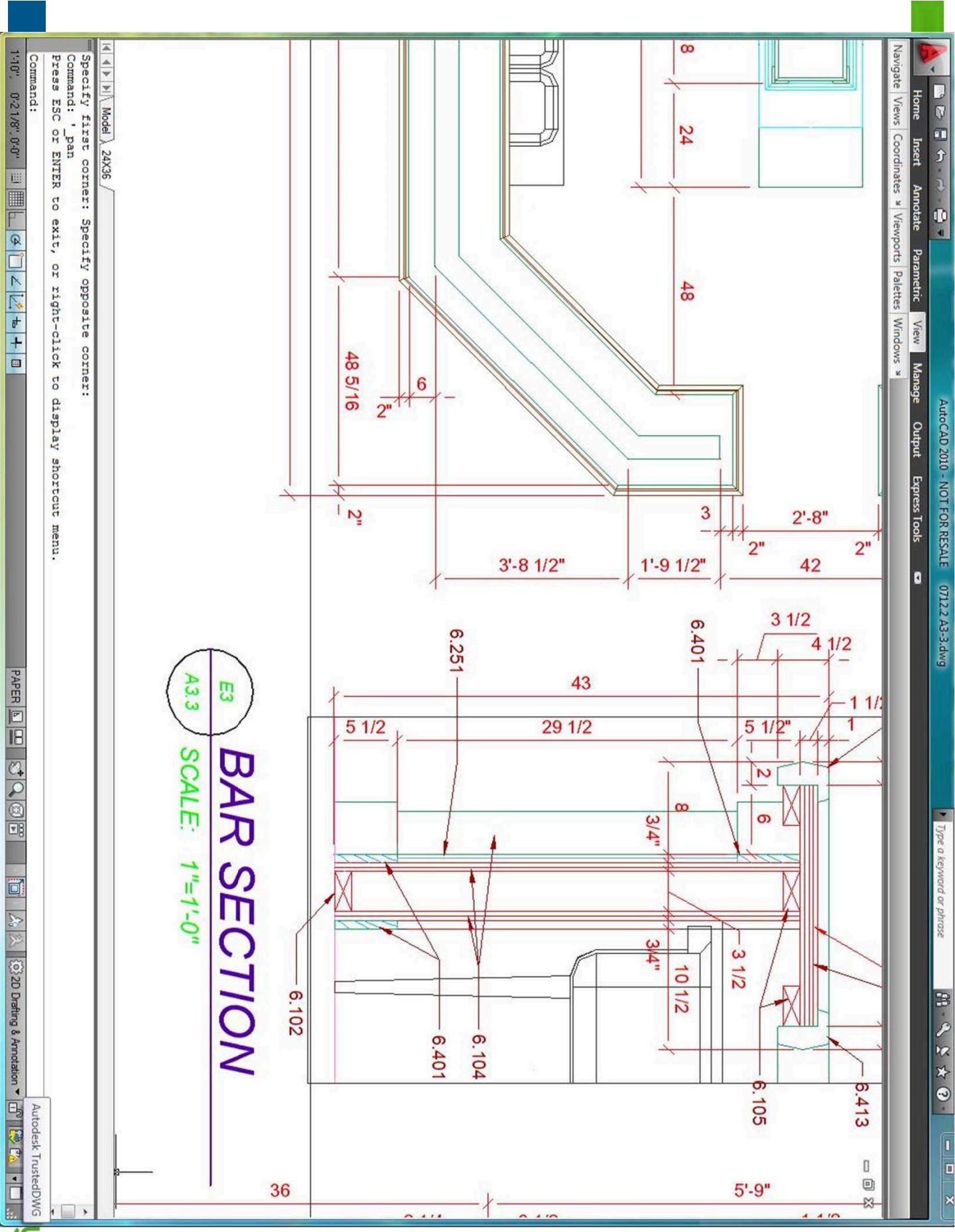
File Edit Element Settings Tools Utilities Workspace Window Help  
Default 0 0 2 0 0

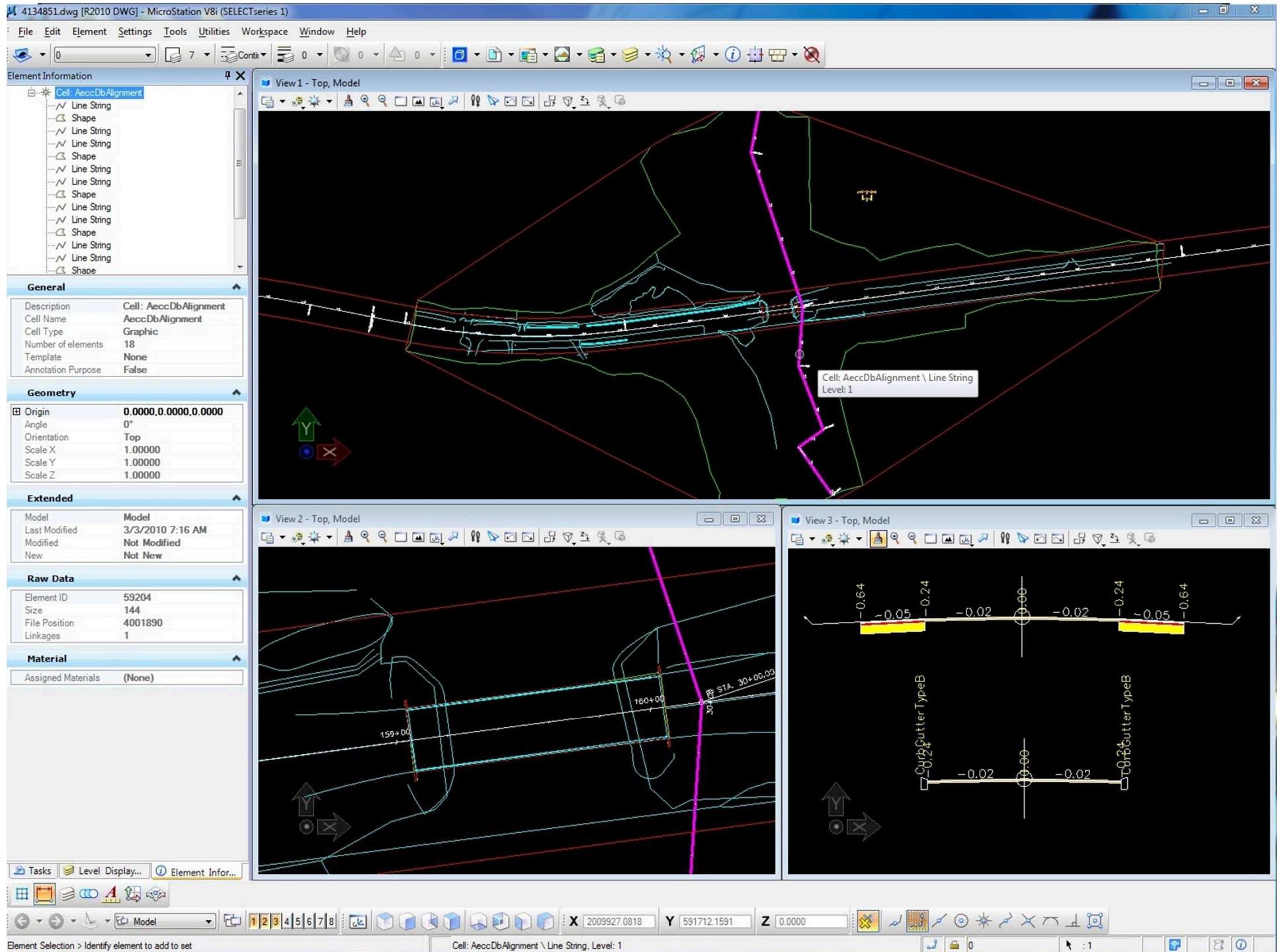


Validated 1 links, found 0 missing targets

Default

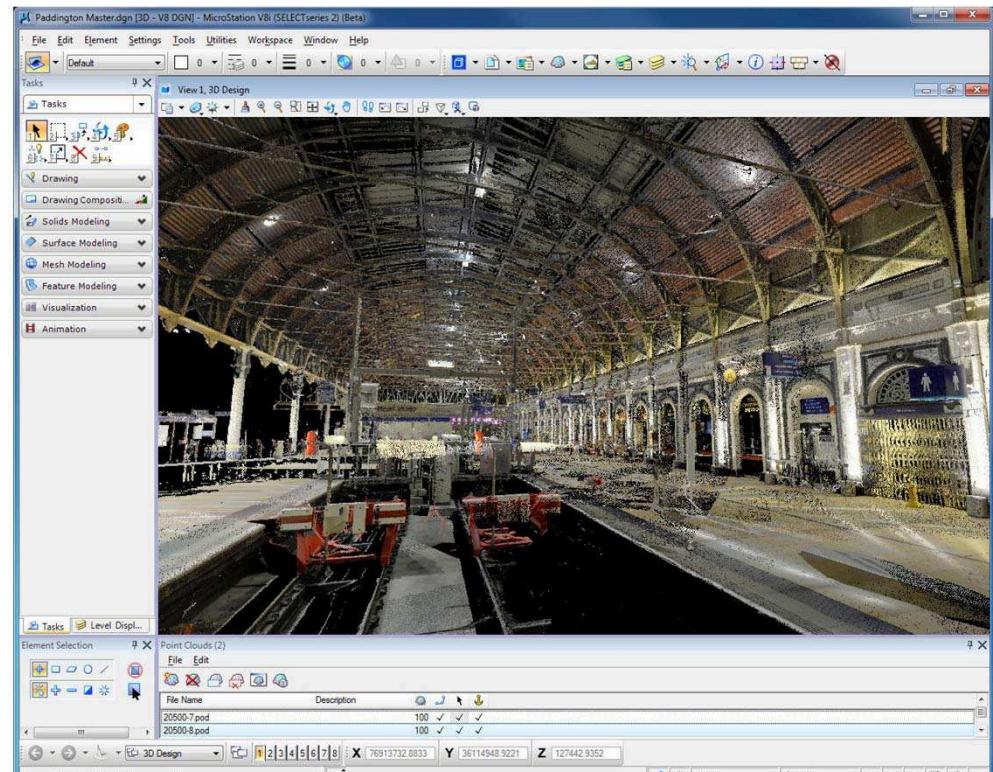


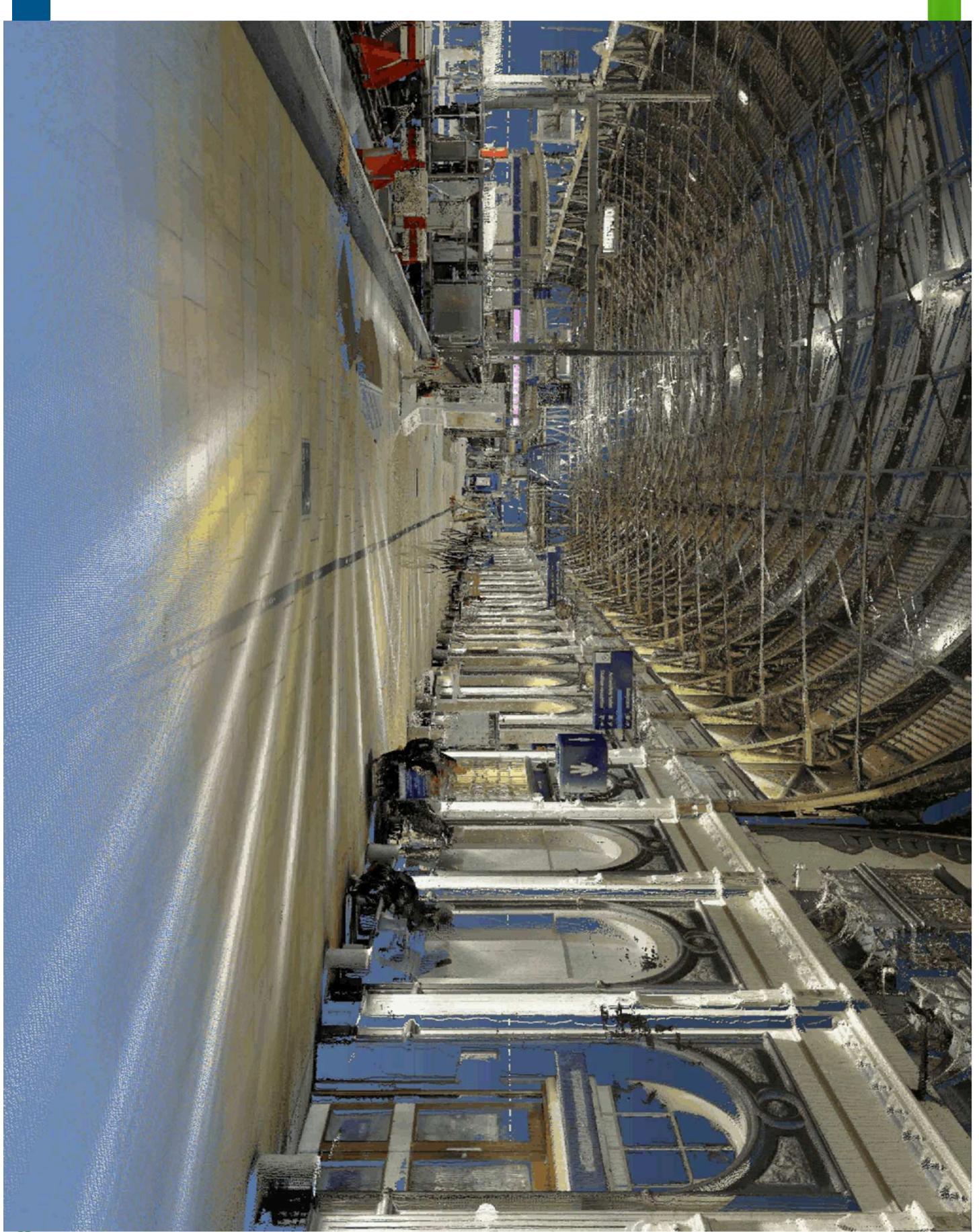




# MicroStation V8i (SELECTseries 2)

- Point Clouds
  - Leverage LIDAR data in MicroStation
  - Easy to use, high performance visualization
  - Provide access to all project team members





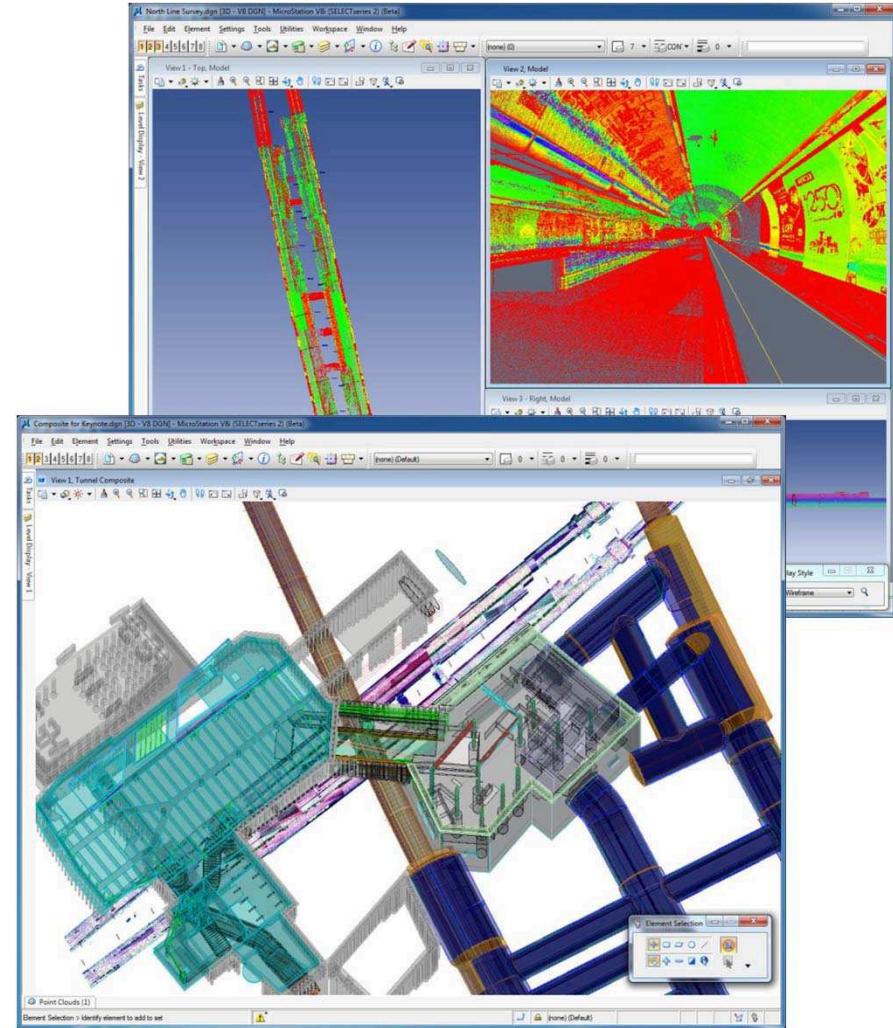
# MicroStation V8i (SELECTseries 2)

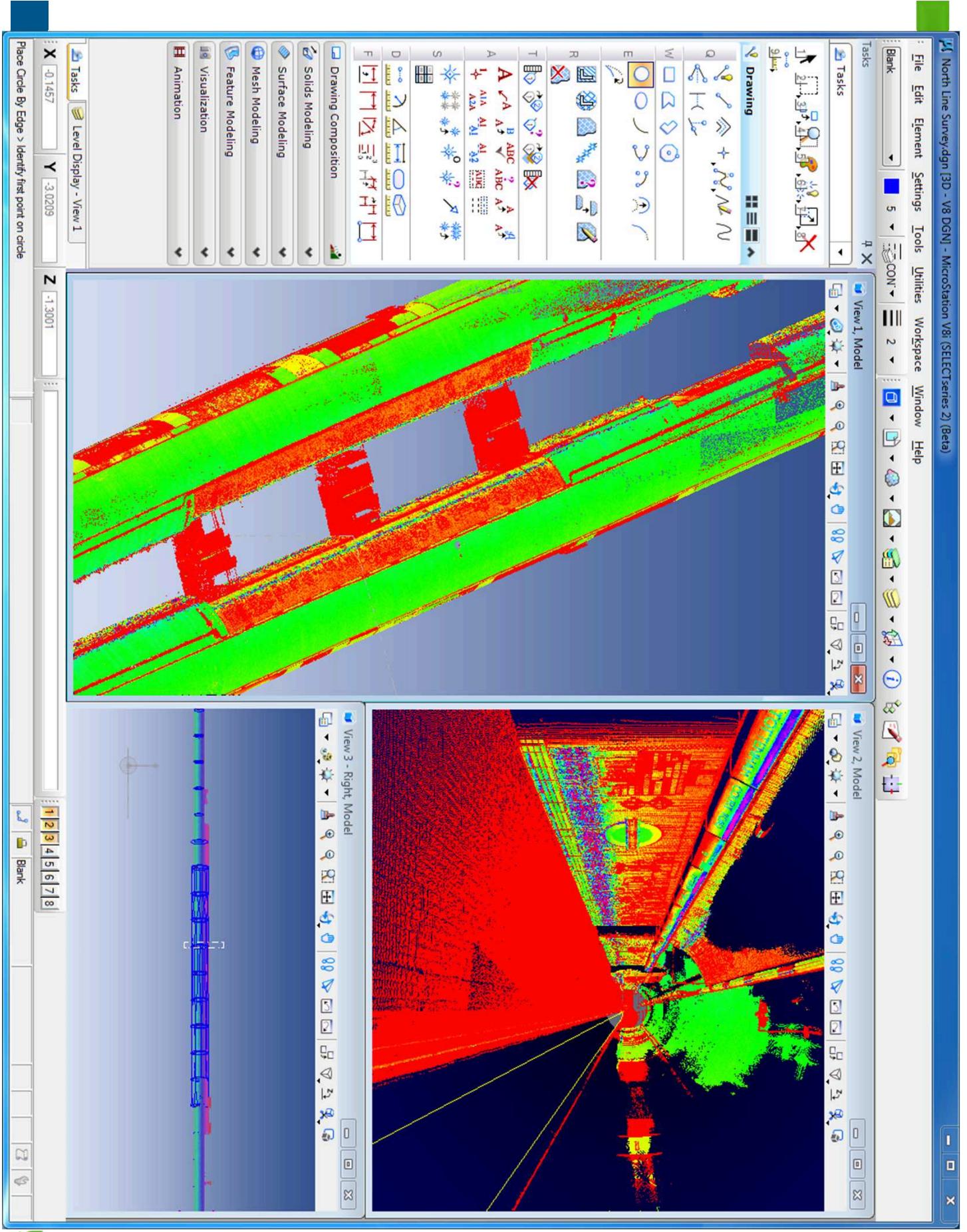
## Point Cloud Tools

- Standard Viewing tools
- Similar to a reference file attachment
- Snap and Locate
- Measure, move, scale, etc.
- Level on/off

## Point Cloud Presentation

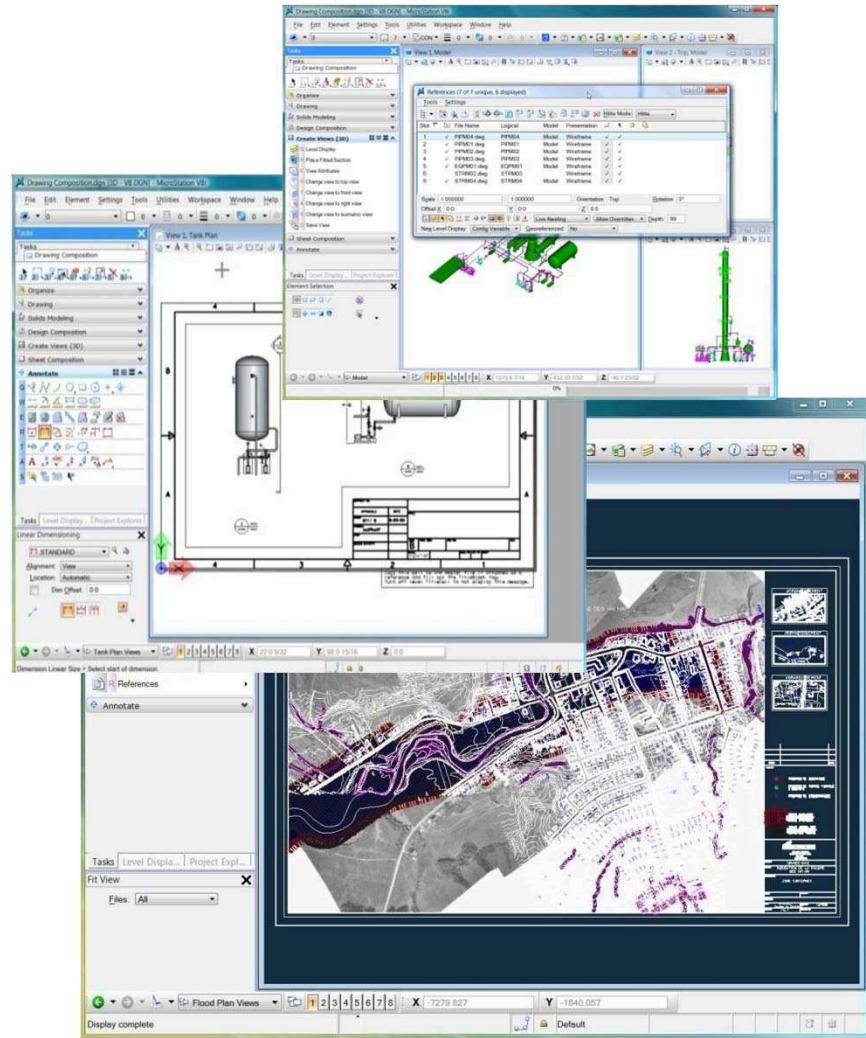
- RGB
- Classification
- Elevation
- Intensity





# The Interoperability Advantage

- Improve Efficiency
  - Assemble information easily from multiple sources
  - Reuse assembled information
- Increase Quality
  - Read and write RealDWG files
  - Create better performing assets
- Save Money
  - Consolidate software
  - Reduce data translation cost
  - Eliminate need for re-work

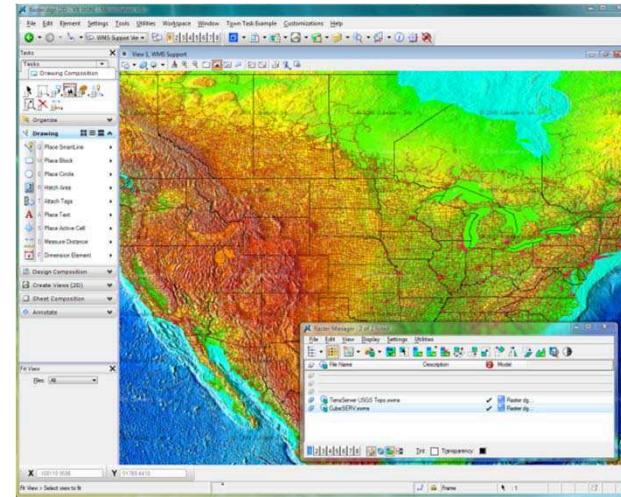


# MicroStation V8i (SELECTseries 2)

Intrinsic GeoCoordination

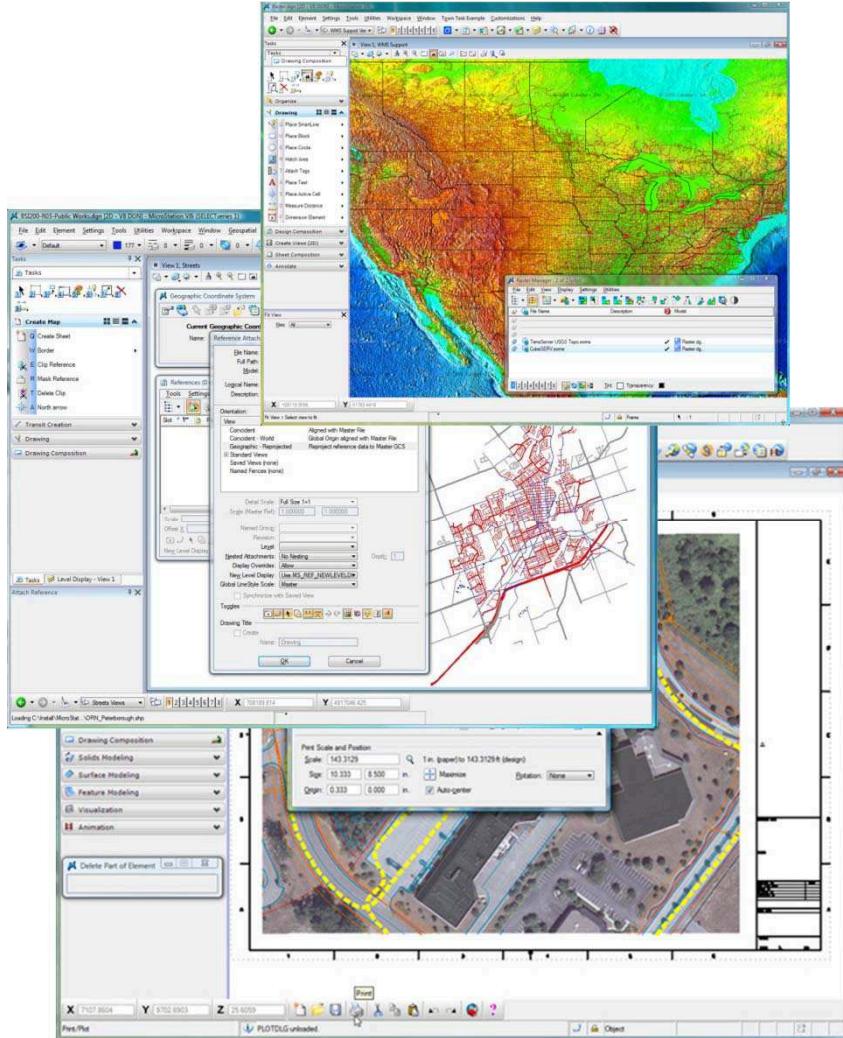
# MicroStation V8i (SELECTseries 2)

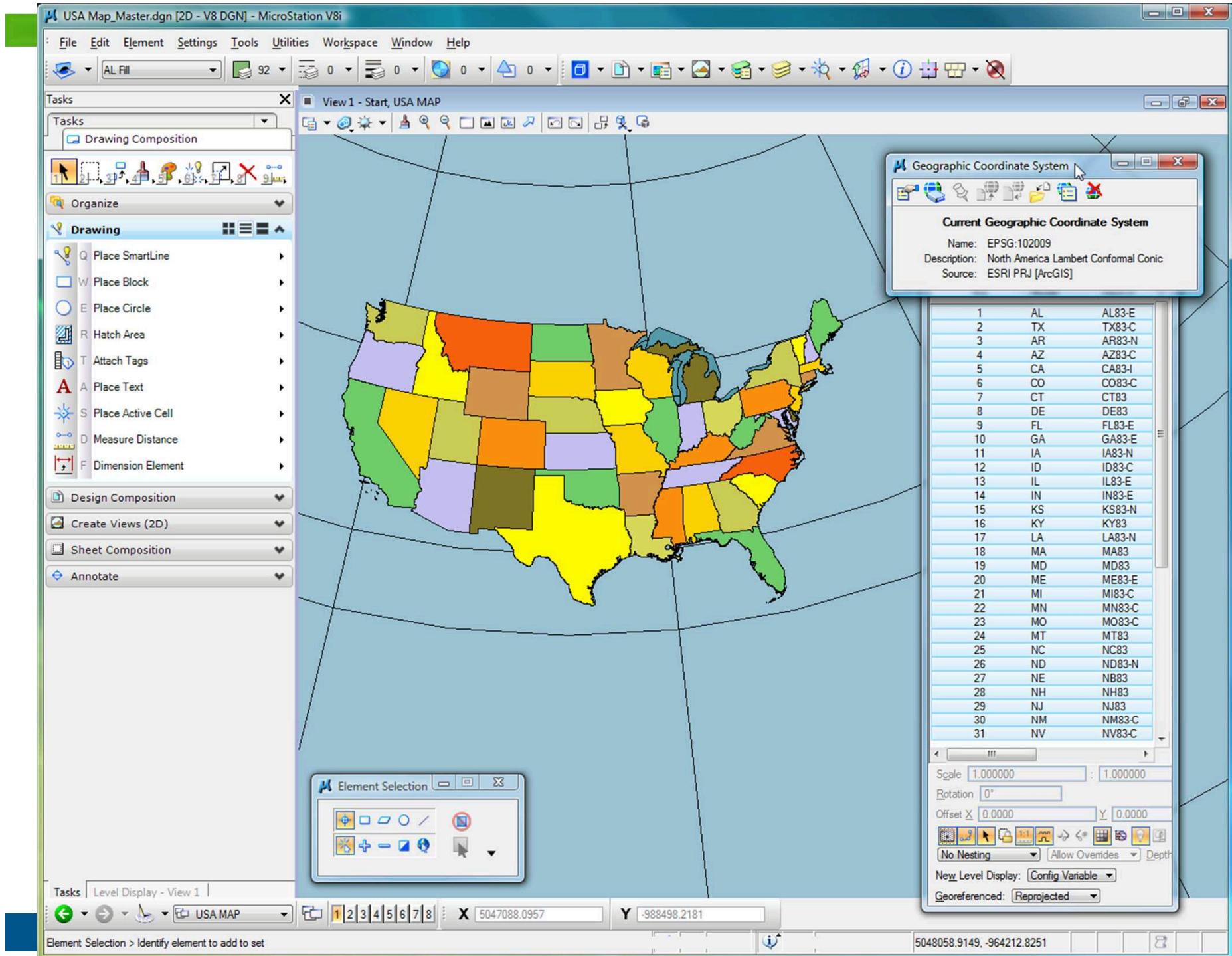
- Intrinsic GeoCoordination
  - Geospatial Referencing
  - Web Map Server Support
  - GPS Device Support
  - Geospatial PDF
- New in MicroStation V8i (SELECTseries 2)
  - Define Placemark Monuments
    - Longitude and Latitude
    - Cartesian Coordinates
    - Global Positioning System
    - Reference with Geographic Coordinate System

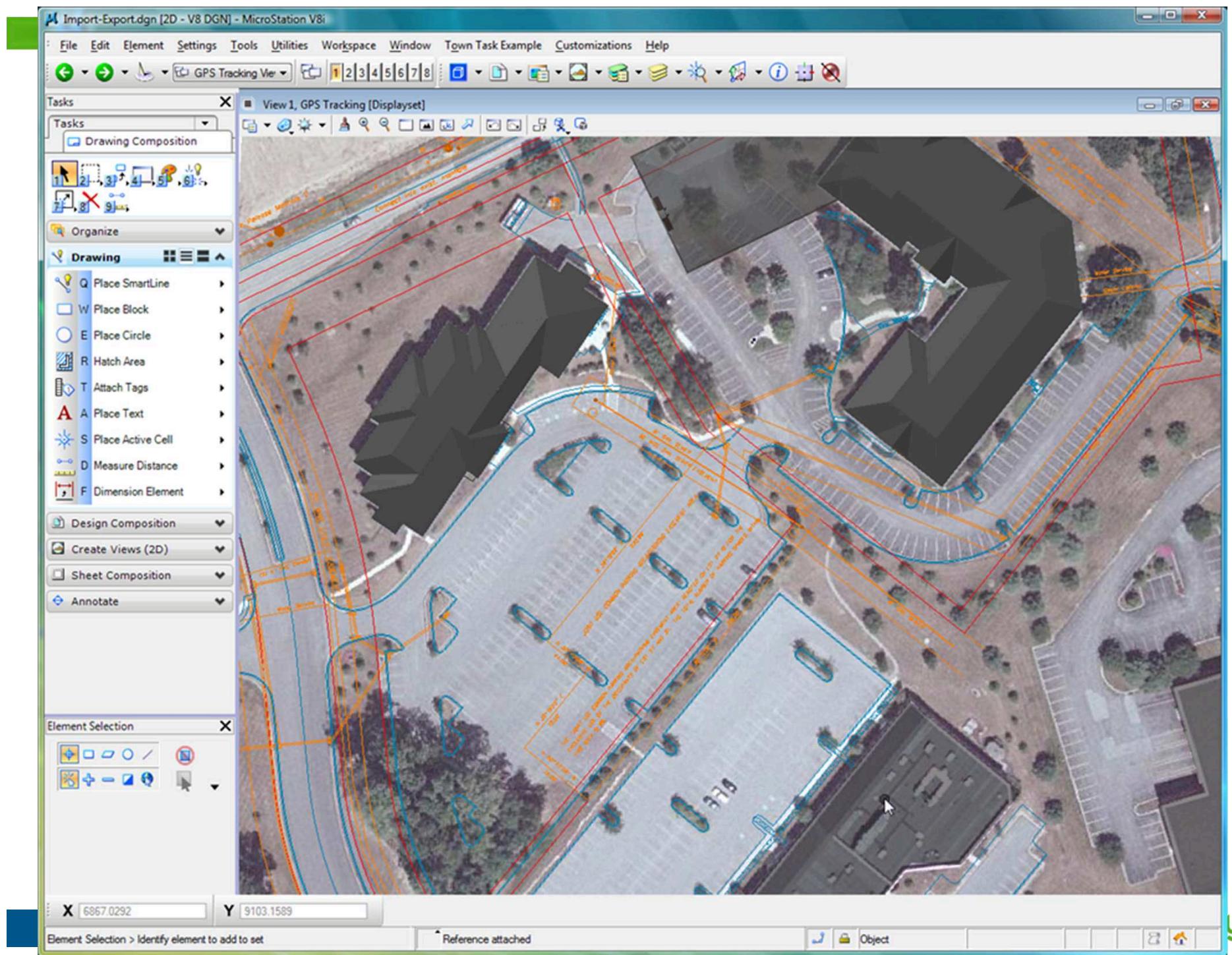


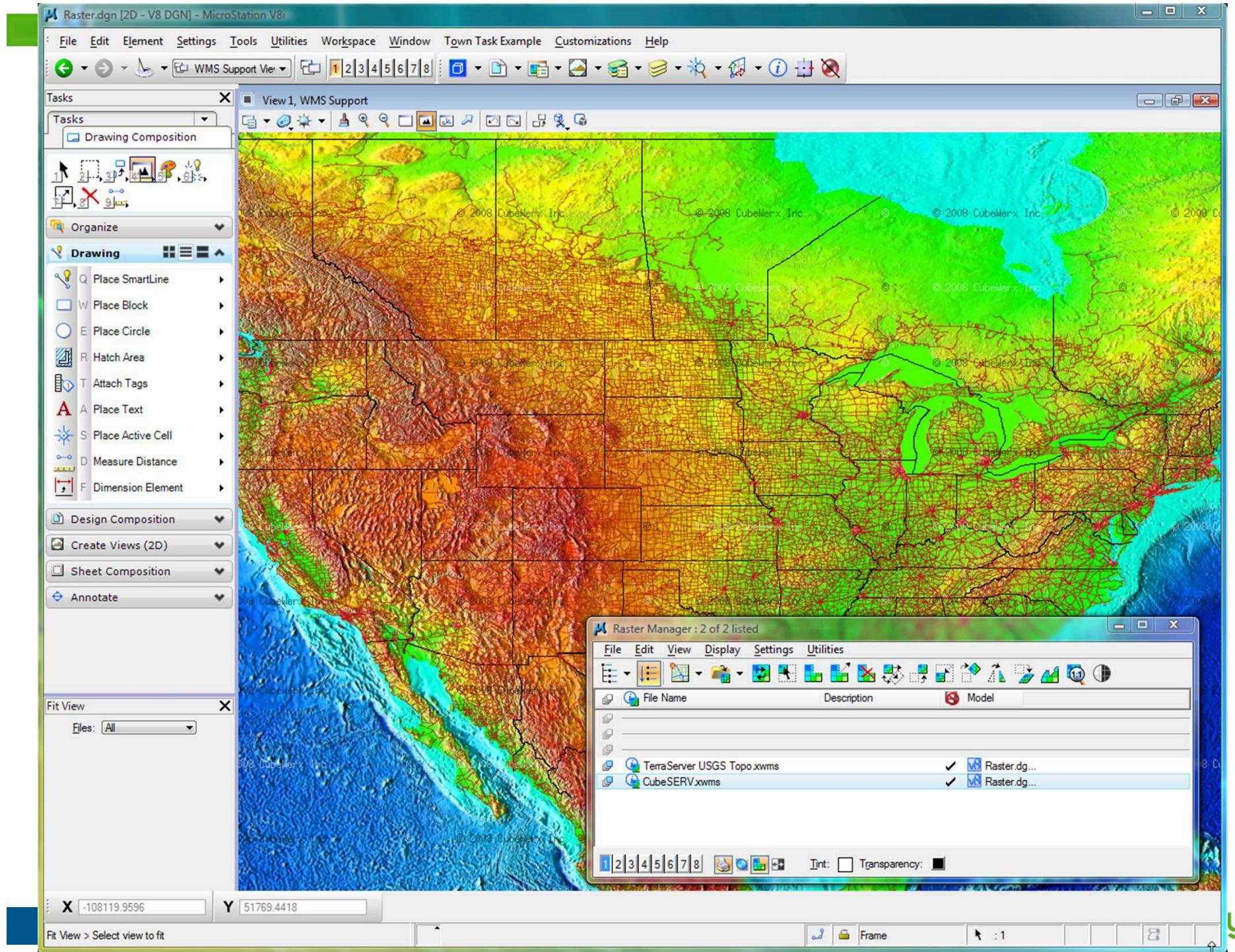
# Why Geo-Coordinate Anything?

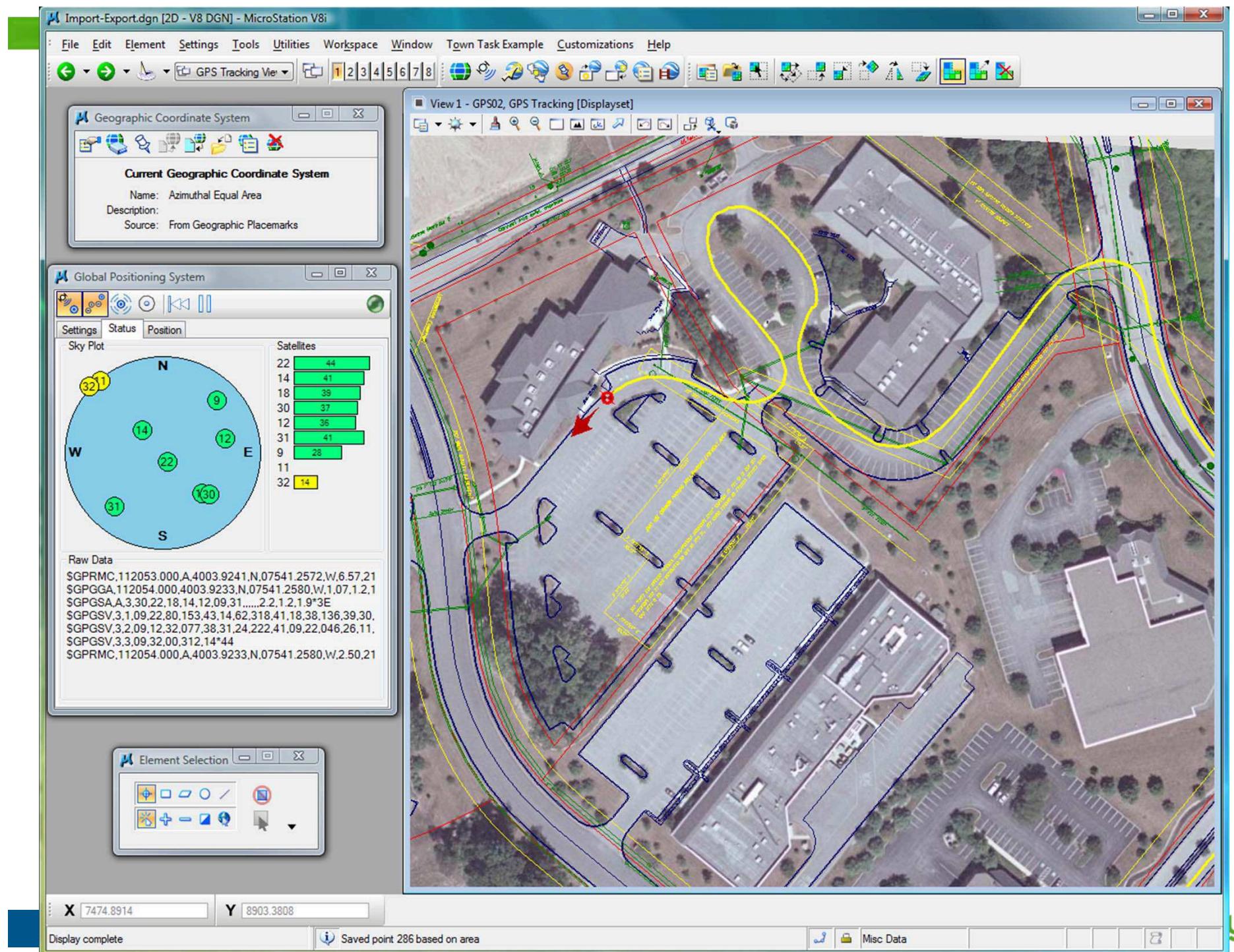
- Assemble information with multiple coordinate systems from multiple sources
- Align work accurately to create a reliable view of the design project in real-world context
- Avoid on-site coordination errors as project is constructed
- Create data-rich design and construction deliverables

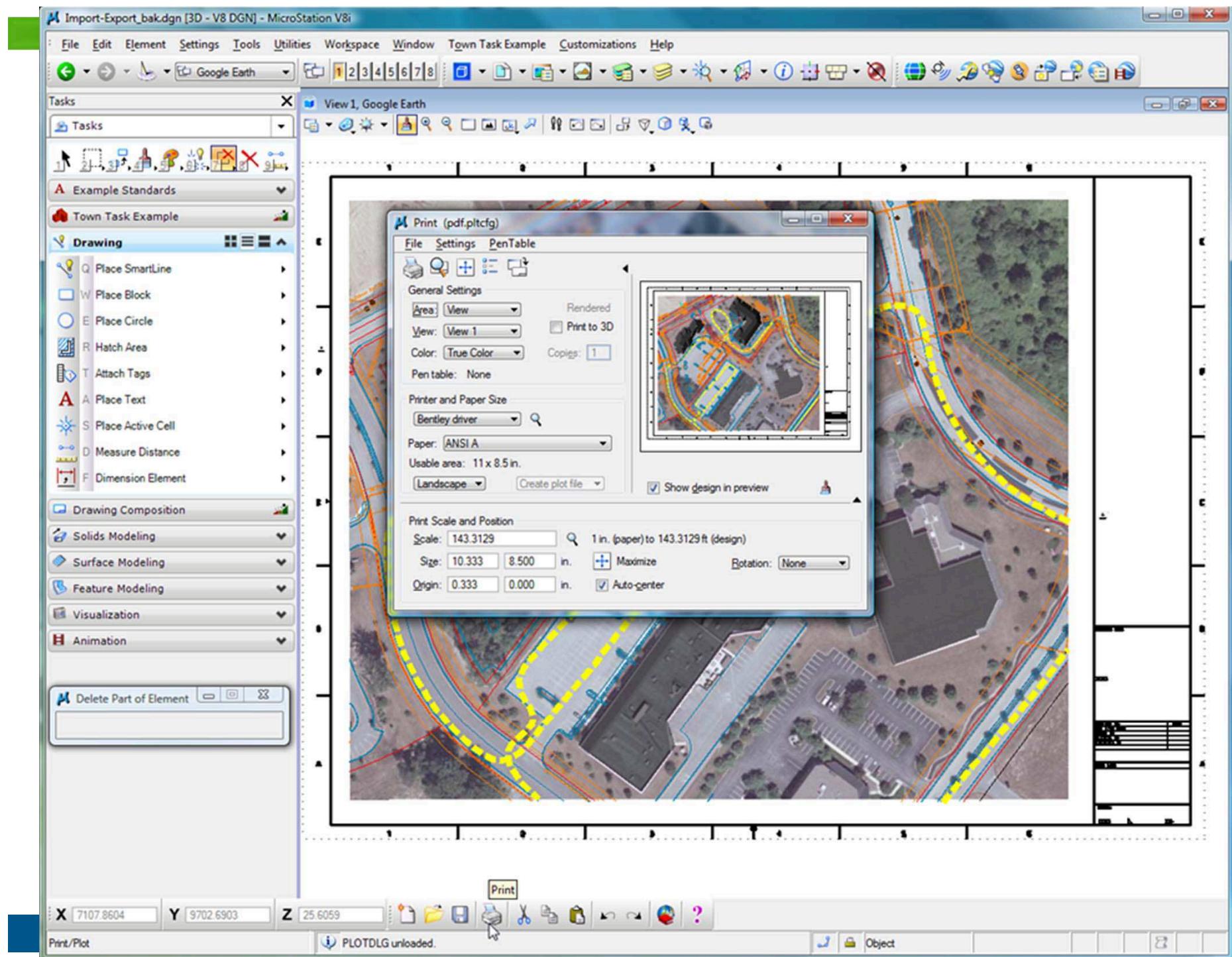




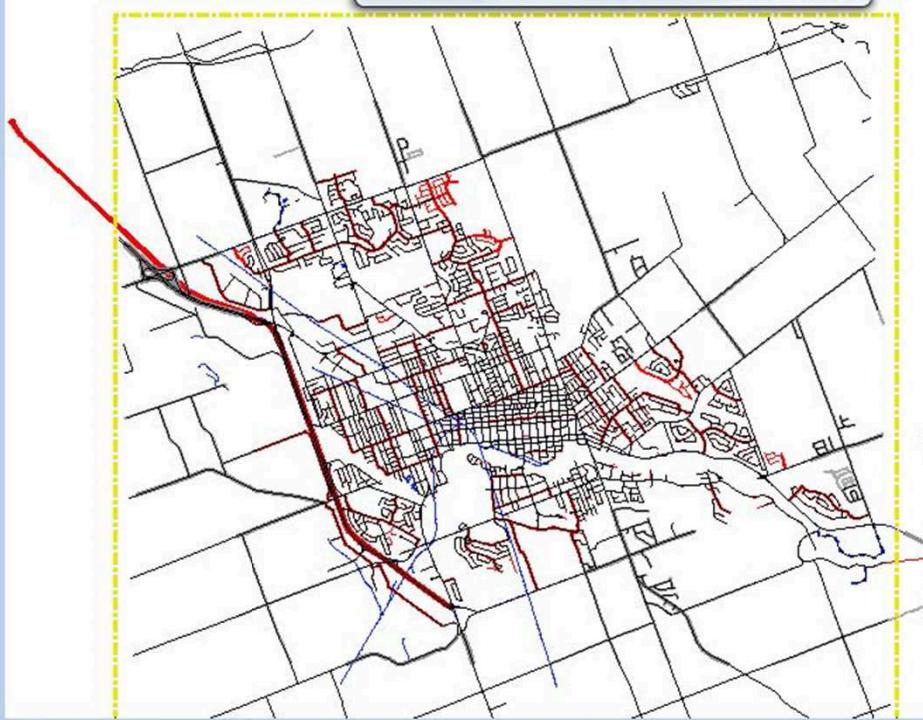
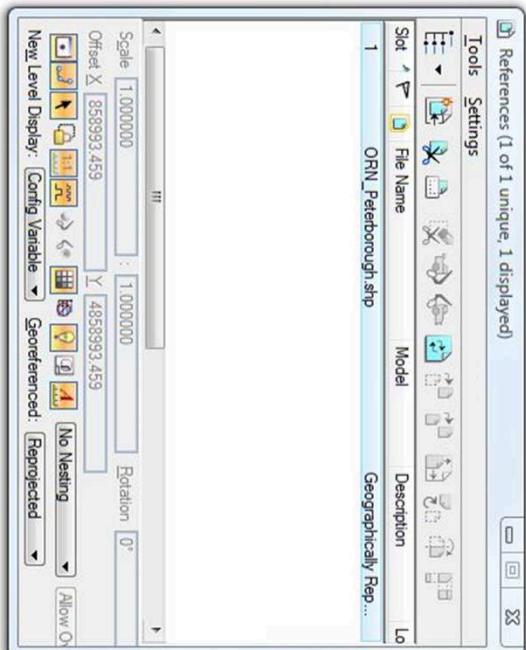
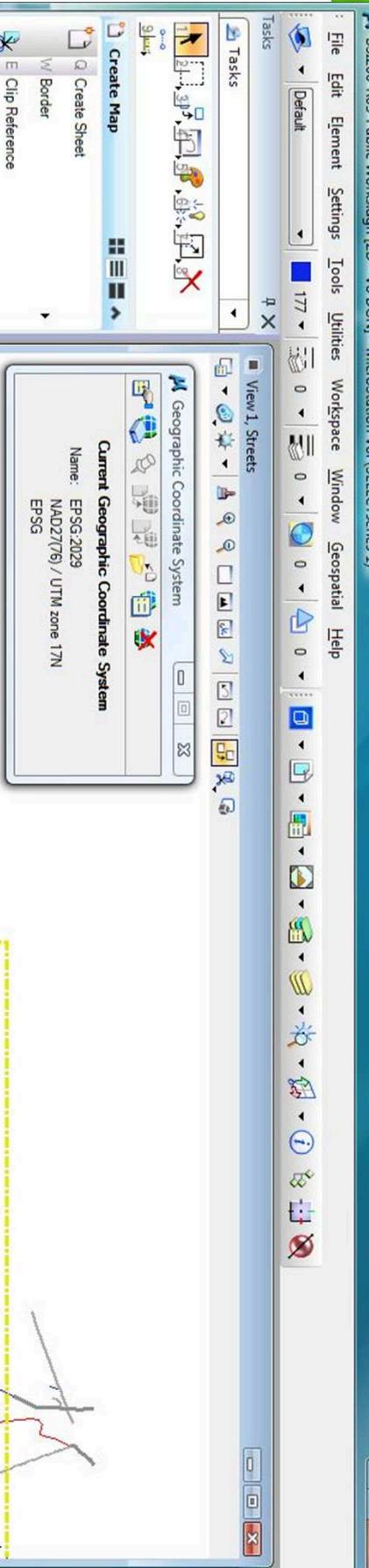












Element Selection > Identify element to add to set.



Items

Default

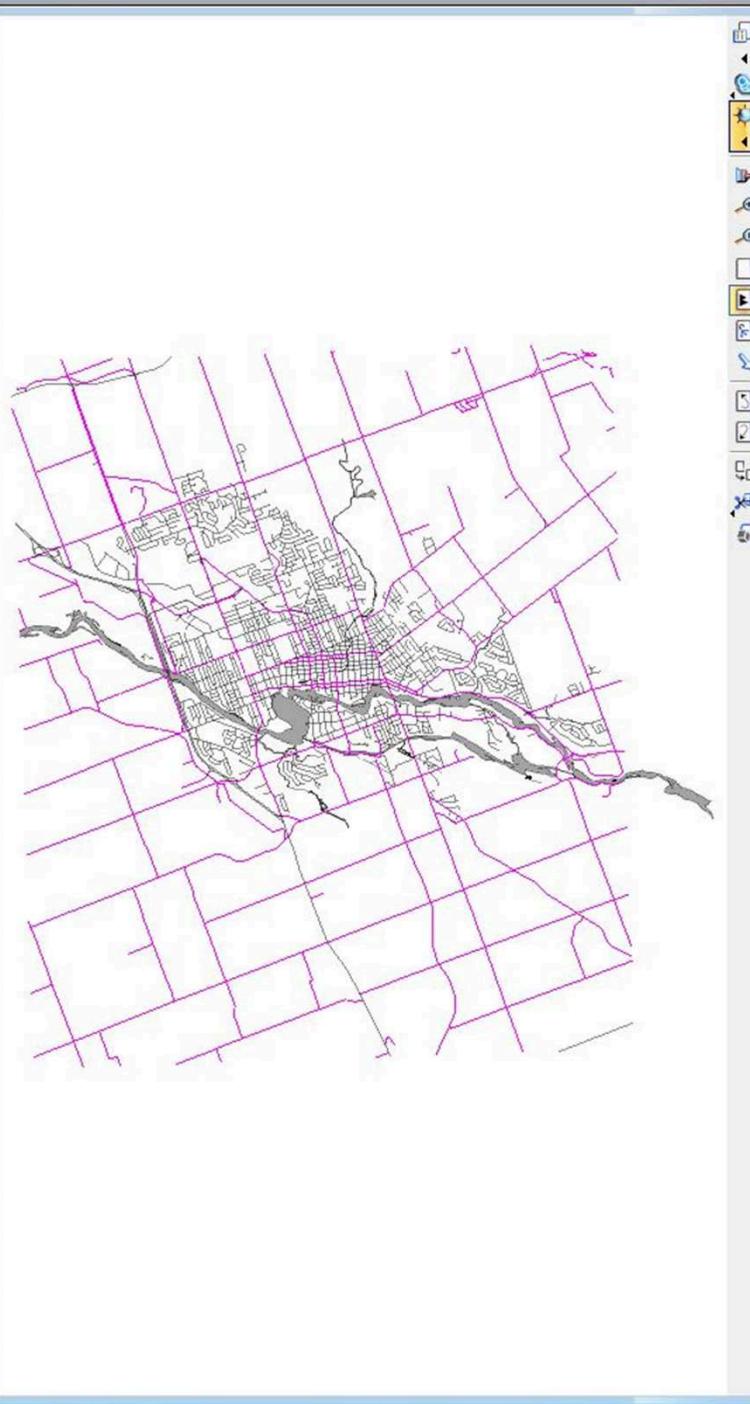
X

X

X

Active

View 1, Hydrography



Tasks

Level Display

...

Items

Fit View

Files: All

Details

Item	ABBRSTREET	DIRPREFIX	DIRSUFFIX	DIRTRAFFIC	EFFDATE	EXPDATE	FID	FMF_OBJECT	FULLSTREET	GEODB_OID	GEOMETRY
ORN_Peterborou...	LINDSAY RD			Positive	11/15/2005		331	194405463	52791		
ORN_Peterborou...	DIVISION RD			Both	11/15/2005		587	194408796	LINDSAY ROAD	88092	
ORN_Peterborou...	SHERBROKE ST			Both	11/15/2005		1059	194417428	DIVISION ROAD	174430	
ORN_Peterborou...	CHEMONG RD			Both	11/15/2005		1865	194430313	SHERBROKE ...	303253	
ORN_Peterborou...	AIRPORT RD			Both	11/15/2005		2633	194443055	CHEMONG ROAD	429611	
ORN_Peterborou...	THE PARKWAY			Both	11/15/2005		76	194401283	AIRPORT ROAD	13080	
ORN_Peterborou...	THE PARKWAY			Positive	11/15/2005		1100	194417429		174436	
ORN_Peterborou...	THE PARKWAY			Positive	11/15/2005		1866	194430327	THE PARKWAY	303400	
ORN_Peterborou...	THE PARKWAY			Positive	11/15/2005		1926	194443055	THE PARKWAY	429611	

Row:

1

of 919

▼

▶

X



File View &gt; Select view to fit



Y

C:\Install\MicroStation 08110787\WorkSpace\Project

Default

File Edit Element Settings Tools Utilities Workspace Geospatial Help

Default Project Explorer

Default

Geospatial.pset

BSI200-M01-City

BSI200-M02-City Small

BSI200-M03-Bikeway

BSI200-M04-Trails

BSI200-M05-Zoning

BSI200-M06-Wards

Drawing Views

Bikeway Labels [C:/Install/1/]

City Drawing [C:/Install/Mcr/]

Hydrography Labels [C:/Inst/]

Landmarks [C:/Install/Micro]

Park Labels [C:/Install/Micro]

Street Names [C:/Install/Mc]

Wards Labels [C:/Install/Mi]

Designs

Sheets

Bikeways [C:/Install/Micro S]

City Map [C:/Install/Micro St]

City Small [C:/Install/Micro St]

Trails [C:/Install/Micro St]

Wards [C:/Install/MicroStat]

Zoning [C:/Install/MicroStat]

View1, Streets

Print (pdf,ptcfg)

File Settings PenTable

General Settings

Area: View 1 Rasterized

View: View 1

Color: True Color Copies: 1

PenTable: None

Printer and Paper Size

Bentley driver

Paper: ANSI A Landscape

Usable area: 11 x 8.5 in.

Create plot file

Show design in preview

Print Scale and Position

Scale: 1916.794 1 in. (paper) to 1916.794 M (design)

Size: 11.000 8.432 in. Maximize Rotation: None

Origin: 0.000 0.034 in. Auto-center:

File Edit Element Settings Tools Utilities Workspace Window Geospatial Help

Project Explorer Default

Default

Geospatial.pset

- BSI200-M01-City
- BSI200-M02-City Small
- BSI200-M03-Bikeway
- BSI200-M04-Trails
- BSI200-M05-Zoning
- BSI200-M06-Wards

Drawing Views

Drawings

Bikeway Labels [C:/Install/MicroS...

City Drawing [C:/Install/MicroS...

Hydrography Labels [C:/Instal...

Landmarks [C:/Install/MicroS...

Park Labels [C:/Install/MicroS...

Street Names [C:/Install/MicroS...

Wards Labels [C:/Install/MicroS...

Sheets

Designs

Geospatial.pset - Print Organizer

File Edit View Tools

View 1, Streets

Geospatial

- BSI200-M01-City
- BSI200-M02-City Small
- BSI200-M03-Bikeway
- BSI200-M04-Trails
- BSI200-M05-Zoning
- BSI200-M06-Wards
- BSI200-R03-Public Works
- BSI200-R03-Public Works
- BSI200-R03-Public Works

Preview - BSI200-R03-Public Works (1/1)

BSI200-R03-Public Works

Name	File Name	Model	View Group
BSI200-M01-City	BSI200-M01-City.dgn	City Map	City Map, Views
BSI200-M02-City Small	BSI200-M02-City Small.dgn	City Small	City Small Views
BSI200-M03-Bikeway	BSI200-M03-Bikeway.dgn	Bikeways	Bikeways Views
BSI200-M04-Trails	BSI200-M04-Trails.dgn	Trails	Trails Views
BSI200-M05-Zoning	BSI200-M05-Zoning.dgn	Zoning	Zoning Views
BSI200-M06-Wards	BSI200-M06-Wards.dgn	Wards	Wards Views
BSI200-R03-Public Works	BSI200-R03-Public Works.dgn	Bridges	Bridges Views
BSI200-R03-Public Works	BSI200-R03-Public Works.dgn	Streets	Streets Views

Streets Views

Tasks Lev... Proj...

Element Selection

BSI200-R03-Public Works.dgn [2D - V8 DGN] - MicroStation V8i (SELECTseries 1)

1 2 3 4 5 6 7 8 X 703704 651 Y 4906553 452 PLOTDLG unloaded.

Default

File Edit Element Settings Tools Utilities Workspace Window Geospatial Help

Default

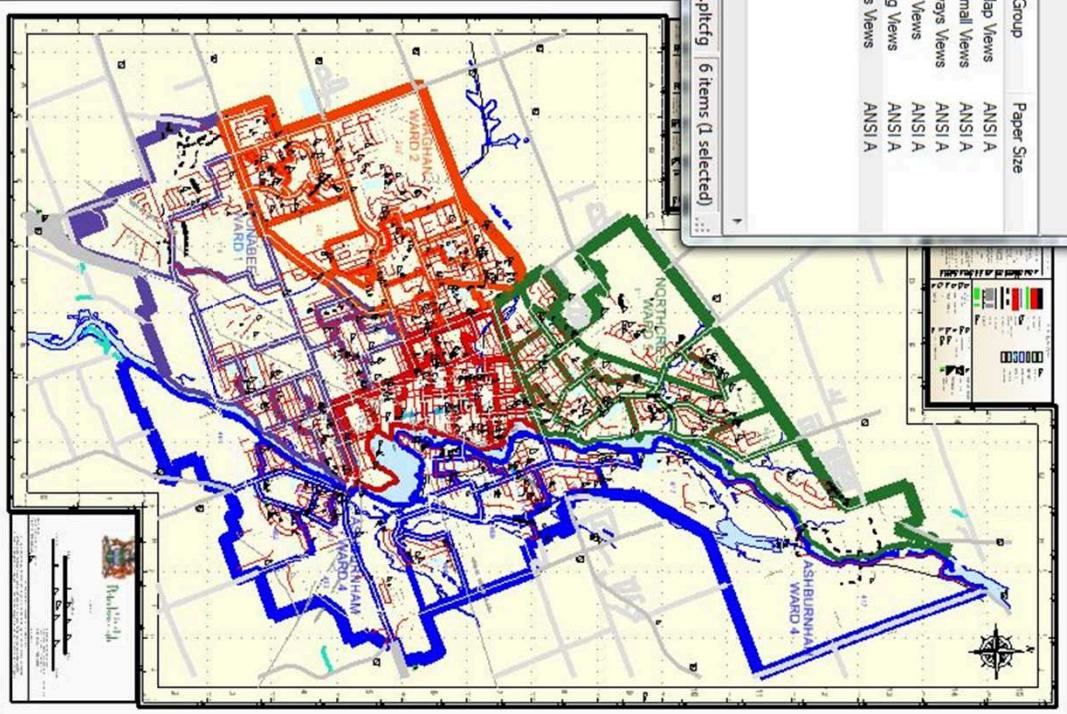
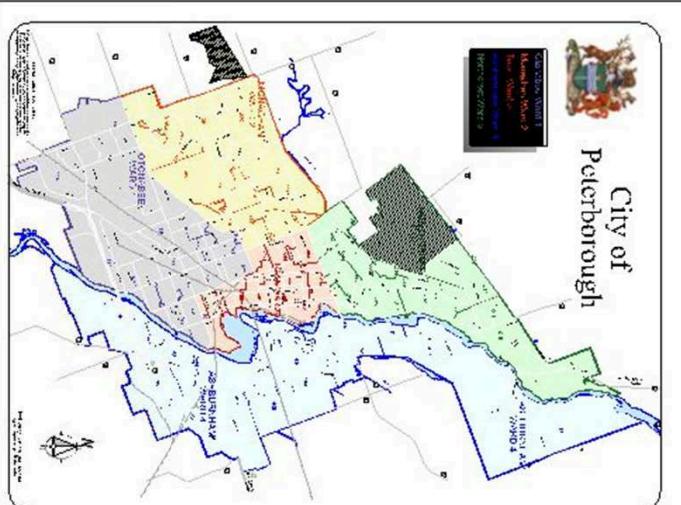
### Geospatial.pset - Print Organizer

File Edit View Tools

Name	File Name	Model	View Group	Paper Size
BSI200-M01-City	BSI200-M01-City.dgn	City Map	City Map Views	ANSI A
BSI200-M02-City Small	BSI200-M02-City Small.dgn	City Small	City Small Views	ANSI A
BSI200-M03-Bikeway	BSI200-M03-Bikeway.dgn	Bikeways	Bikeways Views	ANSI A
BSI200-M04-Trails	BSI200-M04-Trails.dgn	Trails	Trails Views	ANSI A
BSI200-M05-Zoning	BSI200-M05-Zoning.dgn	Zoning	Zoning Views	ANSI A
BSI200-M06-Wards	BSI200-M06-Wards.dgn	Wards	Wards Views	ANSI A

Preview - BSI200-M06-Wards (1/1)

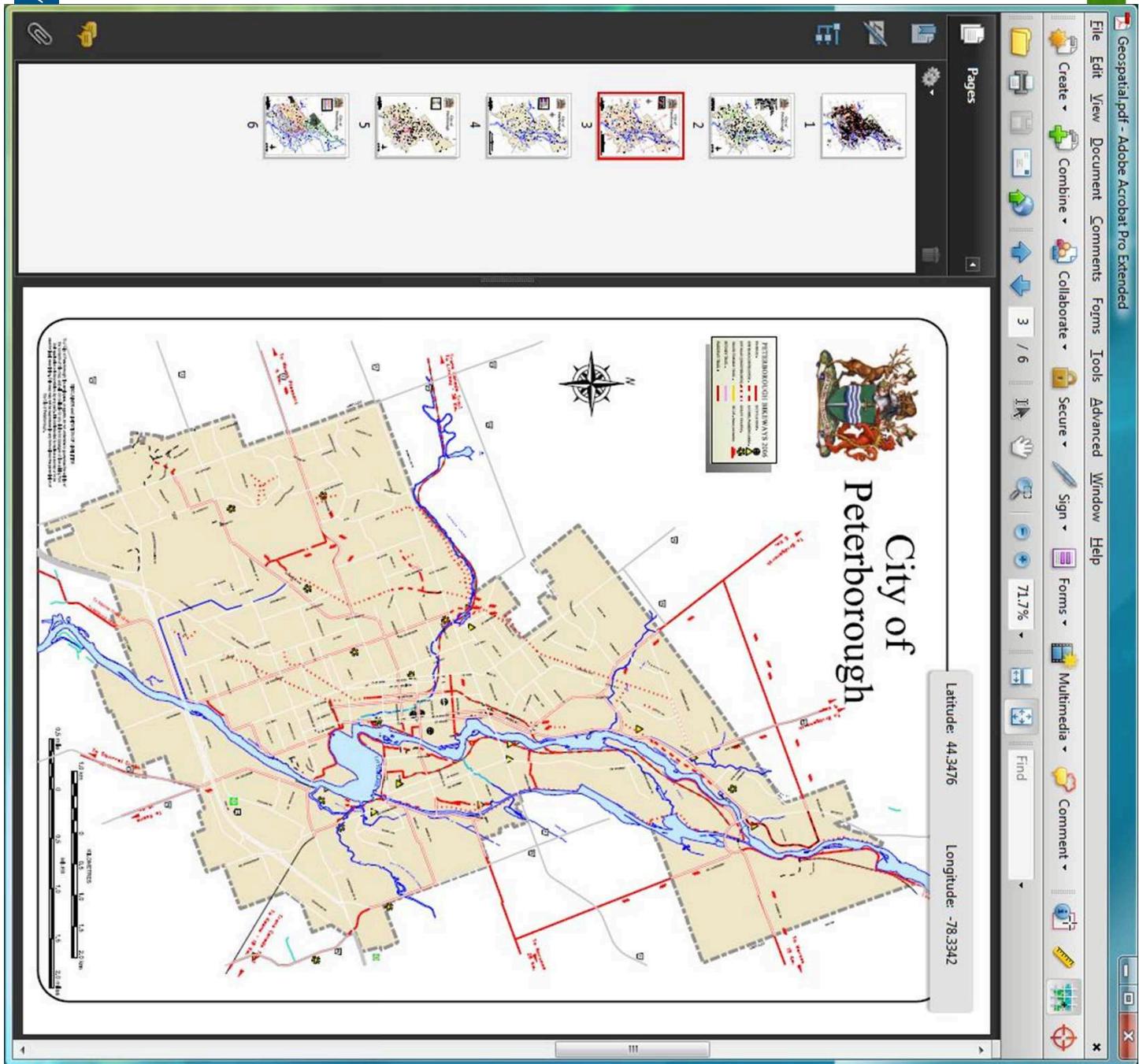
BSI200-M06-Wards

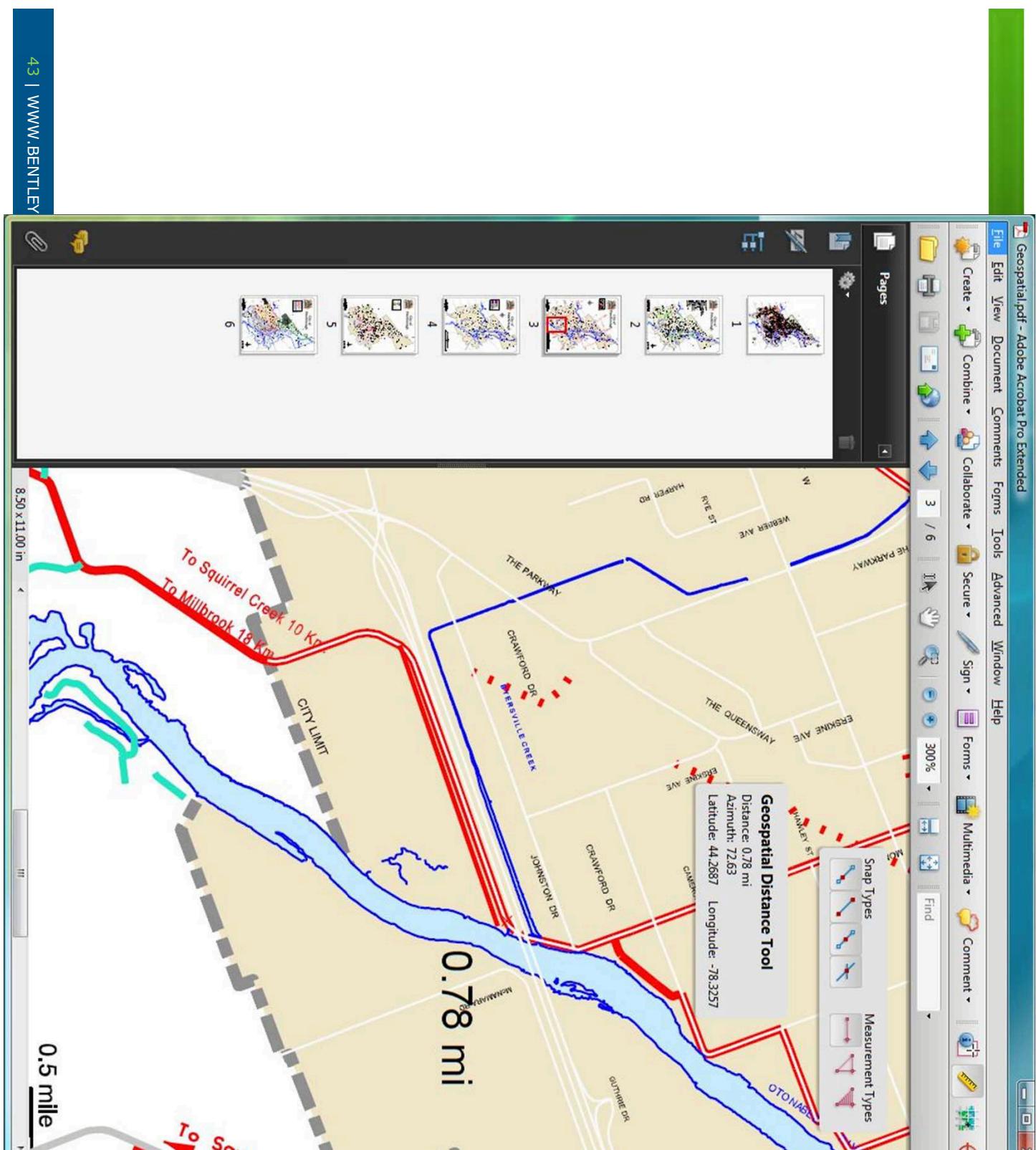


Display complete  
City Map Views  
1 2 3 4 5 6 7 8 X 28094704.96 Y 19341147.41

Replaced missing RSC font [8] with [STANDARD].

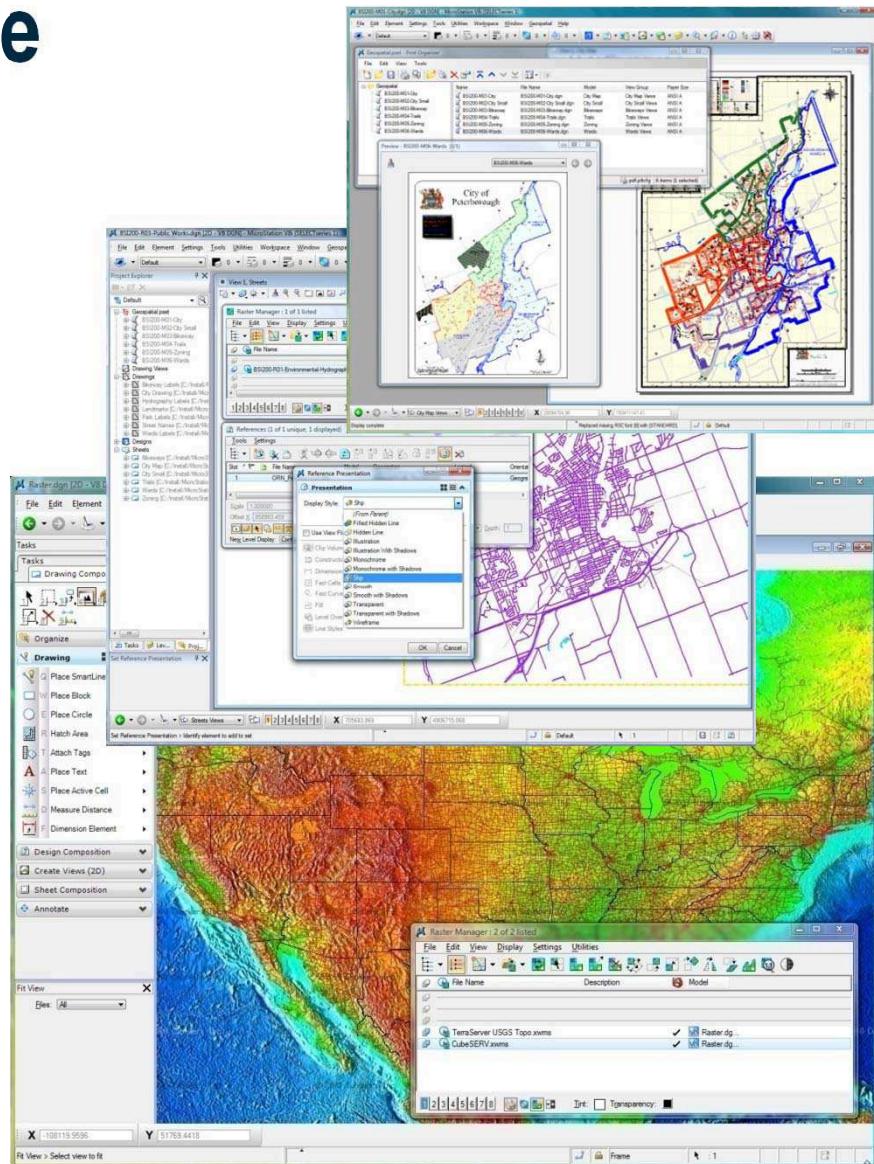
Default





# The Intrinsic Advantage

- Save Time
  - Streamline process
  - Reuse native data
  - Avoid doing things twice
- Improve Quality
  - Add Geo-Context to PDF's
  - Enhance data richness
- Reduce Risk
  - Eliminate mistakes on site

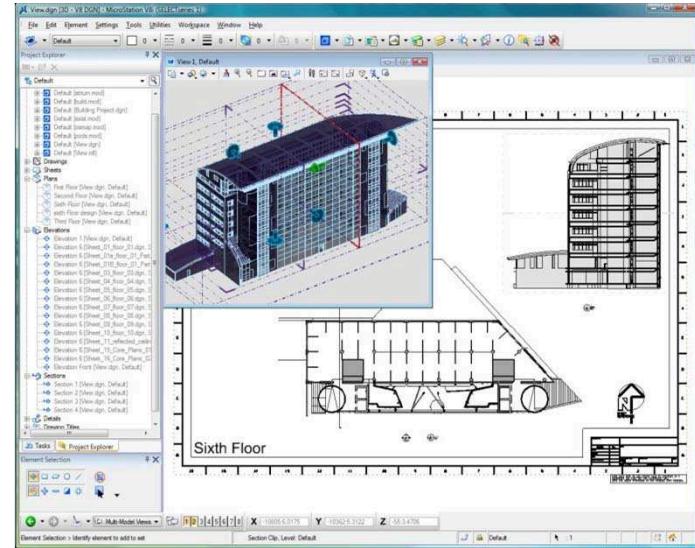


# MicroStation V8i (SELECTseries 2)

Interactive Dynamic Views

# MicroStation V8i (SELECTseries 2)

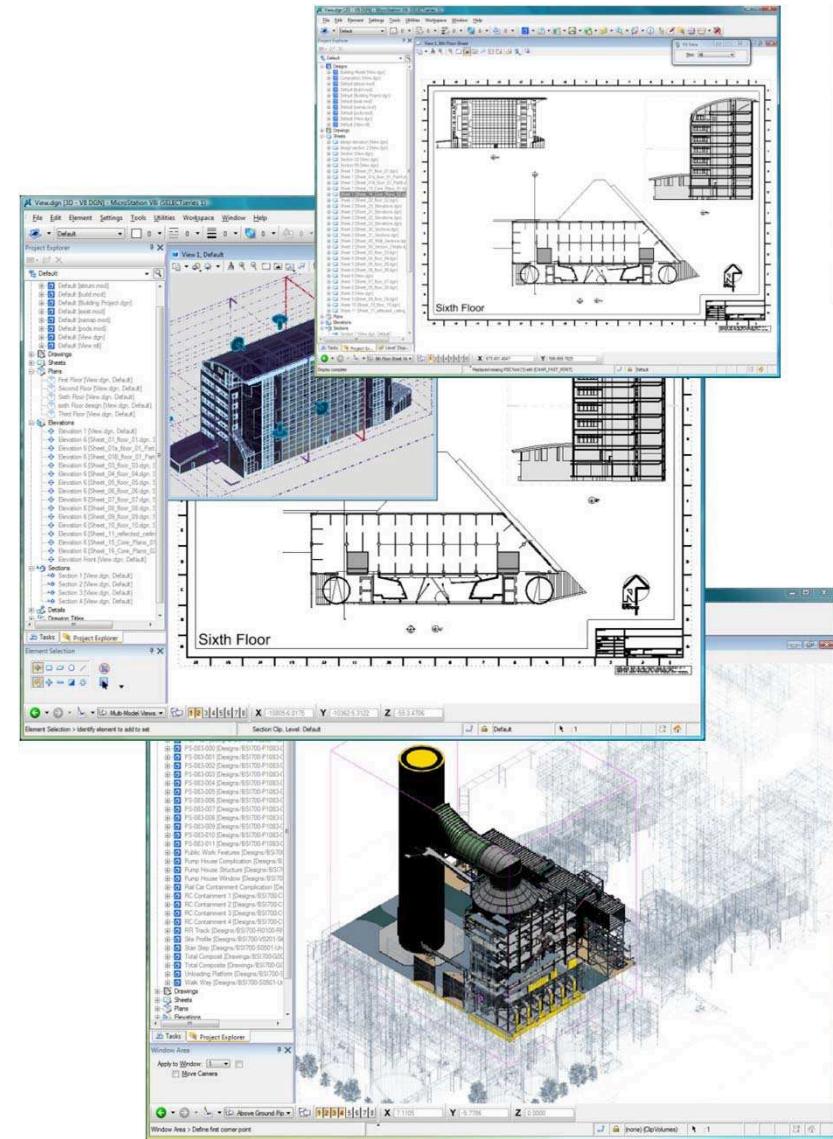
- Interactive Dynamic Views
  - 3D Model Visualization
  - Drawing Automation
  - Linked Sections and Drawings
  - Annotation and Detailing
  - Drawing Model

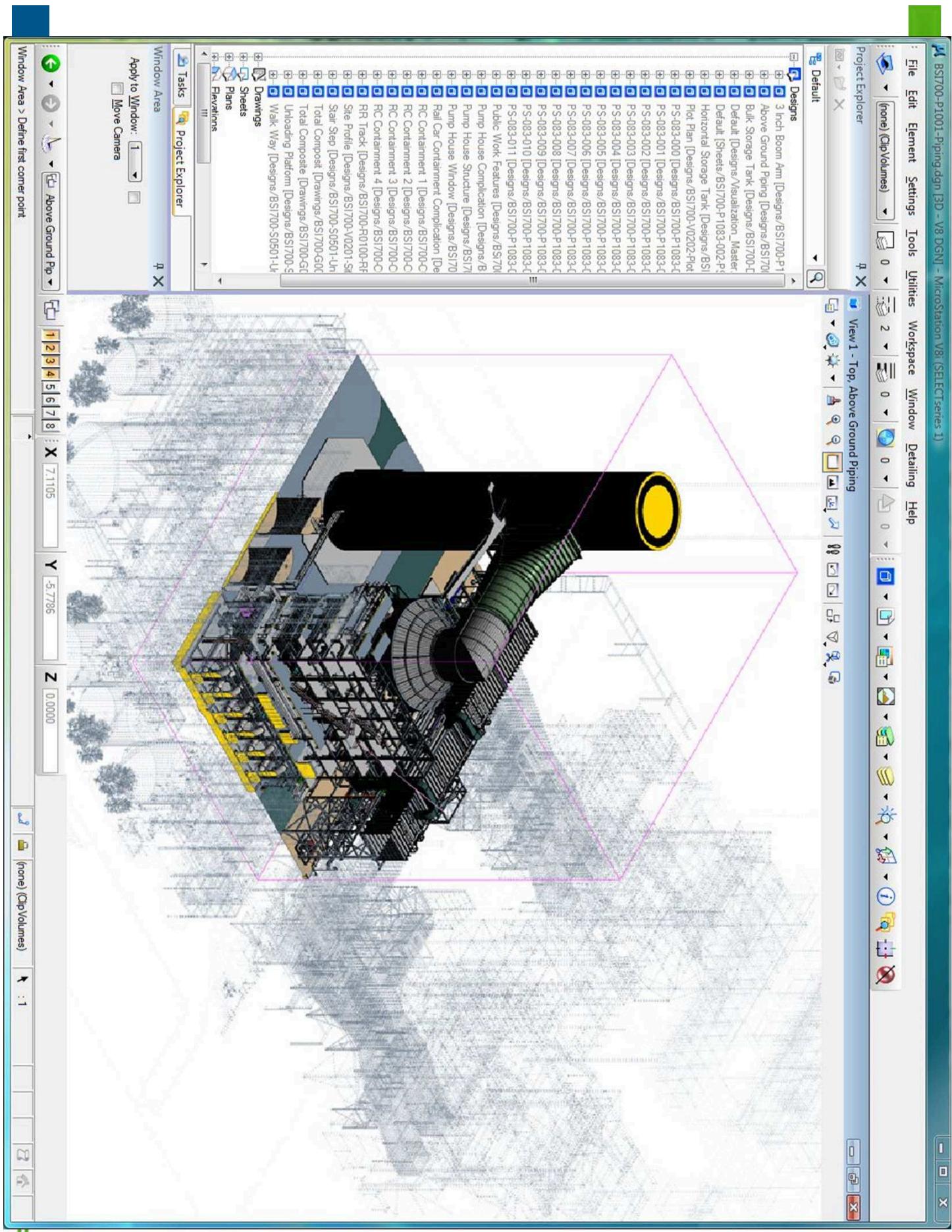


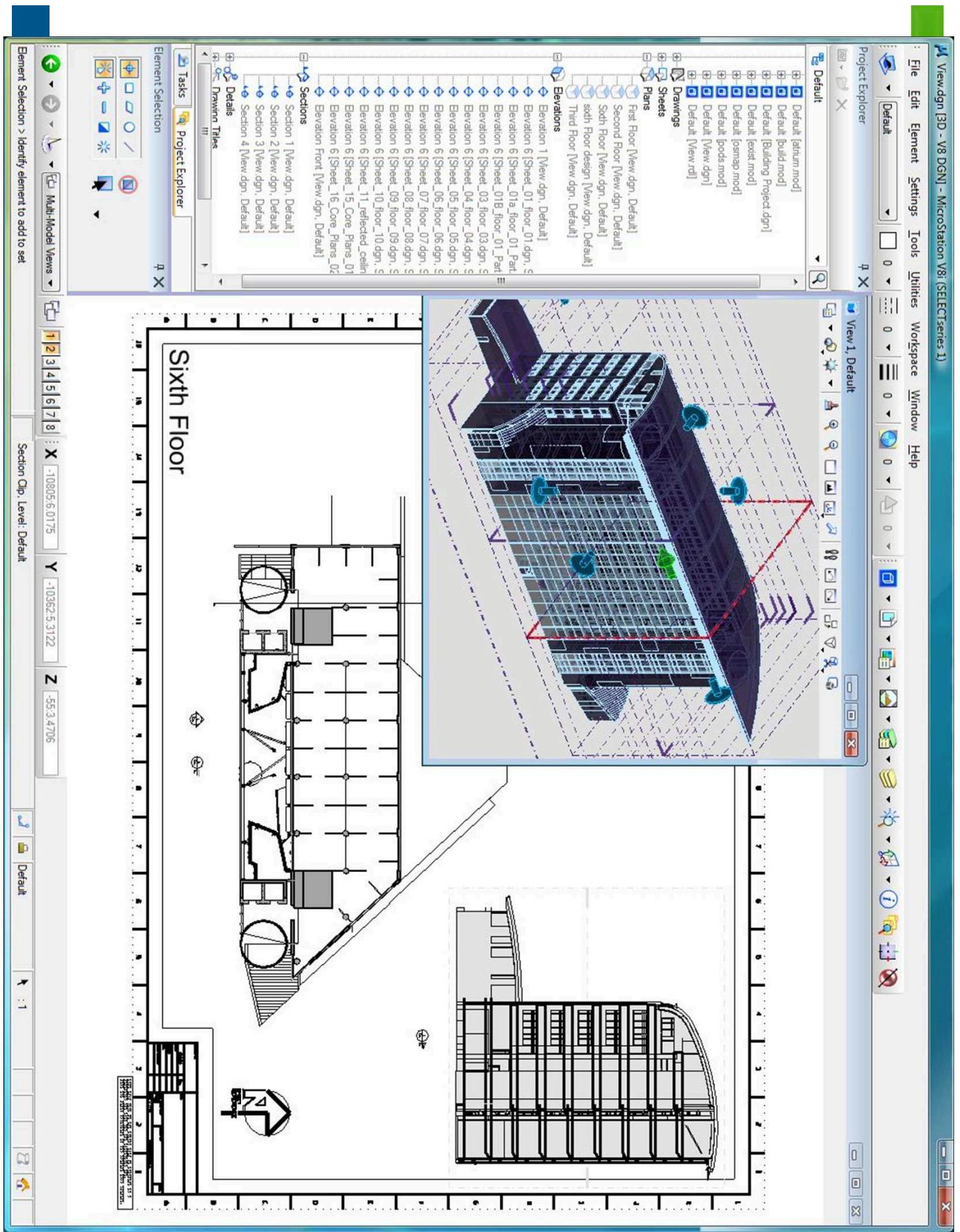
- Major Innovations Coming In MicroStation V8i (SELECTseries 3)

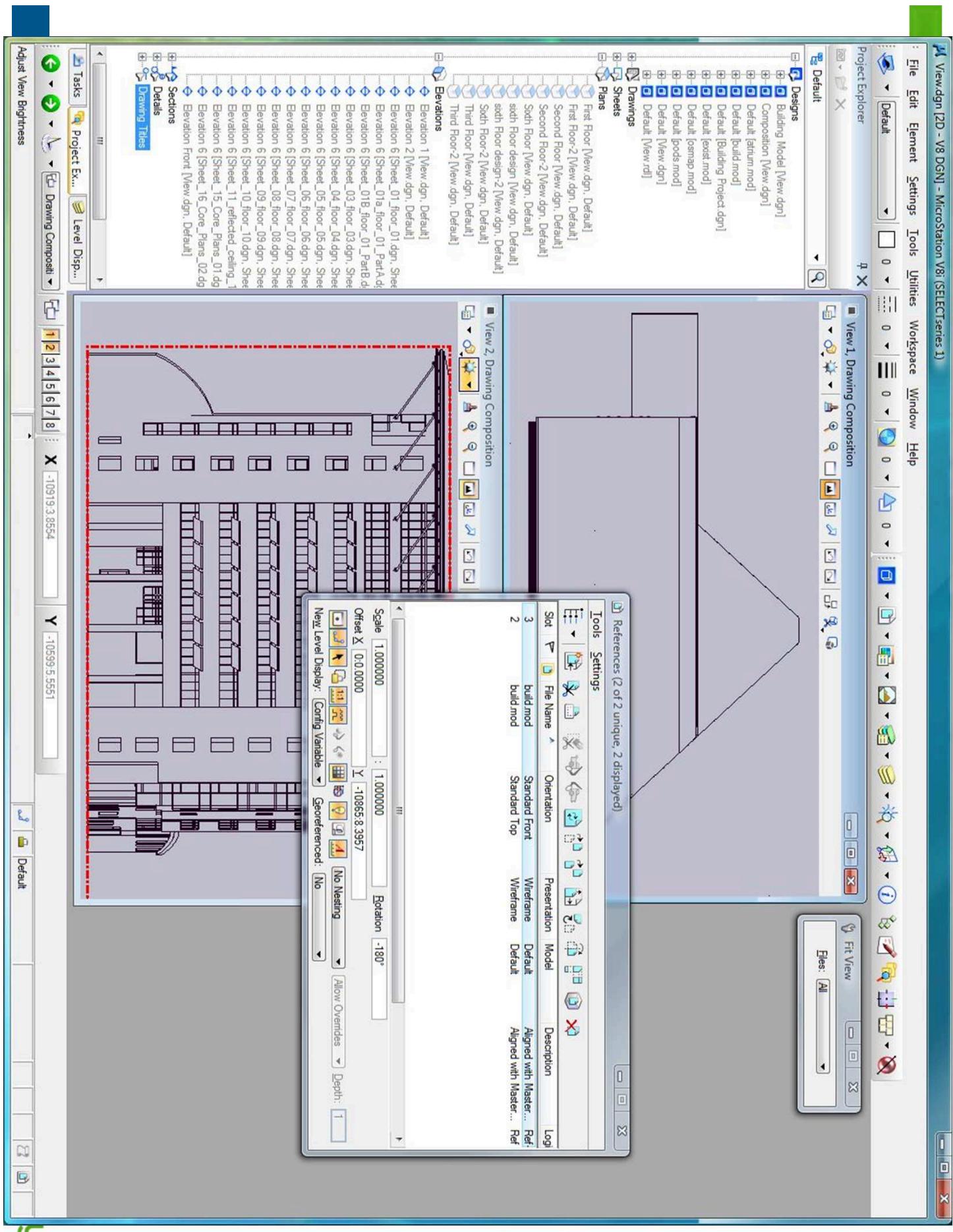
# Why Use Dynamic Views?

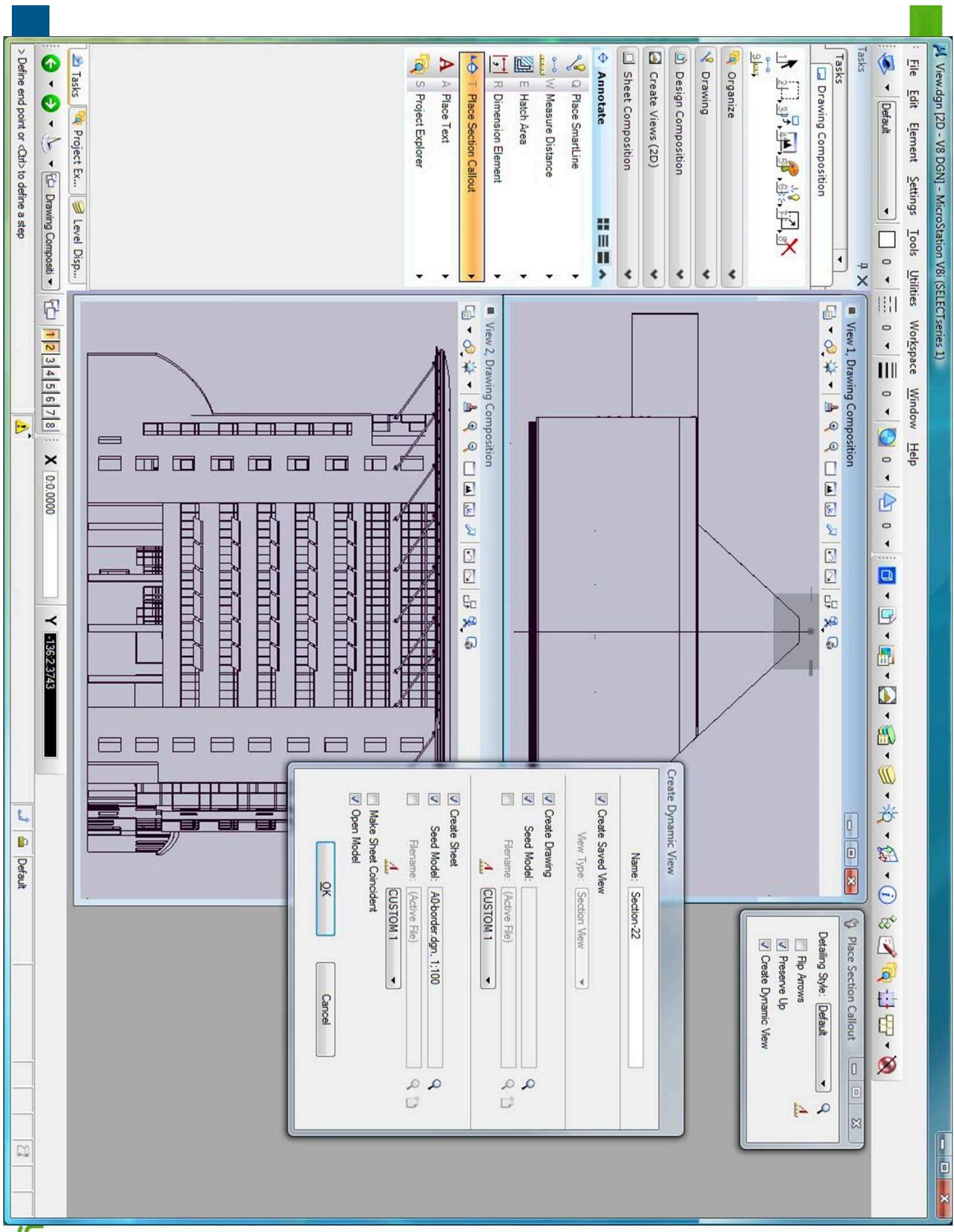
- Synchronize models and drawings to coordinate deliverables
- Simplify and automate the drawing composition process
- Improve drawing package production efficiencies
- Make project information reliable across all design and drawing files
- Slice and filter 3D models to remove clutter and simplify view











View.dgn [2D - V8 DGN] - MicroStation V8i (SELECTseries 1)

File Edit Element Settings Tools Utilities Workspace Window Help

Project Explorer Default

Default

View 1, Section-22 [Sheet]

Section-22 [View.dgn]

design elevation [View.dgn]  
design section 2 [View.dgn]  
Section [New.dgn]

Sheet 1 [Sheet\_01\_floor\_01.dgn]  
Sheet 1 [Sheet\_01a\_floor\_01\_PartA.dg  
Sheet 1 [Sheet\_01B\_floor\_01\_PartB.d  
Sheet 1 [Sheet\_15\_Core\_Plans\_01.dg  
Sheet 1 [Sheet\_16\_Core\_Plans\_02.dg  
Sheet 1 [Sheet\_02\_floor\_02.dgn]  
Sheet 2 [Sheet\_20\_Elevations.dgn]  
Sheet 2 [Sheet\_21\_Elevations.dgn]  
Sheet 2 [Sheet\_22\_Elevations.dgn]  
Sheet 2 [Sheet\_23\_Elevations.dgn]  
Sheet 2 [Sheet\_30\_Sections.dgn]  
Sheet 2 [Sheet\_31\_Sections.dgn]  
Sheet 2 [Sheet\_40\_Wall\_Sections.dg  
Sheet 2 [Sheet\_50\_Section\_Details.dg  
Sheet 3 [Sheet\_03\_floor\_03.dgn]  
Sheet 4 [Sheet\_04\_floor\_04.dgn]  
Sheet 5 [Sheet\_05\_floor\_05.dgn]  
Sheet 6 [Sheet\_06\_floor\_06.dgn]  
Sheet 6 [View.dgn]  
Sheet 7 [Sheet\_07\_floor\_07.dgn]  
Sheet 8 [Sheet\_08\_floor\_08.dgn]  
Sheet 9 [Sheet\_09\_floor\_09.dgn]  
Sheet 10 [Sheet\_10\_floor\_10.dgn]  
Sheet 11 [Sheet\_11\_reflected\_ceiling.d

Plans Elevations Sections

Sections

Section 1 [View.dgn Default]  
Section 2 [View.dgn Default]  
Section 3 [View.dgn Default]  
Section 4 [View.dgn Default]  
Section 5 [View.dgn Default]  
Section 6 [View.dgn Default]  
Section 7 [View.dgn Default]  
Section 8 [View.dgn Default]  
Section [build mod. Default]  
Section-22 [build mod. Default]  
Section-55 [build mod. Default]

Details

Drawings Titles

Element Selection

1 2 3 4 5 6 7 8 X -1338.0 6297 Y 87901.0 9521

File Edit Element Settings Tools Utilities Workspace Window Help

Project Explorer Default

Default

Designs

- Building Model [New.dgn]
- Composition [New.dgn]
- Default [atinum.mod]
- Default [build.mod]
- Default [Building Project.dgn]
- Default [ext.mod]
- Default [fsmap.mod]
- Default [ipods.mod]
- Default [New.dgn]
- Default [New.rdl]

Drawings

- Sheets
- design elevation [New.dgn]
- design section 2 [New.dgn]
- Section [New.dgn]
- Section-22 [New.dgn]
- Section-55 [New.dgn]
- Sheet 1 [Sheet\_01\_floor\_01.dgn]
- Sheet 1 [Sheet\_01a\_floor\_01\_PartA.dg
- Sheet 1 [Sheet\_01B\_floor\_01\_PartB.d
- Sheet 1 [Sheet\_15\_Core\_Plans\_01.dg
- Sheet 1 [Sheet\_16\_Core\_Plans\_02.dg
- Sheet 2 [Sheet\_02\_floor\_02.dgn]
- Sheet 2 [Sheet\_20\_Elevations.dgn]
- Sheet 2 [Sheet\_21\_Elevations.dgn]
- Sheet 2 [Sheet\_22\_Elevations.dgn]
- Sheet 2 [Sheet\_23\_Elevations.dgn]
- Sheet 2 [Sheet\_02\_floor\_02.dgn]
- Sheet 2 [Sheet\_31\_Sections.dgn]
- Sheet 2 [Sheet\_40\_Wall\_Sections.dgn]
- Sheet 2 [Sheet\_50\_Section\_Details.dg
- Sheet 3 [Sheet\_03\_floor\_03.dgn]
- Sheet 4 [Sheet\_04\_floor\_04.dgn]
- Sheet 5 [Sheet\_05\_floor\_05.dgn]
- Sheet 6 [Sheet\_06\_floor\_06.dgn]
- Sheet 6 [New.dgn]
- Sheet 7 [Sheet\_07\_floor\_07.dgn]
- Sheet 8 [Sheet\_08\_floor\_08.dgn]
- Sheet 8 [New.dgn]
- Sheet 9 [Sheet\_09\_floor\_09.dgn]
- Sheet 10 [Sheet\_10\_floor\_10.dgn]
- Sheet 11 [Sheet\_11\_reflected\_ceiling.

Sheets

View 1, 6th Floor Sheet

Fit View

Files: All

Sixth Floor

Y 586,869,7825

Replaced missing RSC font [1] with [CHAR\_FAST\_FONT].

Default

Tasks Project Ex... Level Disp...

Plans Elevations Sections

Section 1 [View.dgn, Default]

Display complete

**File Edit Element Settings Tools Utilities Workspace Window Help**

**Project Explorer**

**Default**

**Designs**

- Building Model [New.dgn]
- Composition [New.dgn]
- Default [Autodesk]
- Default [Build mod]
- Default Project.dgn
- Default [existing mod]
- Default [osmapi mod]
- Default [ports.mod]
- Default [New.dgn]
- Default [New.rdl]
- Drawings**
- Sheets
- design elevation [New.dgn]
- design section 2 [New.dgn]
- Section [New.dgn]
- Section-22 [New.dgn]
- Section-55 [New.dgn]
- Sheet\_01\_floor\_01
- Sheet\_01a\_floor\_01\_PartA
- Sheet\_01B\_floor\_01\_PartB
- Sheet\_02\_floor\_02
- Sheet\_03\_floor\_03
- Sheet\_04\_floor\_04
- Sheet\_05\_floor\_05
- Sheet\_06\_floor\_06
- Sheet\_07\_floor\_07
- Sheet\_08\_floor\_08
- Sheet\_09\_floor\_09
- Sheet\_10\_floor\_10
- Sheet\_11\_reflected\_ceiling\_1
- Sheet\_12\_reflected\_ceiling\_2
- Sheet\_13\_reflected\_ceiling\_3
- Sheet\_14\_reflected\_ceiling\_4
- Sheet\_15\_Core\_Plans\_01
- Sheet\_16\_Core\_Plans\_02
- Sheet\_17\_Elevations
- Sheet\_18\_Elevations
- Sheet\_19\_Elevations
- Sheet\_20\_Elevations
- Sheet\_21\_Elevations
- Sheet\_22\_Elevations

**BuildingDV.pset - Print Organizer**

**File Edit View Tools**

Name	File Name	Model	View Group	Paper Size
Sheet_01_floor_01	Sheet_01_floor_01.dgn	Default	ANSIA	ANSIA
Sheet_01a_floor_01_PartA	Sheet_01a_floor_01_PartA.dgn	Default	ANSIA	ANSIA
Sheet_01B_floor_01_PartB	Sheet_01B_floor_01_PartB.dgn	Default	ANSIA	ANSIA
Sheet_02_floor_02	Sheet_02_floor_02.dgn	Default	ANSIA	ANSIA
Sheet_03_floor_03	Sheet_03_floor_03.dgn	Default	ANSIA	ANSIA
Sheet_04_floor_04	Sheet_04_floor_04.dgn	Default	ANSIA	ANSIA
Sheet_05_floor_05	Sheet_05_floor_05.dgn	Default	ANSIA	ANSIA
Sheet_06_floor_06	Sheet_06_floor_06.dgn	Default	ANSIA	ANSIA
Sheet_07_floor_07	Sheet_07_floor_07.dgn	Default	ANSIA	ANSIA
Sheet_08_floor_08	Sheet_08_floor_08.dgn	Default	ANSIA	ANSIA
Sheet_09_floor_09	Sheet_09_floor_09.dgn	Default	ANSIA	ANSIA
Sheet_10_floor_10	Sheet_10_floor_10.dgn	Default	ANSIA	ANSIA
Sheet_11_reflected_ceiling_1	Sheet_11_reflected_ceiling_1.dgn	Default	ANSIA	ANSIA
Sheet_12_reflected_ceiling_2	Sheet_12_reflected_ceiling_2.dgn	Default	ANSIA	ANSIA
Sheet_13_reflected_ceiling_3	Sheet_13_reflected_ceiling_3.dgn	Default	ANSIA	ANSIA
Sheet_14_reflected_ceiling_4	Sheet_14_reflected_ceiling_4.dgn	Default	ANSIA	ANSIA
Sheet_15_Core_Plans_01	Sheet_15_Core_Plans_01.dgn	Default	ANSIA	ANSIA
Sheet_16_Core_Plans_02	Sheet_16_Core_Plans_02.dgn	Default	ANSIA	ANSIA
Sheet_17_Elevations	Sheet_17_Elevations.dgn	Default	ANSIA	ANSIA
Sheet_18_Elevations	Sheet_18_Elevations.dgn	Default	ANSIA	ANSIA
Sheet_19_Elevations	Sheet_19_Elevations.dgn	Default	ANSIA	ANSIA
Sheet_20_Elevations	Sheet_20_Elevations.dgn	Default	ANSIA	ANSIA
Sheet_21_Elevations	Sheet_21_Elevations.dgn	Default	ANSIA	ANSIA
Sheet_22_Elevations	Sheet_22_Elevations.dgn	Default	ANSIA	ANSIA

**Fit View**

**Files:** All

**Print set C:\Demo\Workspace\DV\Seminar\data\BuildingDV.pset' saved**

**Tasks** **Project Ex...** **Level Disp...**

**Plans** **Elevations** **Sections**

**Section 1 [View.dgn, Default]**

**6th Floor Sheet View**

**1 2 3 4 5 6 7 8**

**X 659.145.1271 Y 600.805.7630**

**Sixth Floor**

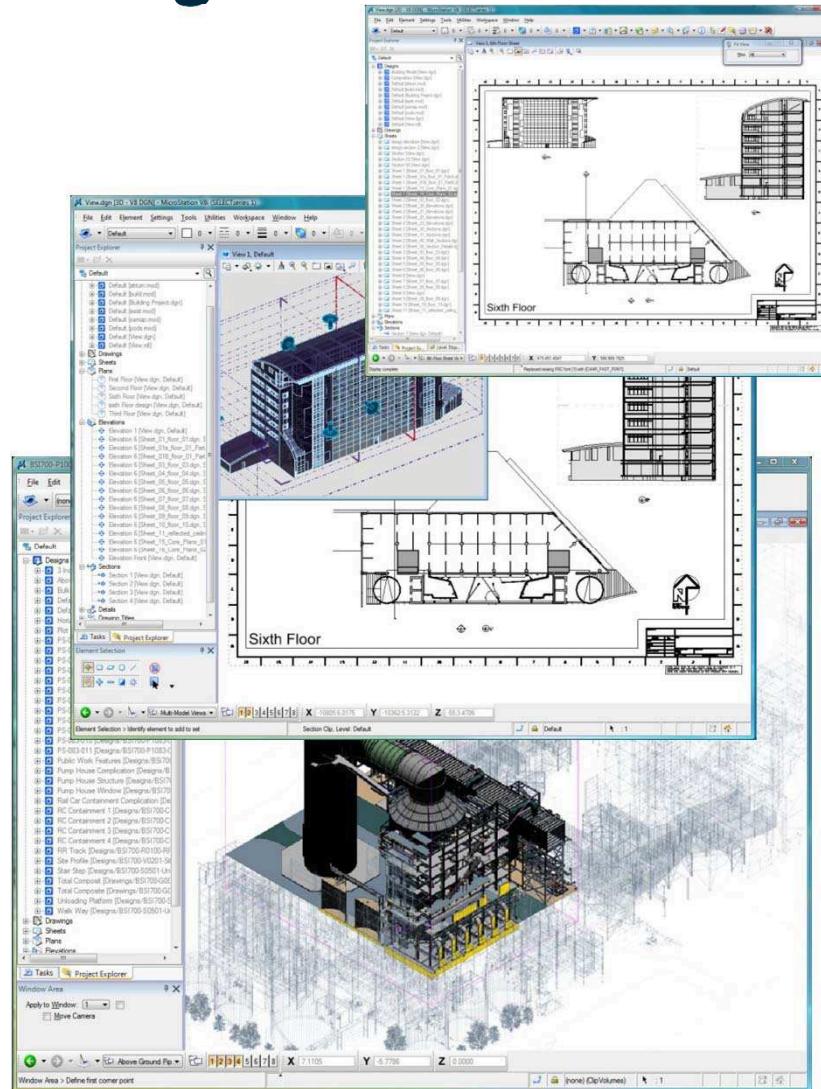
**© 2010 Bentley Systems, Incorporated**

: File Edit Element Settings Tools Utilities Workspace Window Help  
 G6431-T\_Luminaires Tasks



# The Dynamic Views Advantage

- Save Time
  - Automate 3D/2D updates
  - Eliminate repetitive tasks
  - Streamline drawing composition
  - Simplify user interaction
- Save Money
  - Improve productivity
  - Reduce risk of errors
- Improve Quality
  - Make design information reliable
  - Produce data-rich deliverables

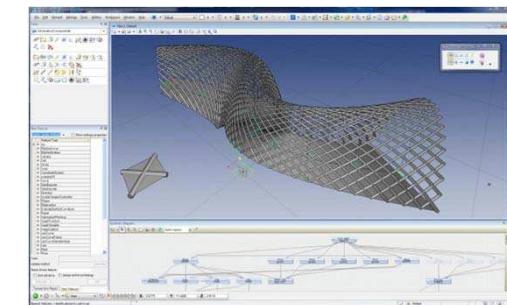
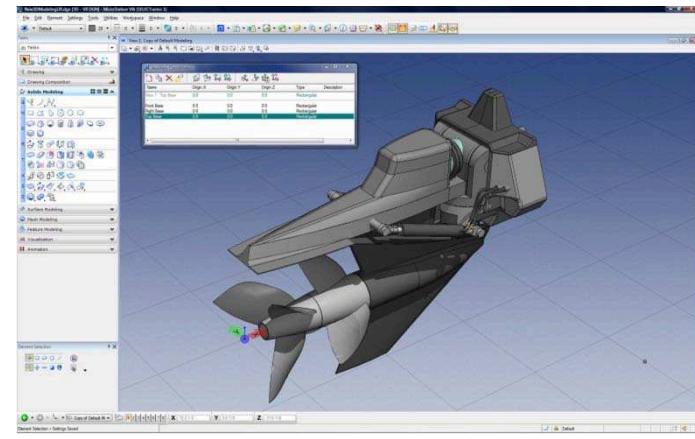


# MicroStation V8i (SELECTseries 2)

Intuitive Design Modeling

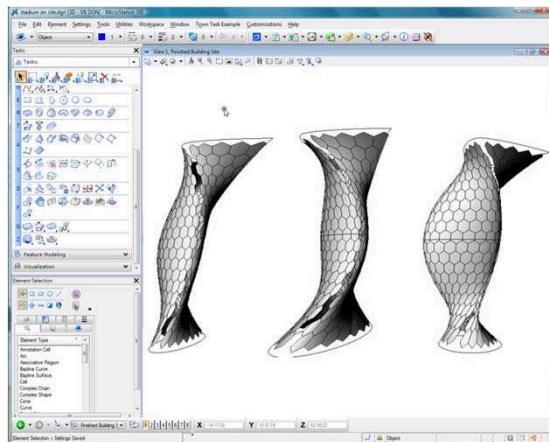
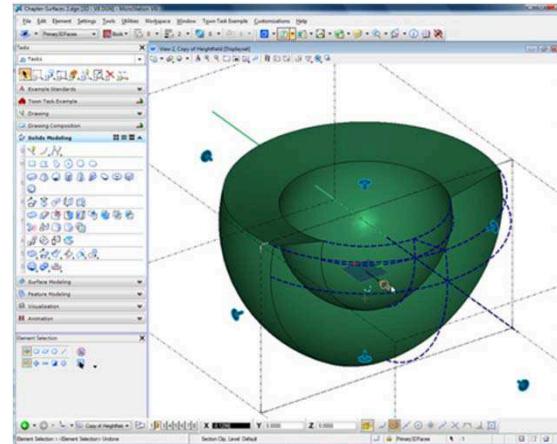
# MicroStation V8i (SELECTseries 2)

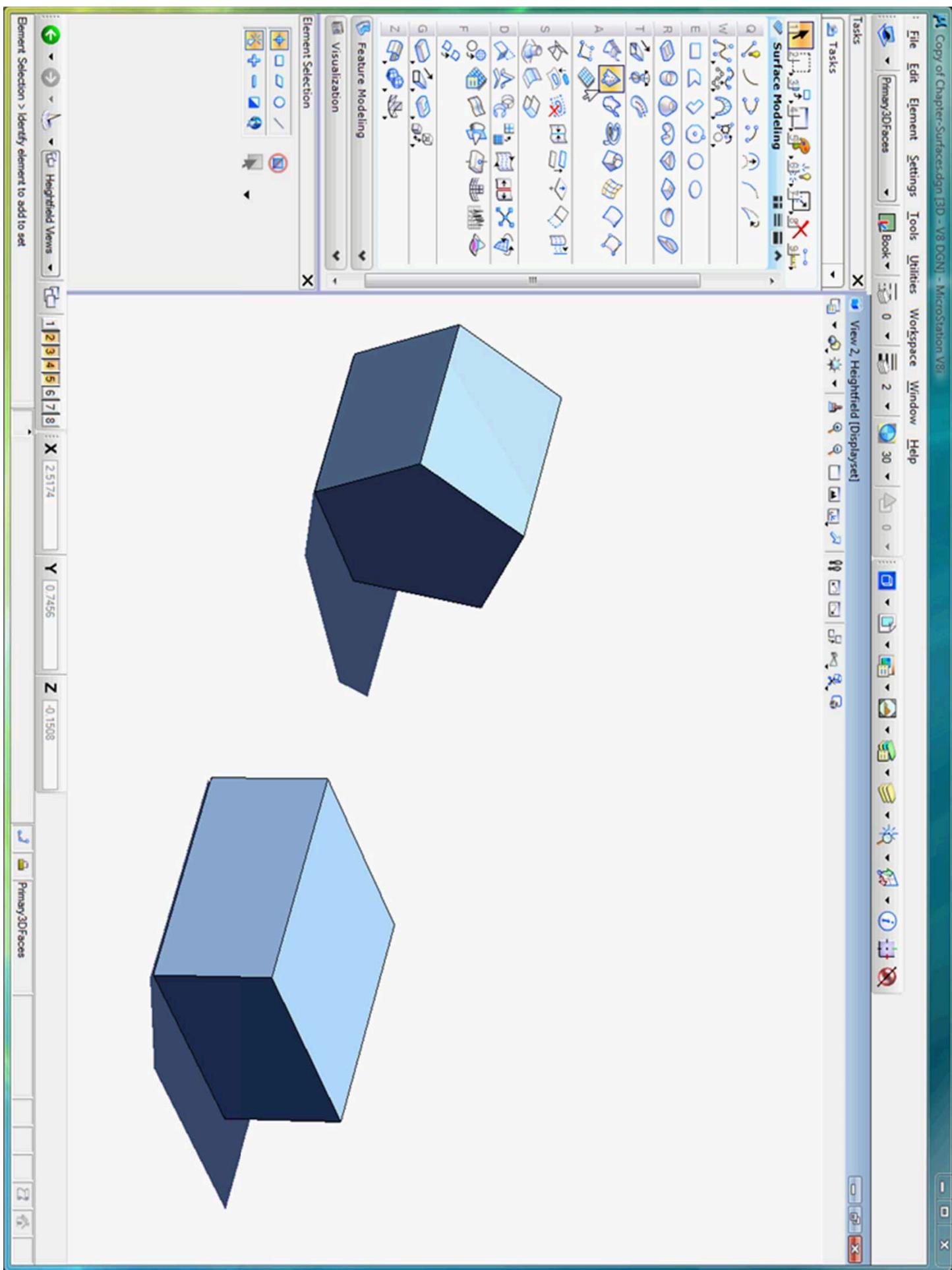
- Intuitive Design Modeling
  - Intuitive New Modeling tools
  - Precise Freeform Modeling tools
  - 3D Printing
  - GenerativeComponents Extension
- New in MicroStation V8i (SELECTseries 2)
  - GenerativeComponents Symbolic Diagram
  - GenerativeComponents Element Sensors

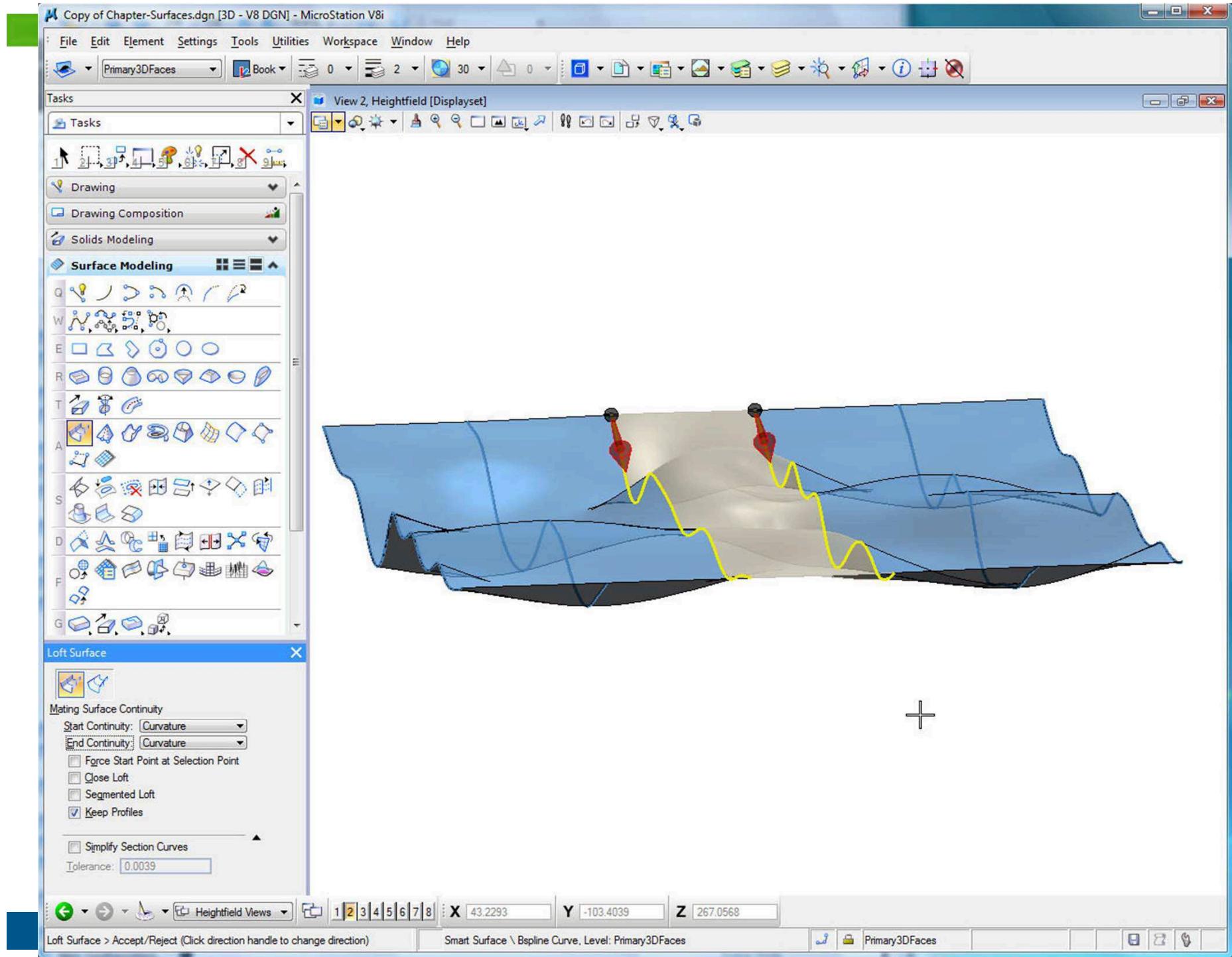


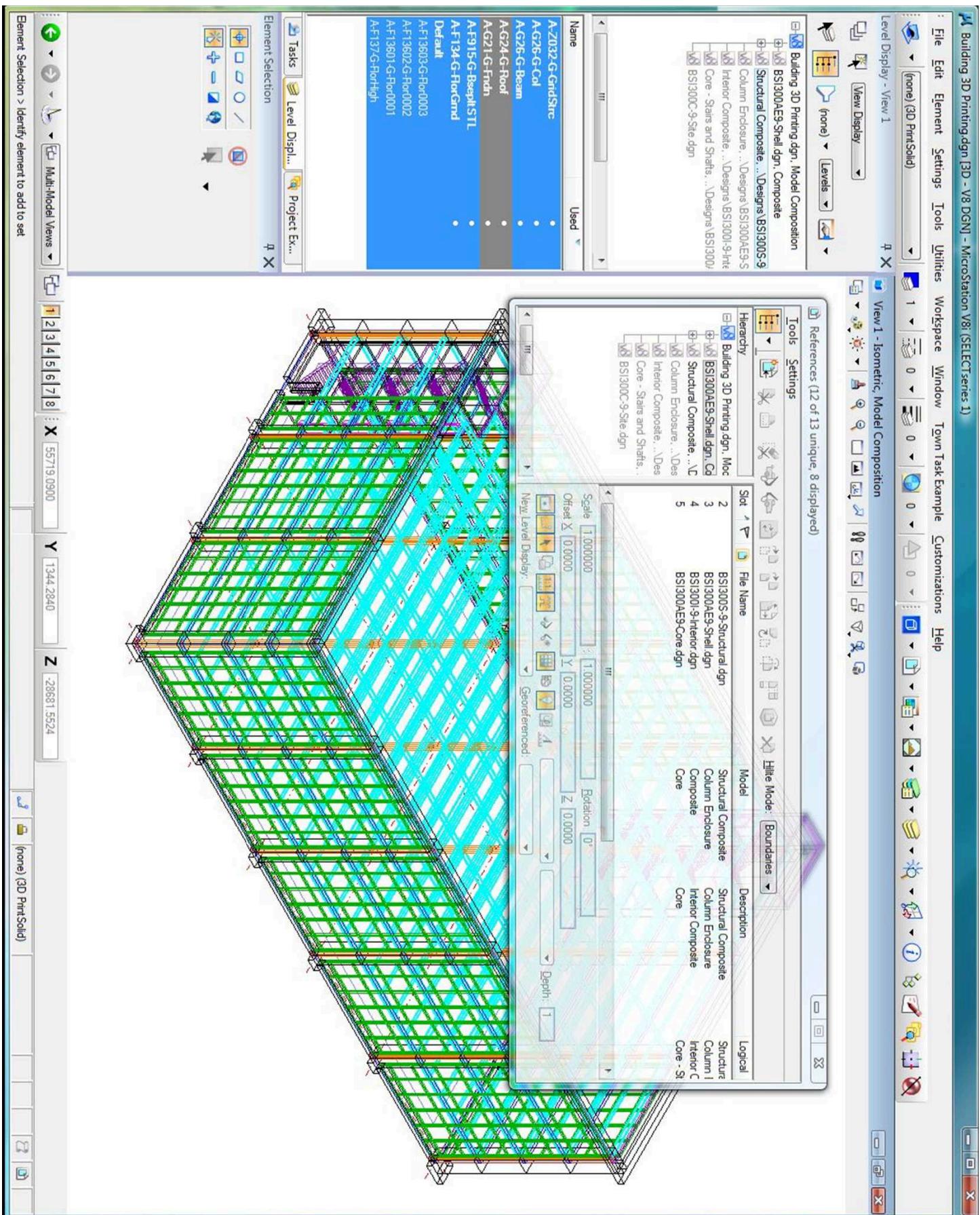
# Why Make It “Intuitive”?

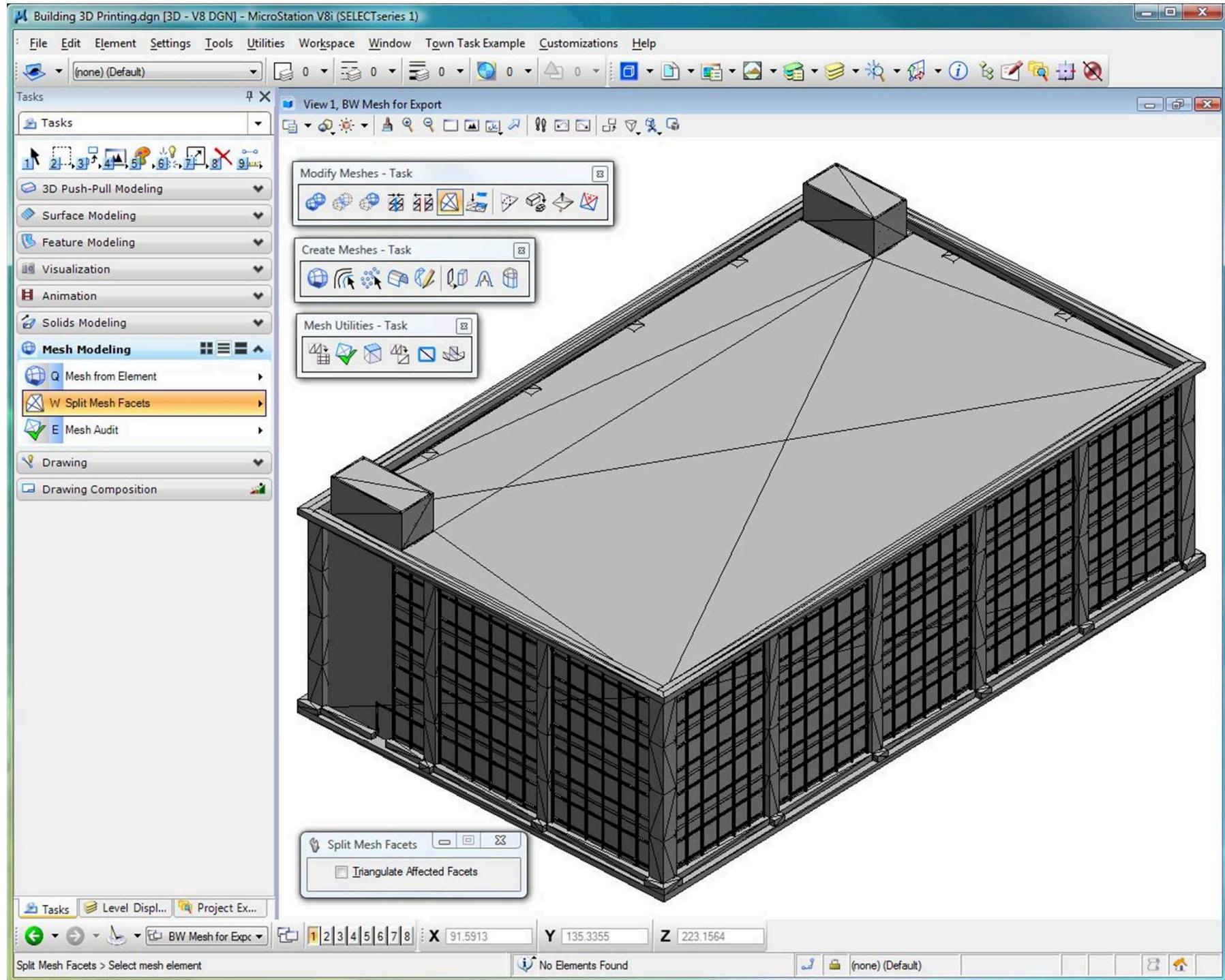
- Satisfy all modeling needs using a single 3d modeling application
- Move models from one design stage to the next without lossy translations
- Model intuitively to create more versatile design models
- Edit models by simply pushing on and pulling at 3d faces
- Generate parametric design models for rapid iteration through design options

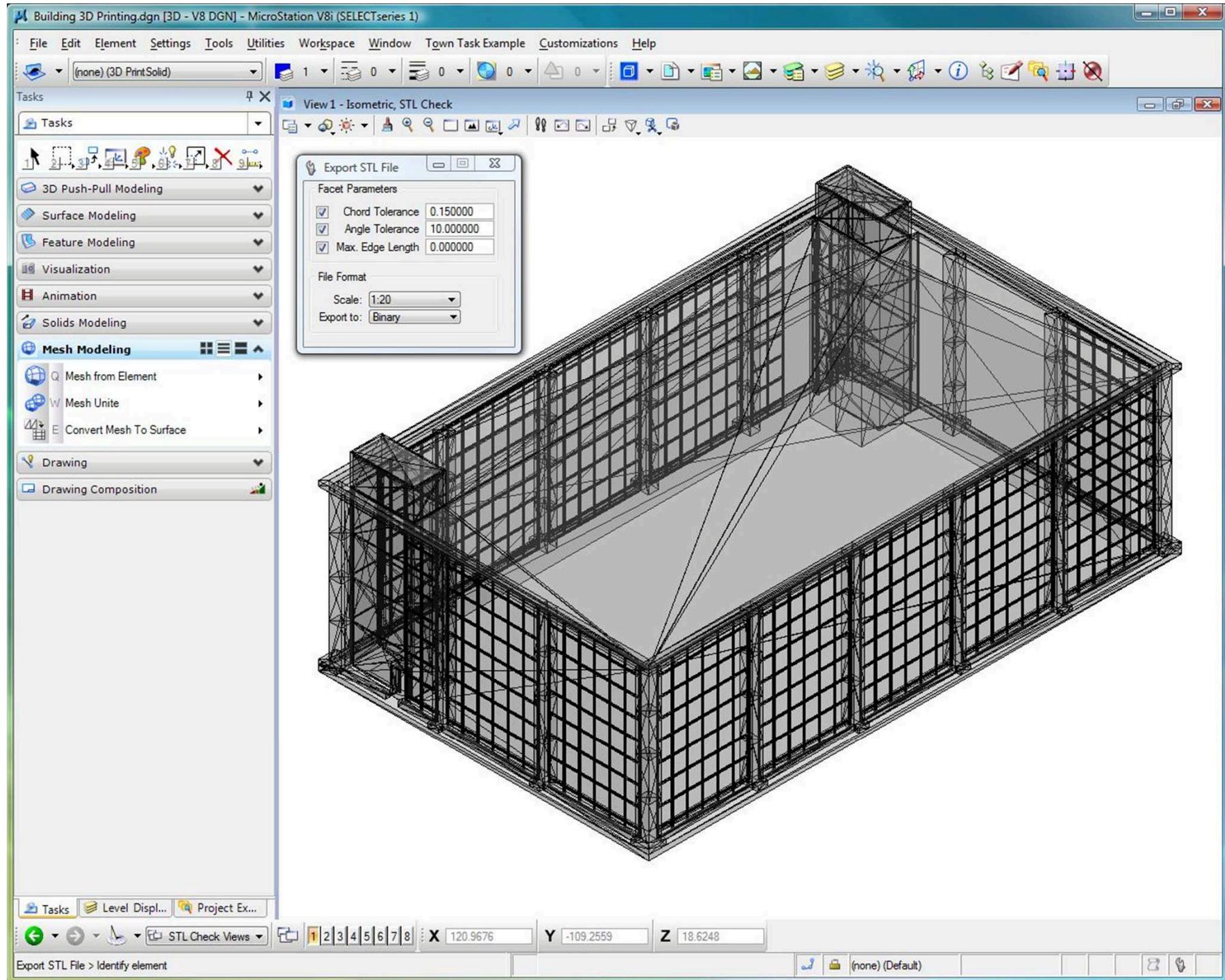


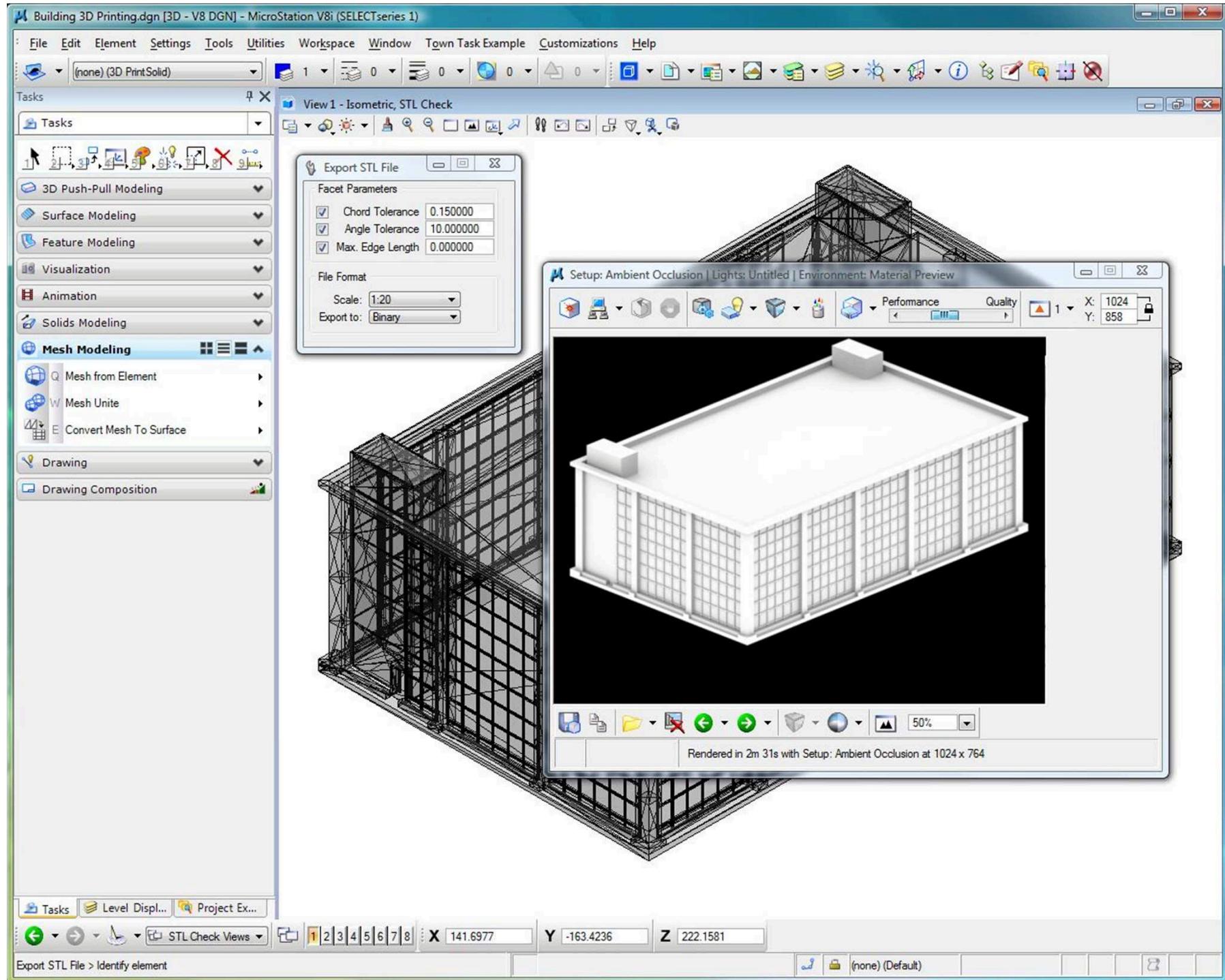






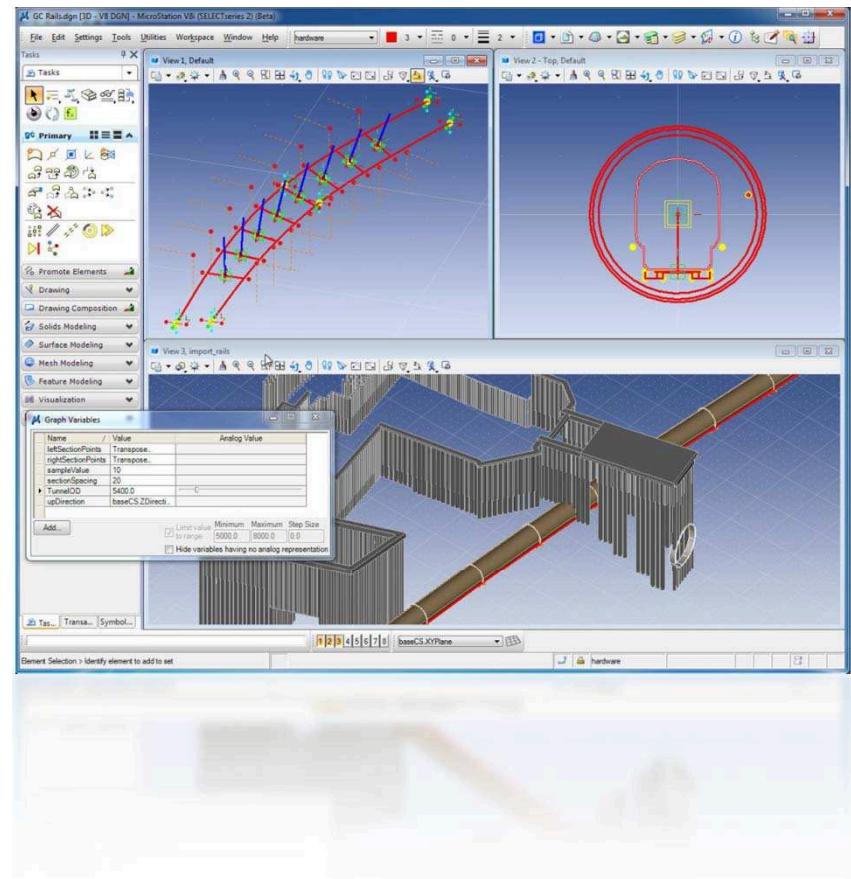






# GenerativeComponents Extension

- Automate design processes and accelerate design iterations
- Pursue designs and achieve results that were virtually unthinkable before
- Leverage the power and flexibility of computational design and associative parametric modeling



File Edit Settings Tools Utilities Workspace Window Help

Tasks

**gc Primary**

- W
- E
- Promote Elements
- Drawing
- Drawing Composition

Tasks Level Display - View 4

Transactions

	Transaction
1	left and right rails
2	span lines on sample points and GV
3	center point
4	interpolated centerline
5	plane for finding tie points by intersection and spacing GV
6	change visibility and construction
7	leftSectionPoints, rightSectionPoints GV's
8	cs_cant and ties
9	upDirection GV
10	cs_WW
11	addTunnelProfile
12	Add TunnelID GV and use it
13	Add CS_host_train_env
14	transformed cs for copying tunnel sections
15	train envelope reference file - SUPPRESS IF ATTACHING DGN
16	Add elemSensor2 on
17	create curve from element sensor on envelope reference
18	add tunnel sections to track
19	create walkway construction geometry
20	walkway edge lines
21	SURFACEES walkway surfaces
22	SURFACES train and tunnel surfaces
23	Add ExportTunnel
24	Pause, reassign to existing rails
25	create element sensor on rails in new model
26	create exg_rail01, exg_rail02 curves
27	reassign sampleOnCurvePoint, samplePoint to exg_rails and c

View 1 - Rail Rig, Default

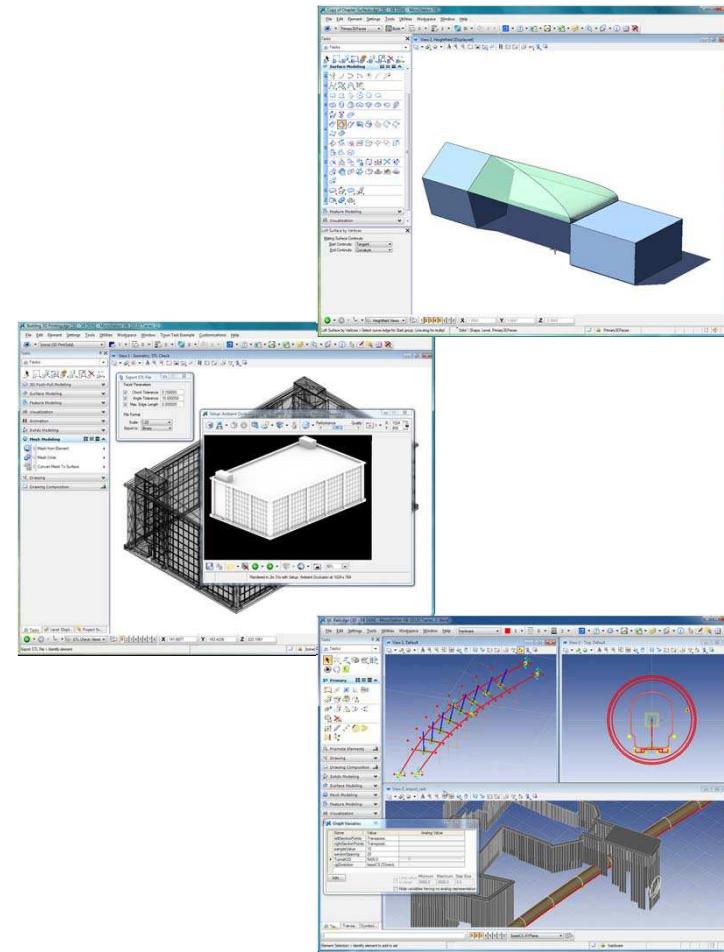
View 4 - Tunnel Rig, Default

baseCSXPlane

hardware

# The Intuitive Modeling Advantage

- Save Time
  - Create and edit models faster
  - Avoid duplicating effort
  - Streamline 3D printing process
  - Reuse models from 3<sup>rd</sup> parties
- Improve Quality
  - Integrate design data
  - Eliminate unnecessary detail
- Save Money
  - Maintain fewer 3D applications
  - Pressure-test digital model before printing to 3D media reduces waste

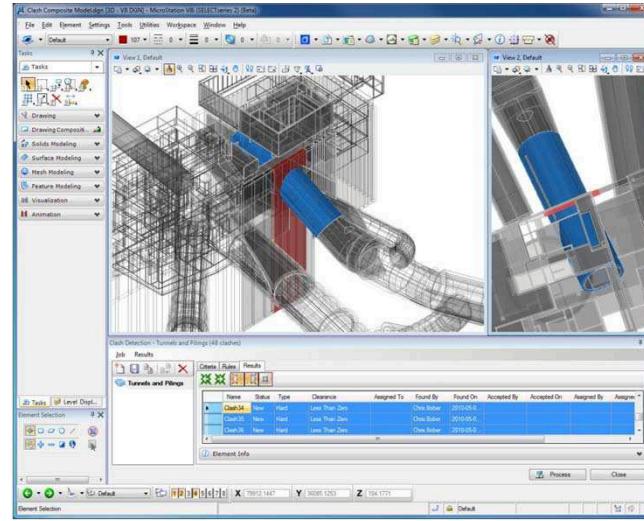


# MicroStation V8i (SELECTseries 2)

Insightful Design Review

# MicroStation V8i (SELECTseries 2)

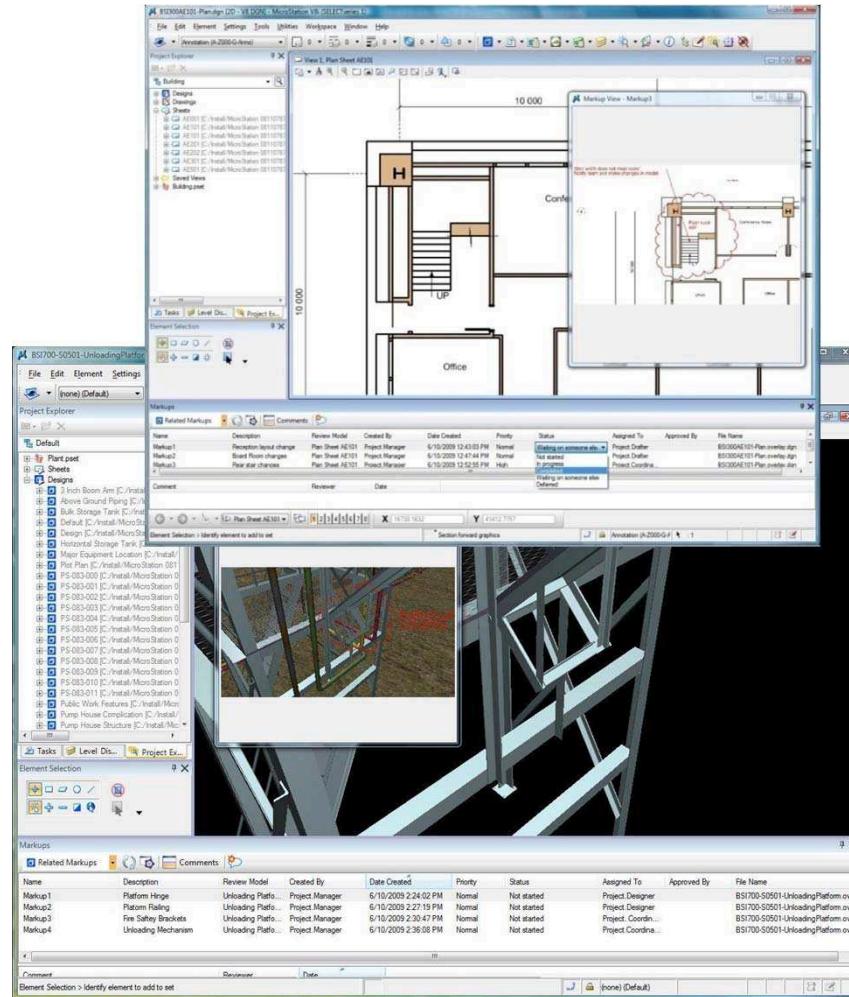
- Insightful Design Review
  - Overlay Files
  - Mark up Manager
  - i-model Creation



- New in MicroStation V8i (SELECTseries 2)
  - ProjectWise Clash Detection\*
  - ProjectWise Schedule Simulation\*
  - \*Requires ProjectWise Visa

# Why Review Designs on Screen?

- Eliminate rooms full of drawings and review designs electronically
- Assemble and review multiple files to coordinate and analyze design decisions
- Enable multi-discipline project teams to add comments to project designs
- Track comment status using the design review mark-up dialog
- Publish all design information to an optimized 3d model file format for interactive review



BSI300AE101-Plan.dgn [2D - V8 DGN] - MicroStation V8i (SELECTseries 1)

File Edit Element Tools Utilities Workspace Window Help

Annotation (A-Z000-G-Anno) Project Explorer

Building

Designs Drawings Sheets

- AE001 [C:/Install/MicroStation 08110787]
- AE101 [C:/Install/MicroStation 08110787]
- AE101 [C:/Install/MicroStation 08110787]
- AE101 [C:/Install/MicroStation 08110787]
- AE201 [C:/Install/MicroStation 08110787]
- AE202 [C:/Install/MicroStation 08110787]
- AE301 [C:/Install/MicroStation 08110787]
- AE501 [C:/Install/MicroStation 08110787]

Saved Views Building.pset

View 1, Plan Sheet AE101

Markups

Related Markups Comments

Name	Description	Review Model	Created By	Date Created	Priority	Status	Assigned To	Approved By	File Name
Markup1	Reception layout change	Plan Sheet AE101	Project.Manager	6/10/2009 12:43:03 PM	Normal	Waiting on someone else	Project.Drafter		BSI300AE101-Plan.overlay.dgn
Markup2	Board Room changes	Plan Sheet AE101	Project.Manager	6/10/2009 12:47:44 PM	Normal	Waiting on someone else	Project.Drafter		BSI300AE101-Plan.overlay.dgn
Markup3	Rear stair changes	Plan Sheet AE101	Project.Manager	6/10/2009 12:52:55 PM	High	Not started	Project.Coordina...		BSI300AE101-Plan.overlay.dgn

Tasks

Fit View

Comment Reviewer Date

Markups

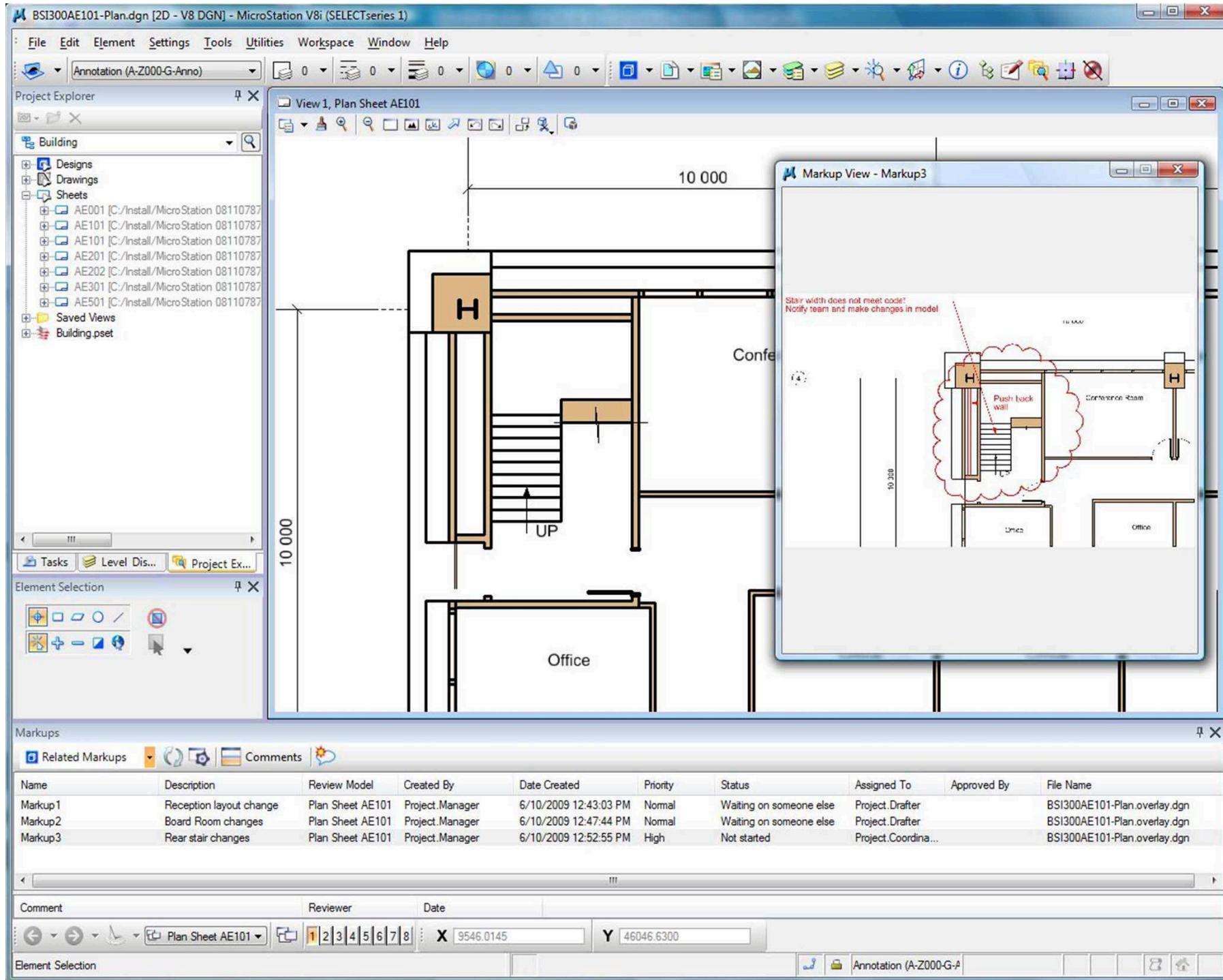
Related Markups Comments

Name	Description	Review Model	Created By	Date Created	Priority	Status	Assigned To	Approved By	File Name
Markup1	Reception layout change	Plan Sheet AE101	Project.Manager	6/10/2009 12:43:03 PM	Normal	Waiting on someone else	Project.Drafter		BSI300AE101-Plan.overlay.dgn
Markup2	Board Room changes	Plan Sheet AE101	Project.Manager	6/10/2009 12:47:44 PM	Normal	Waiting on someone else	Project.Drafter		BSI300AE101-Plan.overlay.dgn
Markup3	Rear stair changes	Plan Sheet AE101	Project.Manager	6/10/2009 12:52:55 PM	High	Not started	Project.Coordina...		BSI300AE101-Plan.overlay.dgn

Comment Reviewer Date

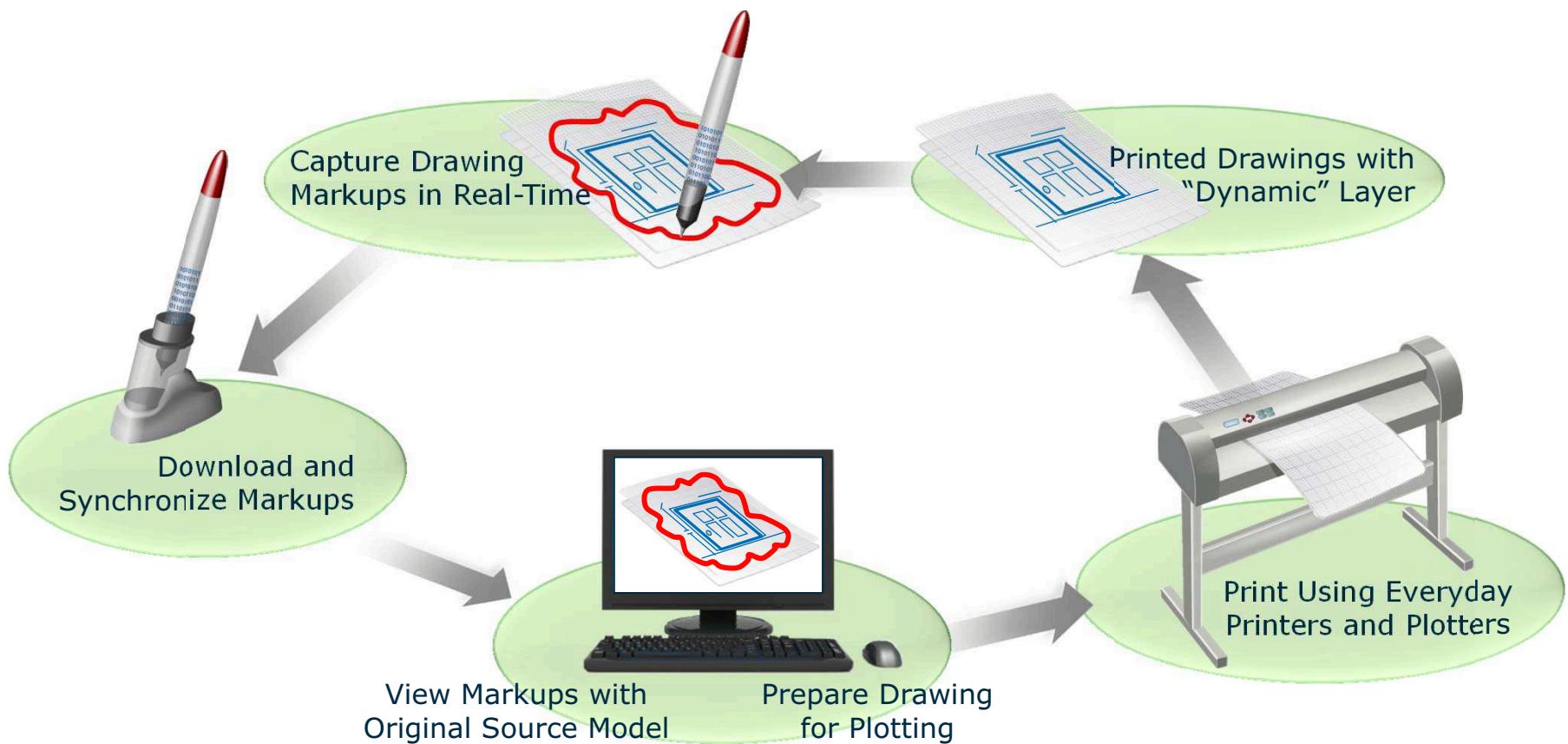
Plan Sheet AE101 1 2 3 4 5 6 7 8 X 59526.9305 Y 54733.3833 Annotation (A-Z000-G-A)

Bentley





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File Edit Element Settings Tools Utilities Workspace Window Detailing Help

(none) (Default) 0 0 0 0 0 0

Project Explorer

Default

Plant/pset Sheets Designs

3 Inch Boom Arm [C:/Install/MicroStation 08110]

Above Ground Piping [C:/Install/MicroStation 08110]

Bulk Storage Tank [C:/Install/MicroStation 08110]

Default [C:/Install/MicroStation 08110]

Design [C:/Install/MicroStation 08110]

Horizontal Storage Tank [C:/Install/MicroStation 08110]

Major Equipment Location [C:/Install/MicroStation 08110]

Pilot Plan [C:/Install/MicroStation 08110]

PS-083-001 [C:/Install/MicroStation 0]

PS-083-002 [C:/Install/MicroStation 0]

PS-083-003 [C:/Install/MicroStation 0]

PS-083-004 [C:/Install/MicroStation 0]

PS-083-005 [C:/Install/MicroStation 0]

PS-083-006 [C:/Install/MicroStation 0]

PS-083-007 [C:/Install/MicroStation 0]

PS-083-008 [C:/Install/MicroStation 0]

PS-083-009 [C:/Install/MicroStation 0]

PS-083-010 [C:/Install/MicroStation 0]

PS-083-011 [C:/Install/MicroStation 0]

Public Work Features [C:/Install/MicroStation 0]

Pump House Complication [C:/Install/MicroStation 0]

Pump House Structure [C:/Install/MicroStation 0]

Unloading Mechanism [C:/Install/MicroStation 0]

View 2 - Markup1, Unloading Platform

Markup View - Markup1

Element Selection

Tasks Level Dis... Project Ex...

Markups

Related Markups Comments

Name	Description	Review Model	Created By	Date Created	Priority	Status	Assigned To	Approved By	File Name
Markup1	Platform Hinge	Project Manager	6/10/2009 2:24:02 PM	Normal	Not started	Project Designer			BSI700-S0501-UnloadingPlatform.ove.
Markup2	Platform Railing	Project Manager	6/10/2009 2:27:19 PM	Normal	Not started	Project Designer			BSI700-S0501-UnloadingPlatform.ove.
Markup3	Fire Safety Brackets	Project Manager	6/10/2009 2:30:47 PM	Normal	Not started	Project Coordinator			BSI700-S0501-UnloadingPlatform.ove.
Markup4	Unloading Mechanism	Project Manager	6/10/2009 2:36:08 PM	Normal	Not started	Project Coordinator			BSI700-S0501-UnloadingPlatform.ove.

Comment Reviewer Date

Element Selection > Identify element to add to set

BS700-S0501-UnloadingPlatform.dgn [3D - V8 DGN] - MicroStation V8i (SELECTseries 1)

File Edit Element Settings Tools Utilities Workspace Window Detailing Help

(none) (Default)

Project Explorer

Default

Plant poset  
Sheets  
Designs

3 Inch Boom Arm [C:/Install/MicroStation]  
Above Ground Riping [C:/Install/MicroStation]  
Bulk Storage Tank [C:/Install/MicroStation]  
Default [C:/Install/MicroStation 0811C]  
Design [C:/Install/MicroStation 0811C]  
Horizontal Storage Tank [C:/Install/MicroStation]  
Major Equipment Location [C:/Install/MicroStation]  
Plot Plan [C:/Install/MicroStation 0811C]  
PS-083-001 [C:/Install/MicroStation 0]  
PS-083-002 [C:/Install/MicroStation 0]  
PS-083-003 [C:/Install/MicroStation 0]  
PS-083-004 [C:/Install/MicroStation 0]  
PS-083-005 [C:/Install/MicroStation 0]  
PS-083-006 [C:/Install/MicroStation 0]  
PS-083-007 [C:/Install/MicroStation 0]  
PS-083-008 [C:/Install/MicroStation 0]  
PS-083-009 [C:/Install/MicroStation 0]  
PS-083-010 [C:/Install/MicroStation 0]  
PS-083-011 [C:/Install/MicroStation 0]  
Public Work Features [C:/Install/MicroStation]  
Pump House Complication [C:/Install/MicroStation]  
Pump House Structure [C:/Install/MicroStation]

View 2 - Markup1, Unloading platform

Markup View - Markup1

Markup View - Markup1

Tasks Level Dis... Project Ex...

Related Markups

Comments

Element Selection

Markups

Reviewer Date

Comment

Unloading Platform

1 2 3 4 5 6 7 8 X 566.0797 Y 98.0044 Z 449.9815

Element Selection > Identify element to add to set

Name	Description	Review Model	Created By	Date Created	Priority	Status	Assigned To	Approved By	File Name
Markup1	Platform Hinge	Unloading Platfo...	Project Manager	6/10/2009 2:24:02 PM	Normal	Not started	Project Designer		BS700-S0501-UnloadingPlatform.ove.
Markup2	Platform Railing	Unloading Platfo...	Project Manager	6/10/2009 2:27:19 PM	Normal	Not started	Project Designer		BS700-S0501-UnloadingPlatform.ove.
Markup3	Fire Safety Buckets	Unloading Platfo...	Project Manager	6/10/2009 2:30:47 PM	Normal	Not started	Project Coordinator		BS700-S0501-UnloadingPlatform.ove.
Markup4	Unloading Mechanism	Unloading Platfo...	Project Manager	6/10/2009 2:36:08 PM	Normal	Not started	Project Coordinator		BS700-S0501-UnloadingPlatform.ove.

File Edit Element Settings Tools Utilities Workspace Window Detailing Help

(none) (Default)

Project Explorer

Default

- Plant.pset
- Sheets
- Designs
- 3 Inch Boom Arm [C:/Install/MicroStation]
- Above Ground Piping [C:/Install/MicroStation]
- Bulk Storage Tank [C:/Install/MicroStation]
- Default [C:/Install/MicroStation 08110]
- Design [C:/Install/MicroStation 08110]
- Horizontal Storage Tank [C:/Install/MicroStation]
- Major Equipment Location [C:/Install/MicroStation]
- Plot Plan [C:/Install/MicroStation 08110]
- PS-083-000 [C:/Install/MicroStation 0]
- PS-083-001 [C:/Install/MicroStation 0]
- PS-083-002 [C:/Install/MicroStation 0]
- PS-083-003 [C:/Install/MicroStation 0]
- PS-083-004 [C:/Install/MicroStation 0]
- PS-083-005 [C:/Install/MicroStation 0]
- PS-083-006 [C:/Install/MicroStation 0]
- PS-083-007 [C:/Install/MicroStation 0]
- PS-083-008 [C:/Install/MicroStation 0]
- PS-083-009 [C:/Install/MicroStation 0]
- PS-083-010 [C:/Install/MicroStation 0]
- PS-083-011 [C:/Install/MicroStation 0]
- Public Work Features [C:/Install/MicroStation]
- Pump House Complication [C:/Install/MicroStation]
- Pump House Structure [C:/Install/MicroStation]

View 2, Unloading Platform

Markup View - Markup4

Markup View - Markup4

Tasks Level Dis... Project Ex...

Element Selection

Markup

Related Markups Comments

Name	Description	Review Model	Created By	Date Created	Priority	Status	Assigned To	Approved By	File Name
Markup1	Platform Hinge	Unloading Platfo...	Project Manager	6/10/2009 2:24:02 PM	Normal	Not started	Project Designer		BS1700-S0501-UnloadingPlatform.ove.
Markup2	Platorm Railing	Unloading Platfo...	Project Manager	6/10/2009 2:27:19 PM	Normal	Not started	Project Designer		BS1700-S0501-UnloadingPlatform.ove.
Markup3	Fire Safety Brackets	Unloading Platfo...	Project Manager	6/10/2009 2:30:47 PM	Normal	Not started	Project Coordinator		BS1700-S0501-UnloadingPlatform.ove.
Markup4	Unloading Mechanism	Unloading Platfo...	Project Manager	6/10/2009 2:36:08 PM	Normal	Not started	Project Coordinator		BS1700-S0501-UnloadingPlatform.ove.

Element Selection > Identify element to add to set.

File Edit Element Settings Tools Utilities Workspace Window Detailing Help

(none) (Default)

Project Explorer

Default

Plant.pset Sheets Designs

3 Inch Boom Arm [C:/Install/MicroStation 0811C]

Above Ground Piping [C:/Install/MicroStation 0811C]

Bulk Storage Tank [C:/Install/MicroStation 0811C]

Default [C:/Install/MicroStation 0811C]

Design [C:/Install/MicroStation 0811C]

Horizontal Storage Tank [C:/Install/MicroStation 0811C]

Major Equipment Location [C:/Install/MicroStation 0811C]

Pilot Plan [C:/Install/MicroStation 0811C]

PS-083-000 [C:/Install/MicroStation 0]

PS-083-001 [C:/Install/MicroStation 0]

PS-083-002 [C:/Install/MicroStation 0]

PS-083-003 [C:/Install/MicroStation 0]

PS-083-004 [C:/Install/MicroStation 0]

PS-083-005 [C:/Install/MicroStation 0]

PS-083-006 [C:/Install/MicroStation 0]

PS-083-007 [C:/Install/MicroStation 0]

PS-083-008 [C:/Install/MicroStation 0]

PS-083-009 [C:/Install/MicroStation 0]

PS-083-010 [C:/Install/MicroStation 0]

PS-083-011 [C:/Install/MicroStation 0]

Public Work Features [C:/Install/MicroStation 0]

Pump House Complication [C:/Install/MicroStation 0]

Pump House Structure [C:/Install/MicroStation 0]

View 2, Unloading Platform

Markup View - Markup.dgn

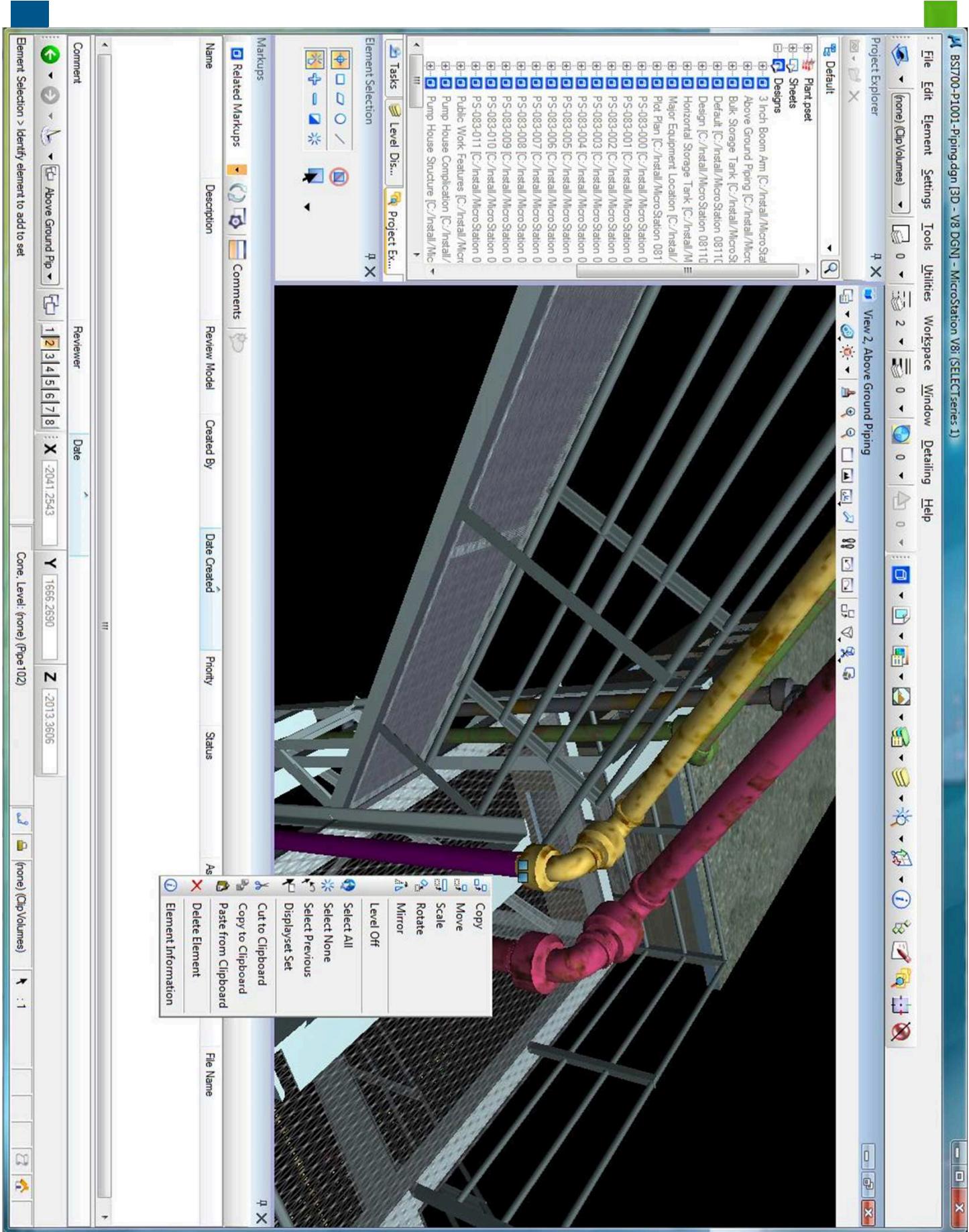
Tasks Level Dis... Project Ex...

Markups

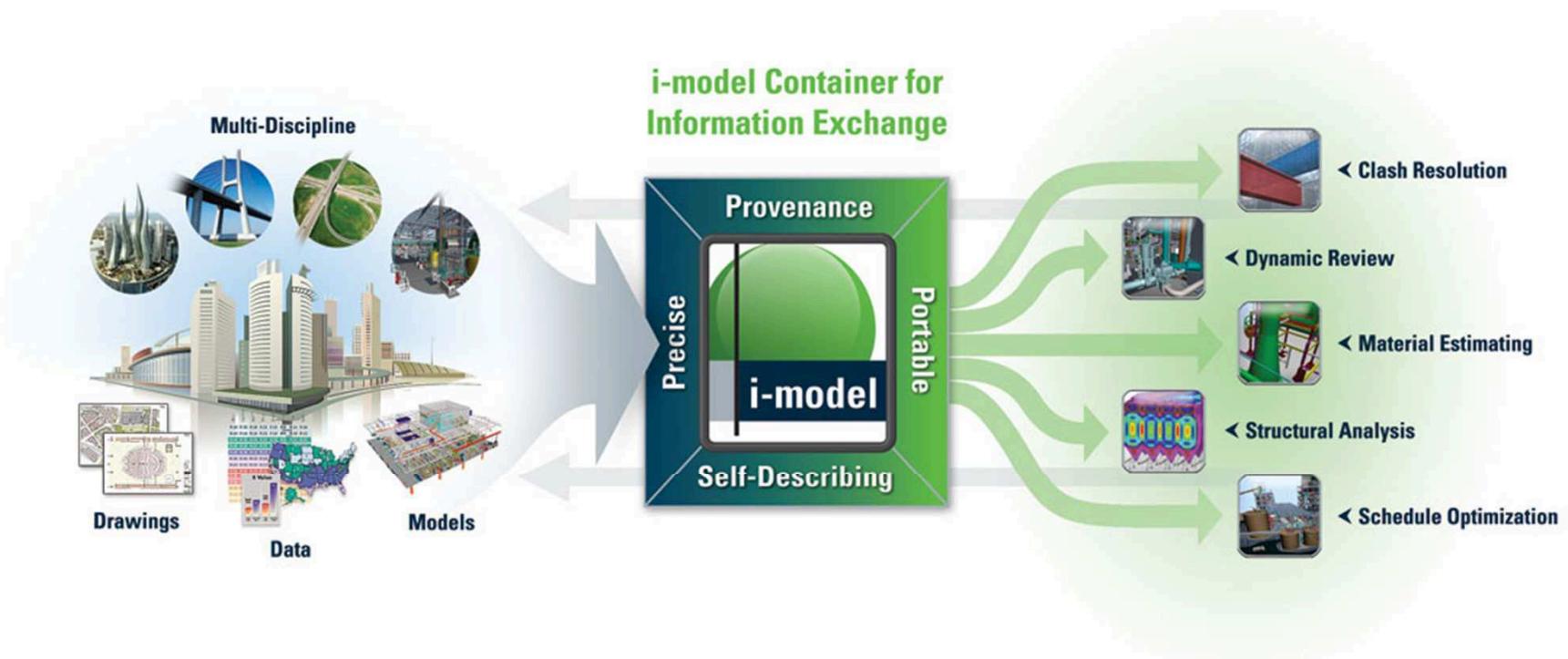
Related Markups Comments

Name	Description	Review Model	Created By	Date Created	Priority	Status	Assigned To	Approved By	File Name
Markup1	Platform Hinge	Unloading Platfo...	Project. Manager	6/10/2009 2:24:02 PM	Normal	Not started	Project. Designer		BSI700-S0501-UnloadingPlatform.ove.
Markup2	Platform Railing	Unloading Platfo...	Project. Manager	6/10/2009 2:27:19 PM	Normal	Not started	Project. Designer		BSI700-S0501-UnloadingPlatform.ove.
Markup3	Fire Safety Brackets	Unloading Platfo...	Project. Manager	6/10/2009 2:30:47 PM	Normal	Not started	Project. Coordinator		BSI700-S0501-UnloadingPlatform.ove.
Markup4	Unloading Mechanism	Unloading Platfo...	Project. Manager	6/10/2009 2:36:08 PM	Normal	Not started	Project. Coordinator		BSI700-S0501-UnloadingPlatform.ove.

The screenshot shows the MicroStation V8i SELECTseries 1 software interface. The top menu bar includes File, Edit, Element, Settings, Tools, Utilities, Workspace, Window, Detailing, and Help. The title bar indicates the file is "BS1700-S0501-UnloadingPlatform.dgn [3D - v8 DGN] - MicroStation V8i (SELECTseries 1)". The left side features a "Project Explorer" pane with a tree view of the project structure. Below it is a "Comments" pane with tabs for "Related Markups", "Element Selection", "Markups", and "Tasks". A "Level Dis..." button is also present. The main workspace displays a 3D rendering of an industrial unloading platform structure with various pipes and metal beams. The bottom of the screen has toolbars for navigation, selection, and measurement, along with status bars for Reviewer, Date, and coordinate axes (X, Y, Z).



# What is an i-model?



File Edit Element Settings Tools Utilities Workspace Window Detailing Help  
 (none) (Clip Volumes) 0 2 0 0 0 0

## Tasks



View 1, Above Ground Piping



Publish i-model

Force republishing of all files  
 Create a package

Package: BSI700-P1001-Piping.jdgn

Projection:

Password:

Rights:

<input type="checkbox"/> View	<input checked="" type="checkbox"/> Export
<input type="checkbox"/> Edit	<input checked="" type="checkbox"/> Print

Expires: 2009/07/30

YYYY/MM/DD



Name	Description	Reviewer	Date	Date Created	Priority	Status	Assigned To	Approved By	File Name
				X -1695.2648	Y 2900.4081	Z -1980.3353			

Comment  
 Related Markups  
 (none) (Clip Volumes)

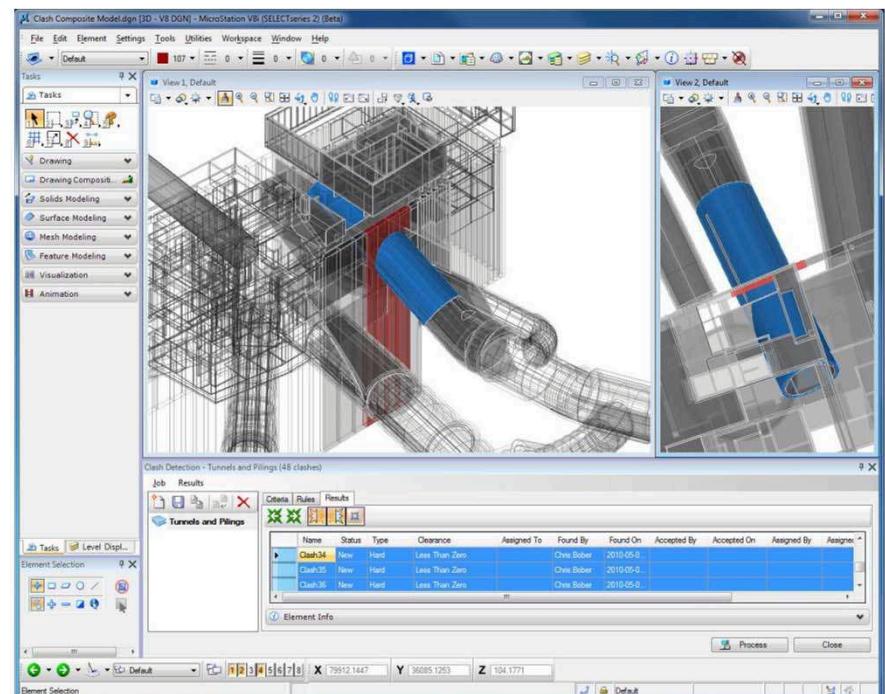
Above Ground Pip  
 1 2 3 4 5 6 7 8

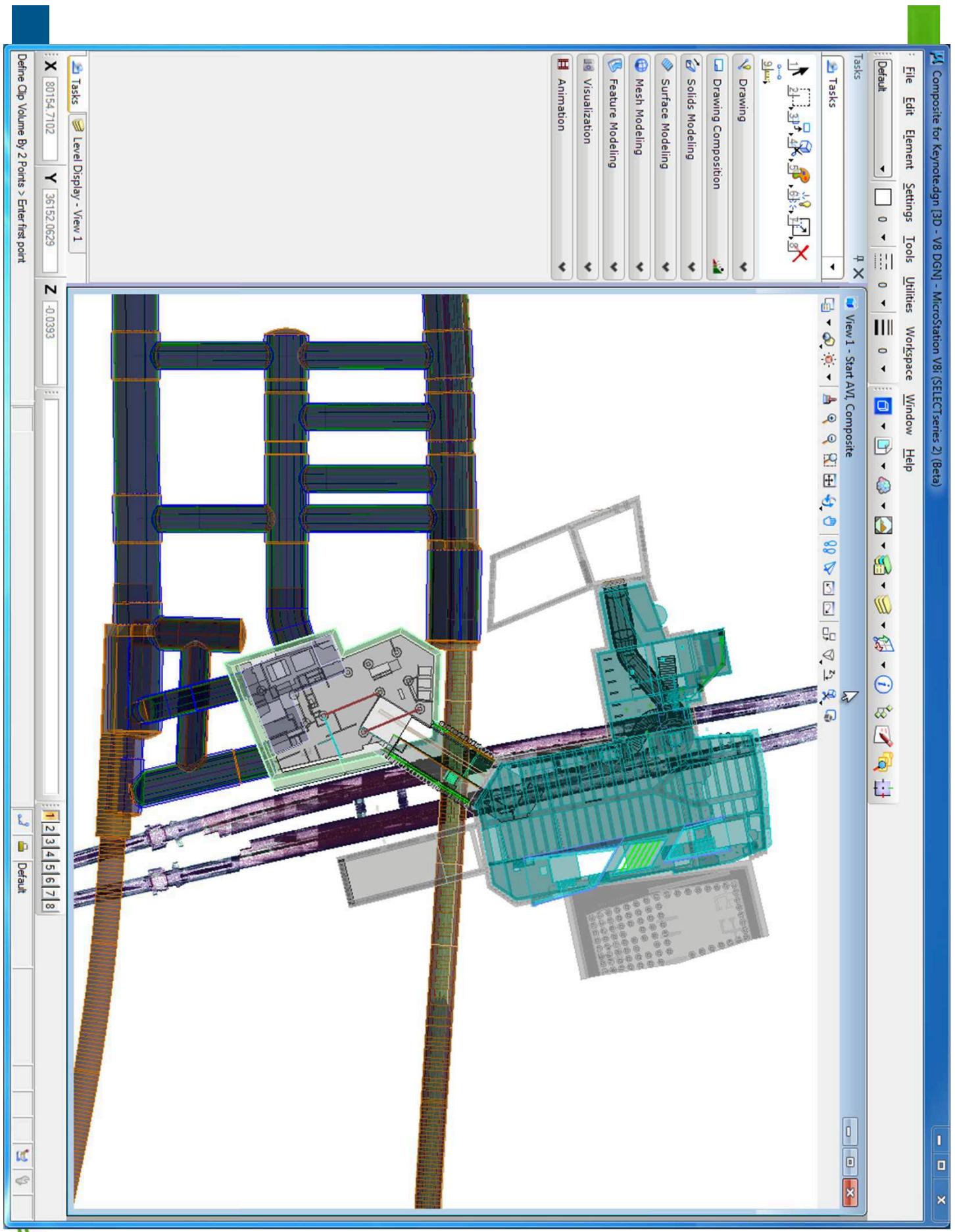
Element Selection > Identify element to add to set



# MicroStation V8i (SELECTseries 2)

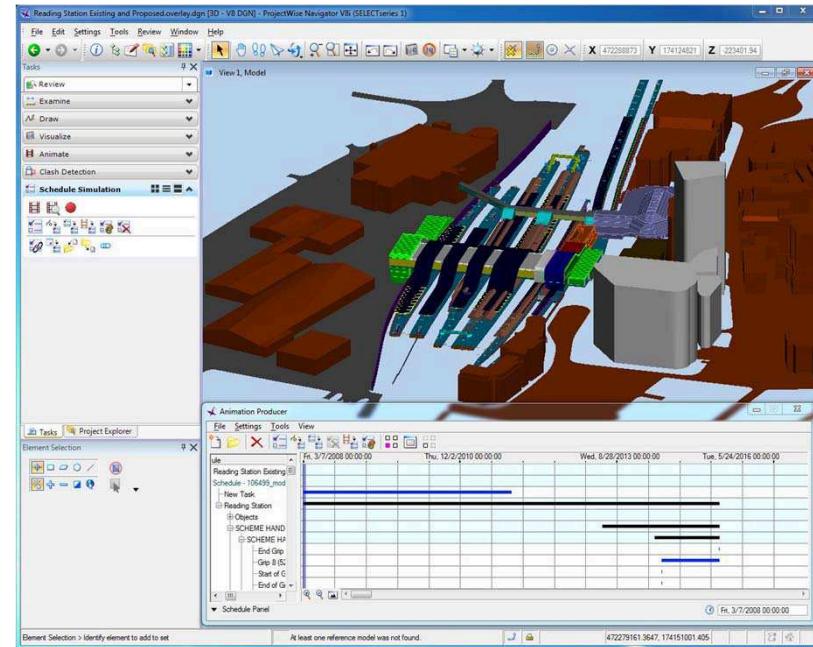
- Clash Resolution
  - Validate design at the time of creation
  - Make changes in real-time during design and layout to avoid costly mistakes downstream
  - ProjectWise Clash Resolution Visa Required

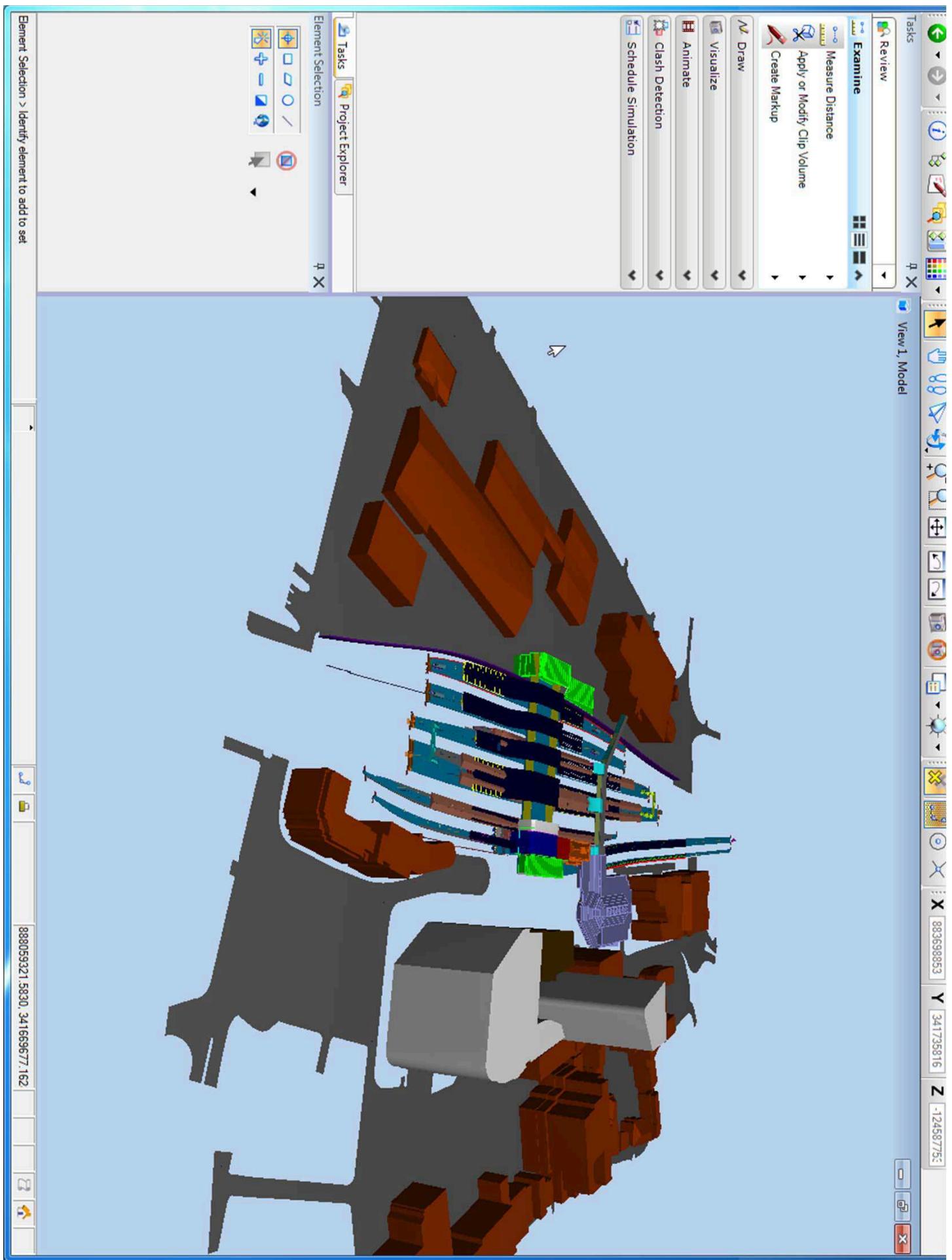




# MicroStation V8i (SELECTseries 2)

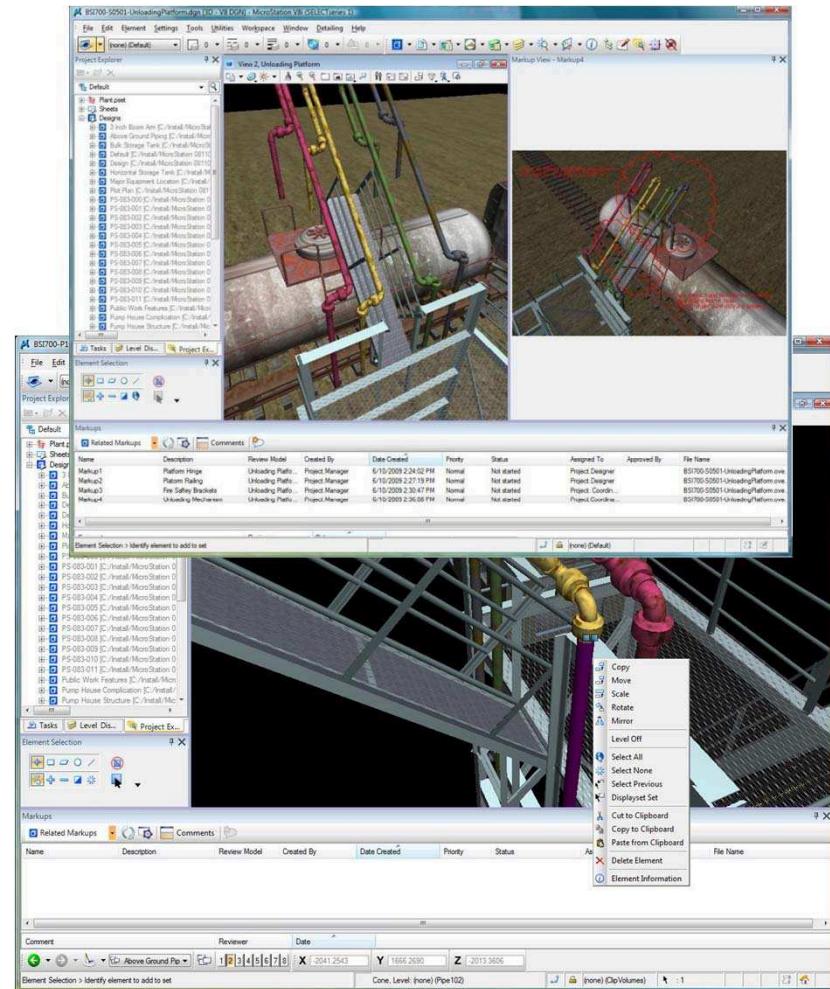
- Schedule Simulation
  - Visualize project scheduling
  - Round trip data from scheduling software
  - Build schedules directly from in MicroStation
  - ProjectWise Schedule Simulation Visa Required





# The Insightful Review Advantage

- Save Time
  - Faster review workflows
  - Automate comment tracking
  - Simplify review process
- Save Money
  - Reduce paper cost
  - Reduce review cycle time
- Improve Quality
  - Better managed markups
  - Maintain data integrity
  - Projects are better designed

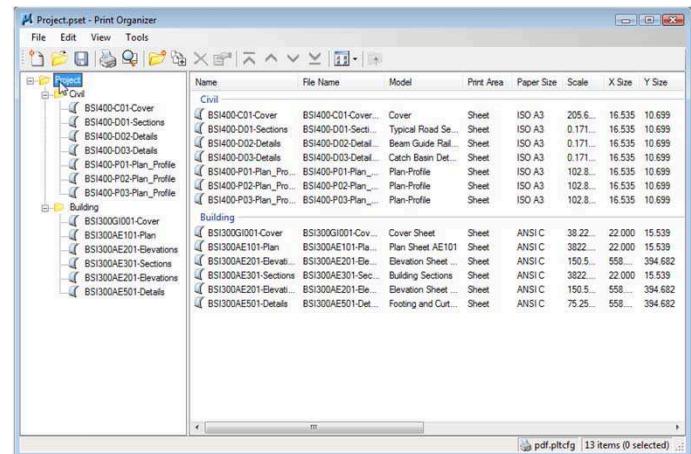


# MicroStation V8i (SELECTseries 2)

Integrated Print Organizer

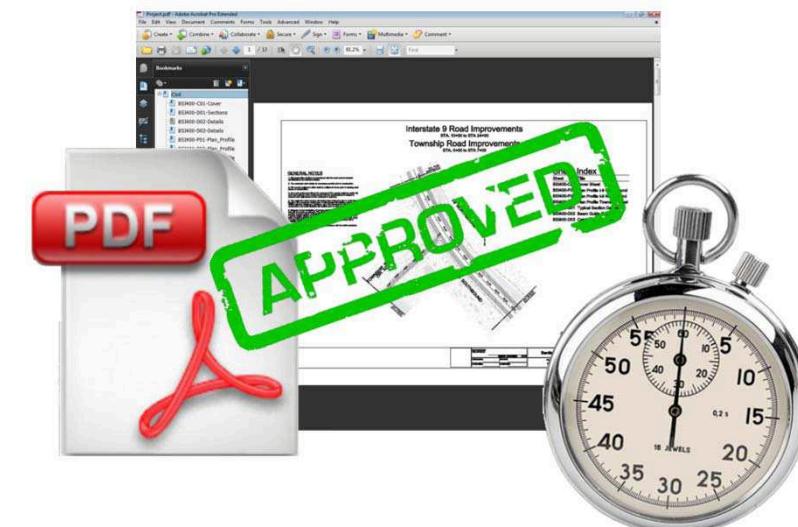
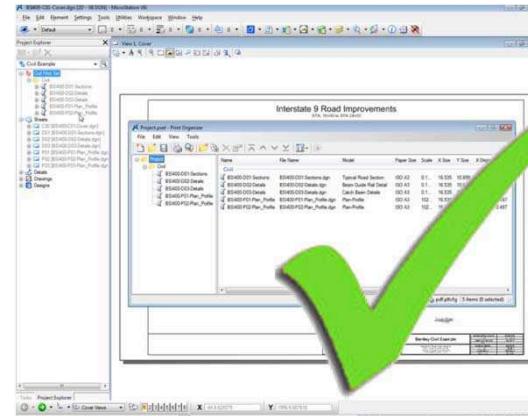
# MicroStation V8i (SELECTseries 2)

- Integrated Print Organizer
    - Print Organizer Client dialog
    - Print Definitions
    - Print Styles
    - Batch Printing
    - Multi sheet, hierachal PDF Support
  - New in MicroStation V8i (SELECT)
    - More coming in (SELECT series 3)



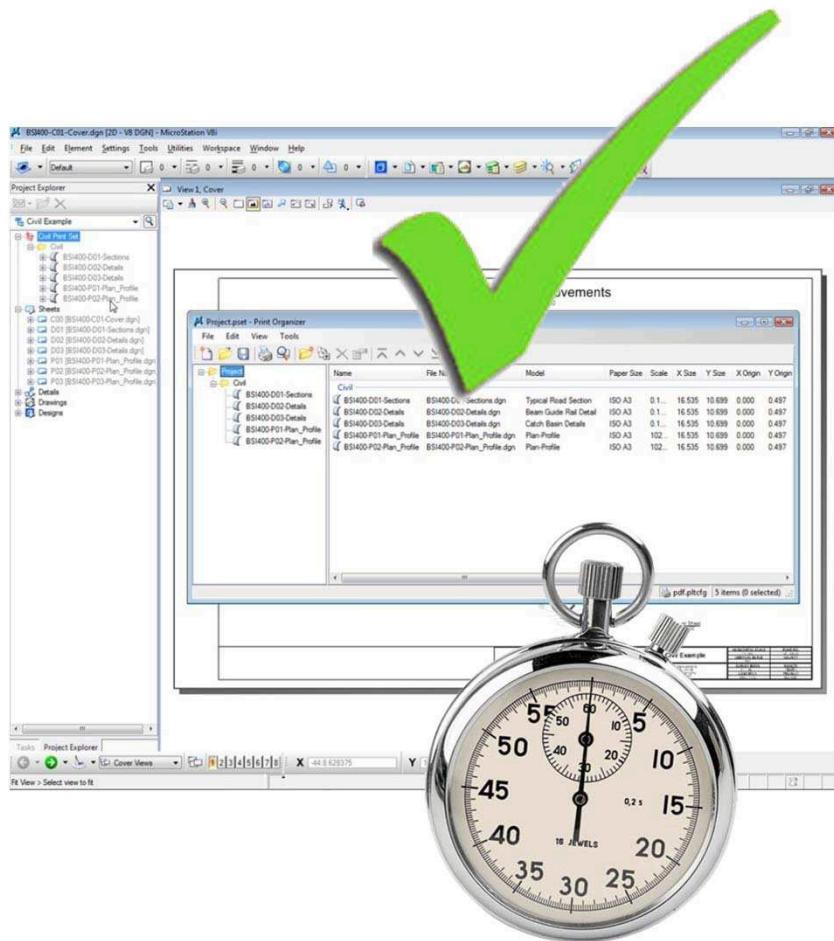
# Why Integrate Print Organizer?

- Guarantee all published drawings match standards
- Assemble and plot data from multiple file formats
- Plot each file just once to many output formats
- Produce identical versions of paper and PDF
- Eliminate manual plot processes
- Automate plot setup and execution



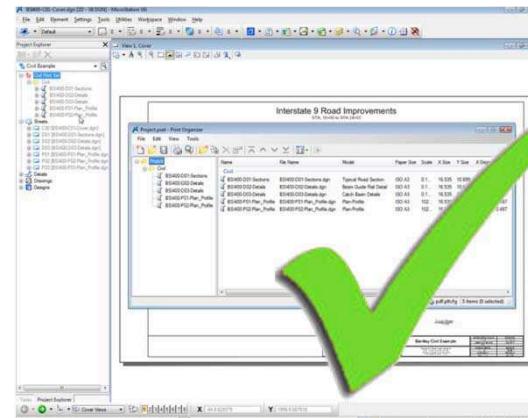
# MicroStation V8i (SELECTseries 2)

- Print Definitions
  - Page Size, Scale, Orientation, More
- Print Styles
  - For Each Print Type
  - By Discipline, Use, Deliverable Type
- Batch Printing
  - Single or Multiple Formats



# Integrated Advantages

- Save Time
  - Streamline Print Production
  - Simplify Printing Process
- Save Money
  - Produce Electronic Deliverables and Check Prints
  - Produce Consistent Results
- Improve Quality
  - Guarantee corporate and project standards compliance



# MicroStation V8i (SELECTseries 2)

Iterative Luxology Rendering

# MicroStation V8i (SELECTseries 2)

- Iterative Luxology Rendering
  - High Performance Rendering Engine
  - Physically Correct Materials
  - Environmental Lighting
  - Global Illumination
  - Render Setups
  - Distributed Rendering
  - Camera Speed Control
  - Tone Mapping
- New in MicroStation V8i (SELECTseries 2)
  - Render Output Channels
  - User Interface Optimization
  - Animation improvements



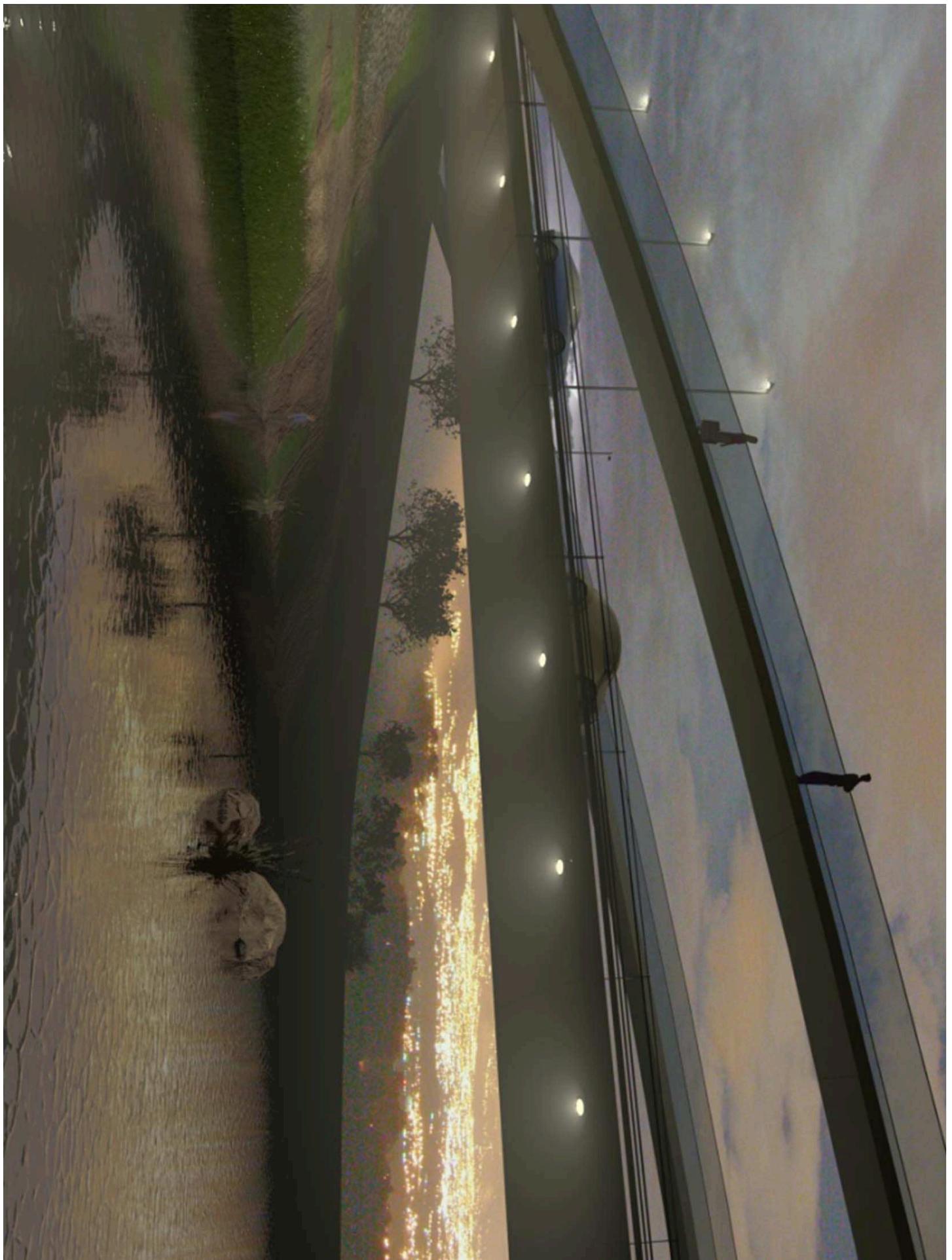
# Why Luxology?

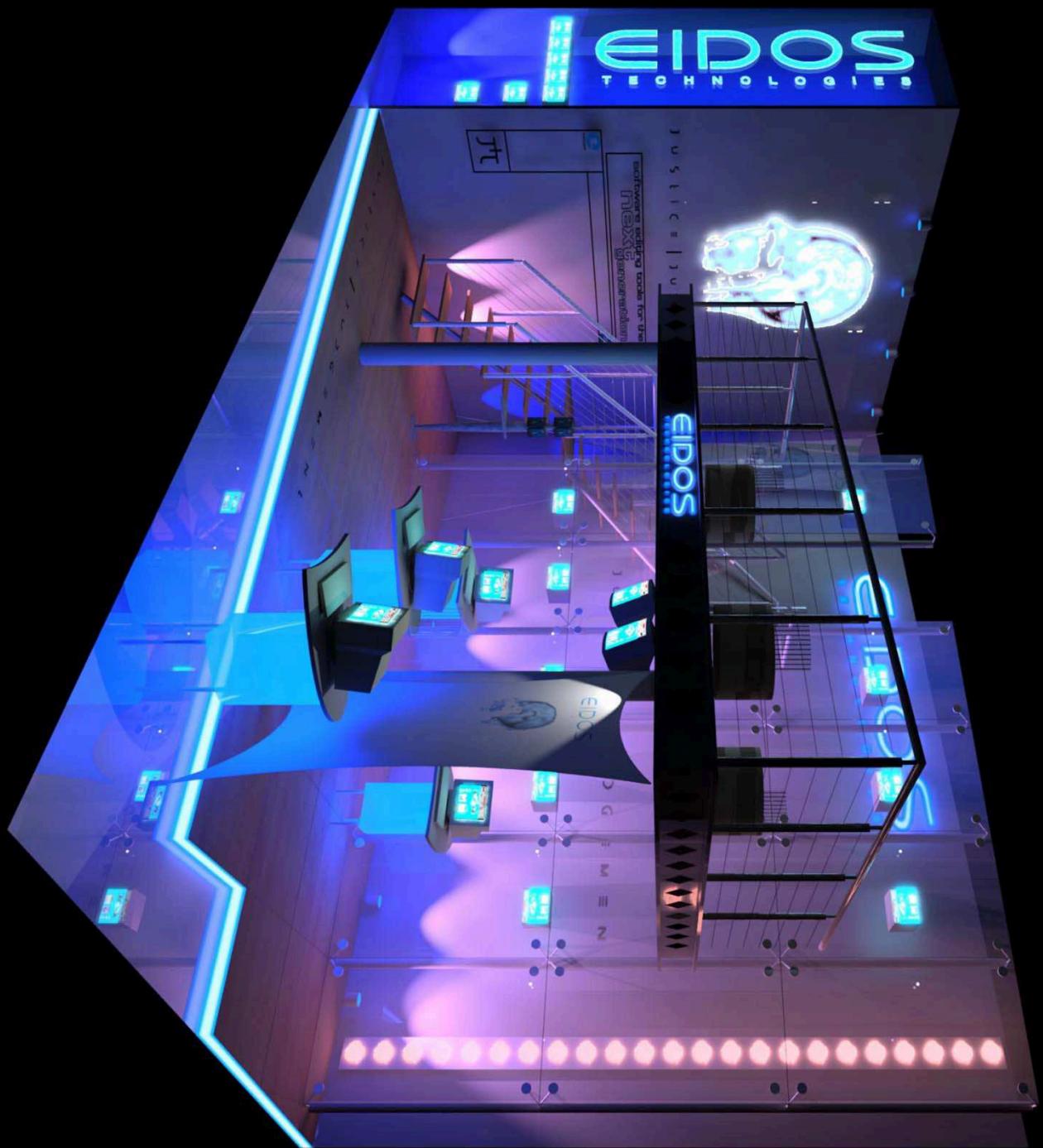
- Produce high quality images using pre-configured settings to better balance speed and quality
- Deliver photo-realistic interior and exterior views using lighting and textures that mirror project reality
- Improve stakeholder insight and secure buy-in
- Validate the fit and finish of a project
- Secure project funding for design alternatives



# Simplified Lighting

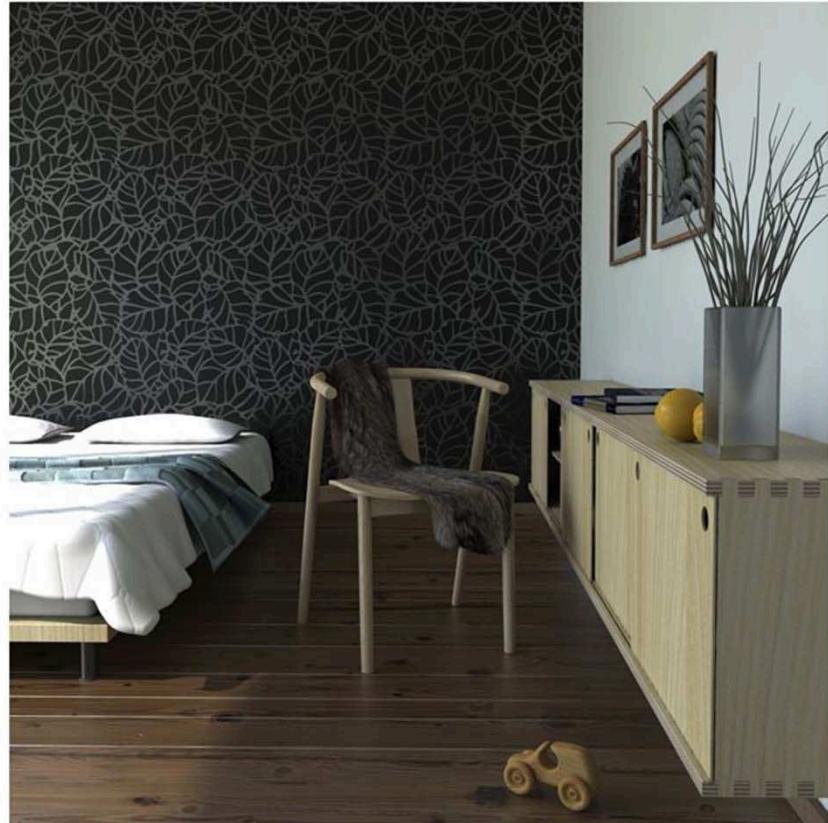
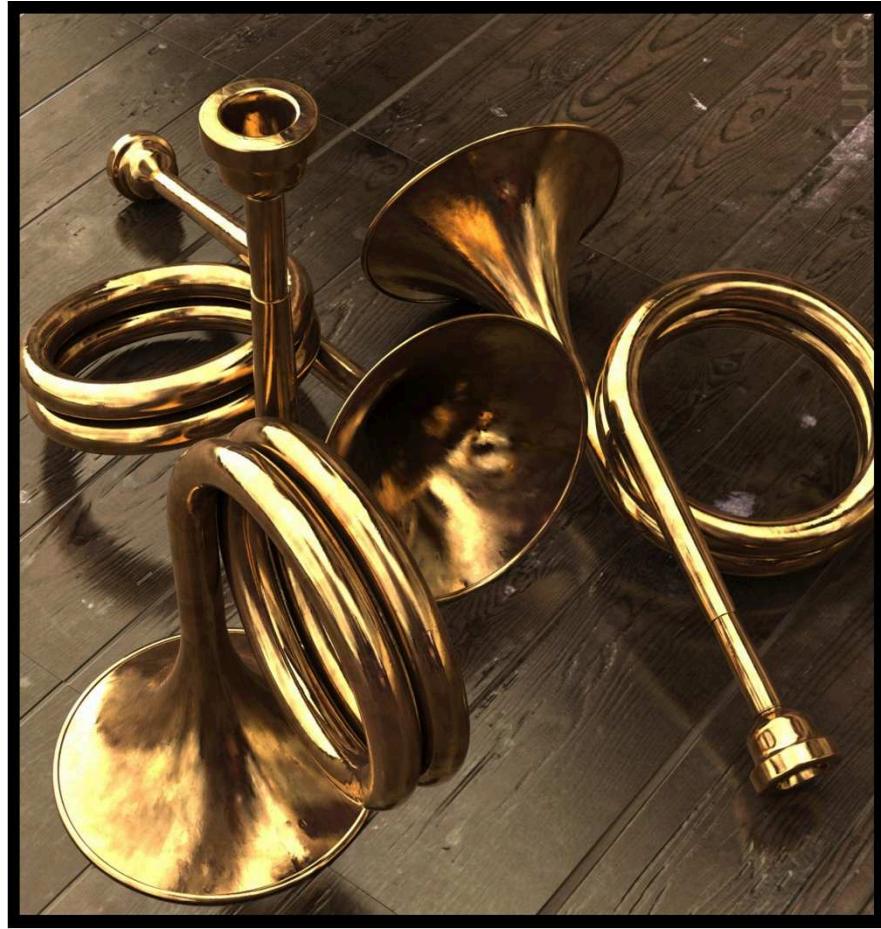








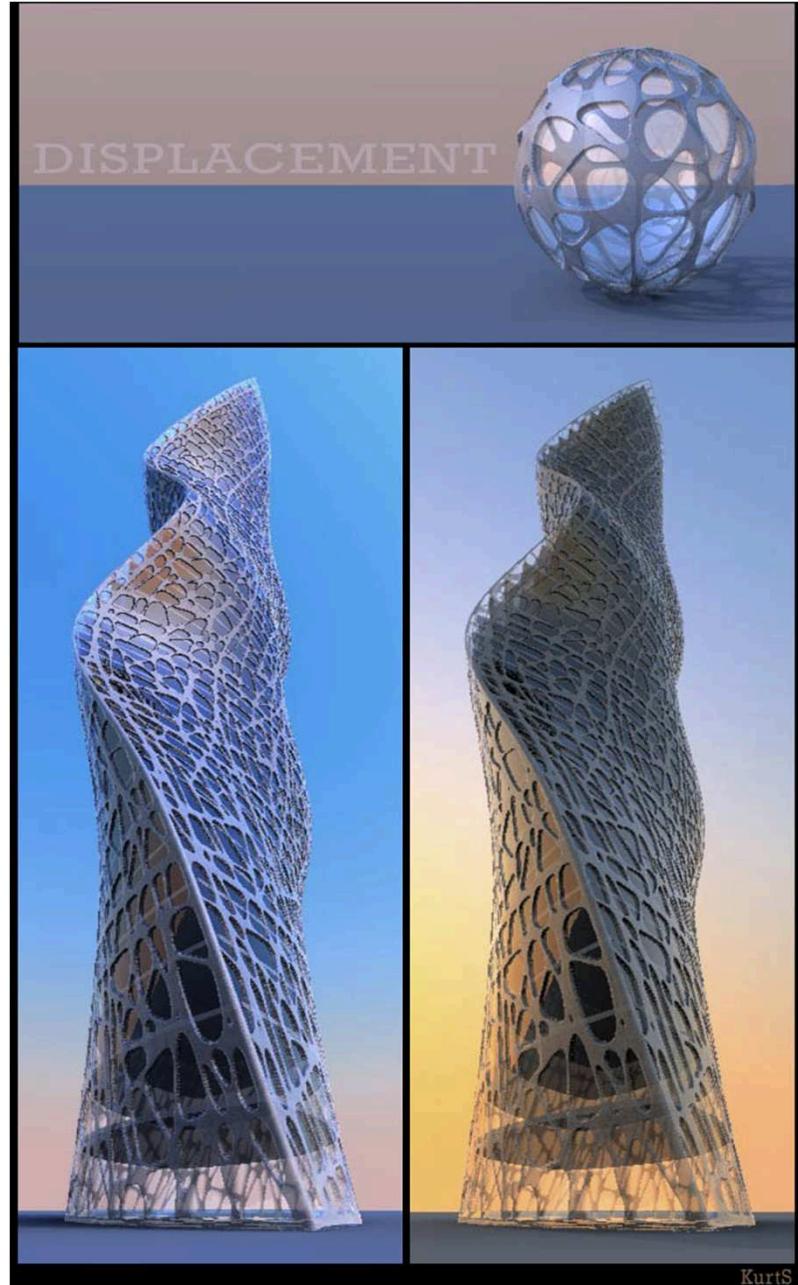
# Realistic Materials



bedroom - modeled and rendered by KurtS



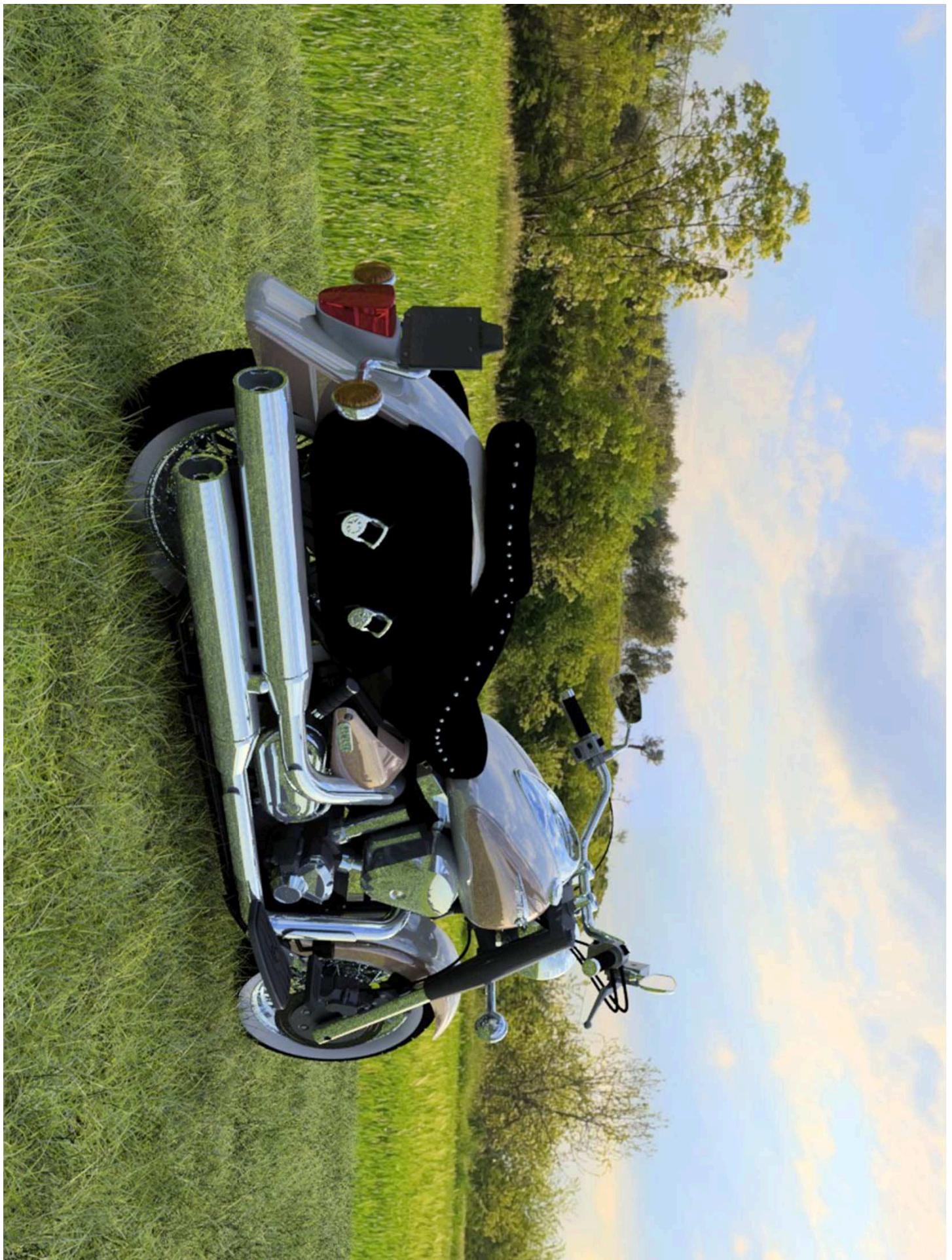
# Realistic Materials



© 2010 Bentley Systems, Incorporated



KurtS

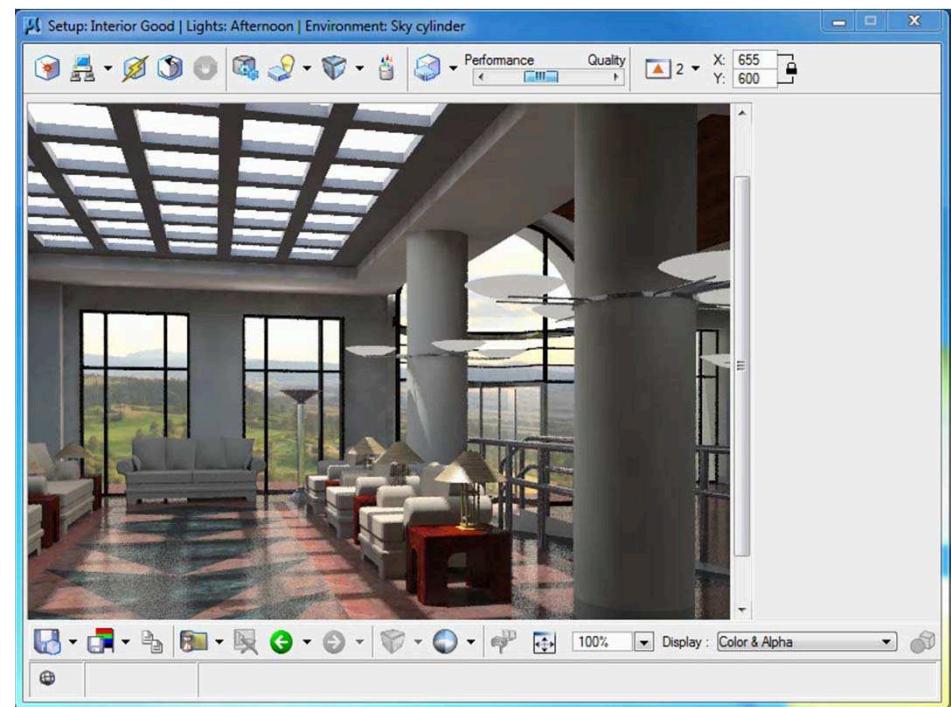
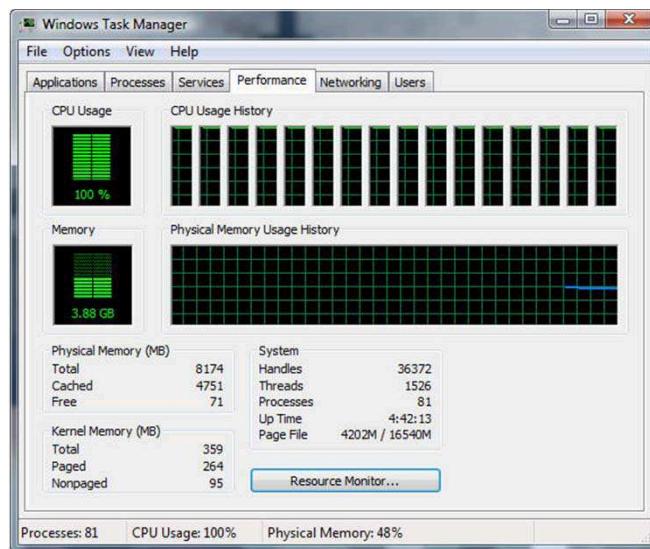


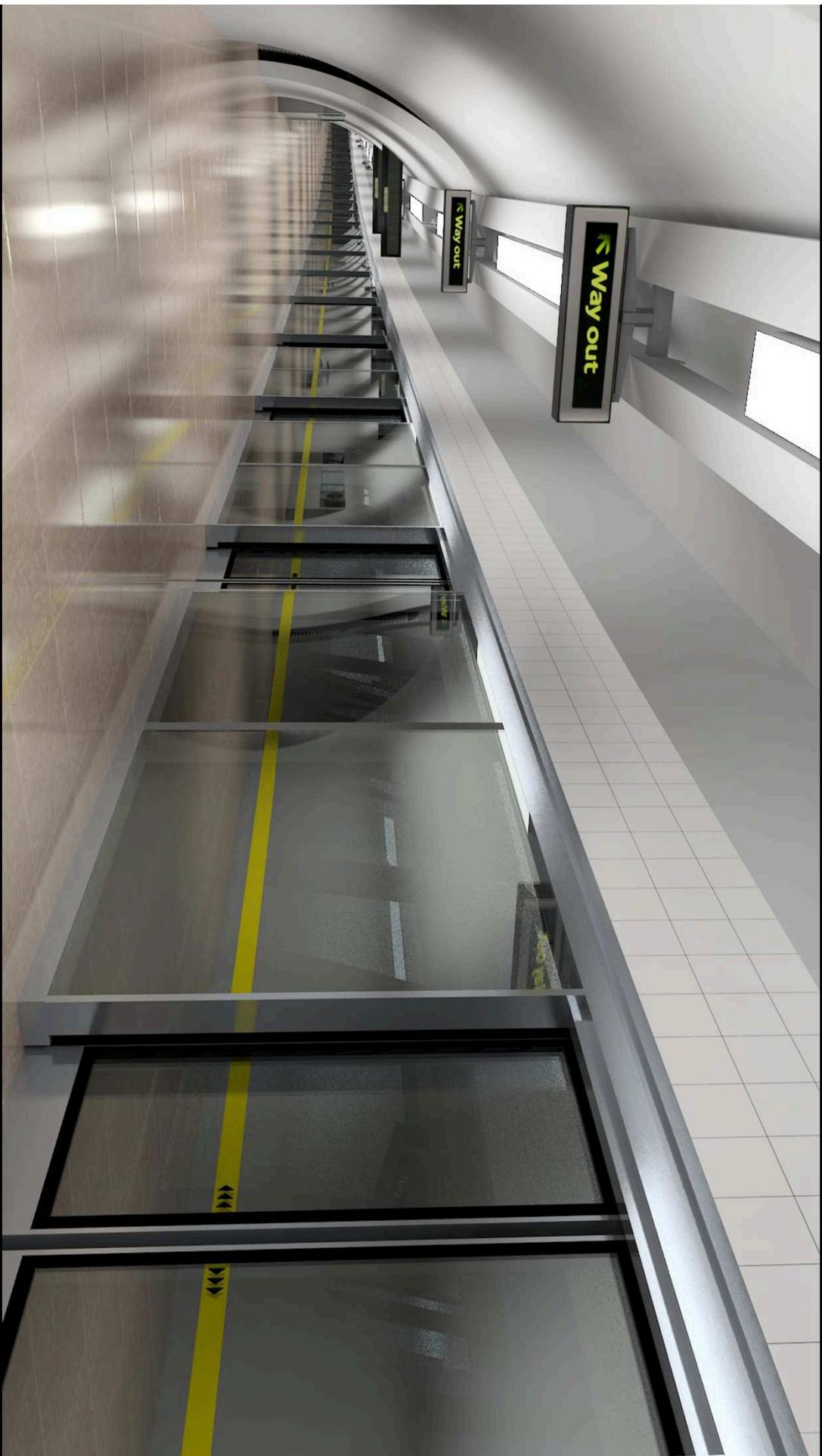




# Performance, Performance, Performance

- Native 64 Bit Engine
- Use up to 32 Cores
- Real Time Updates Onscreen









Be

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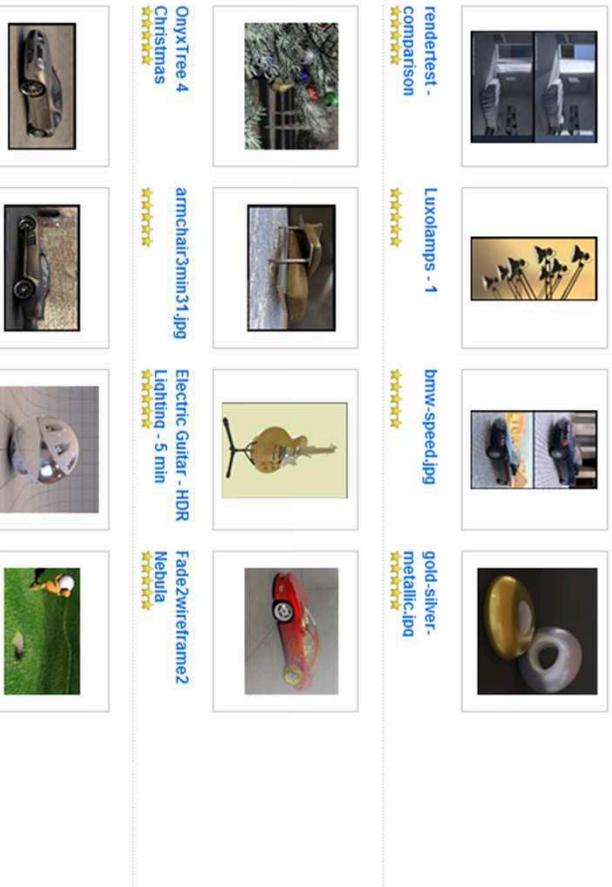
RSS



New Post

### TAGS

3d 3d rendering Architecture  
 BIM car caustics civil depth of  
 field displacement dot exterior  
 fur glow hair interior kurtis  
 luxology luxology  
 render material photorealistic  
 microstation rendering v8i  
 visualization volume light



# The Iterative Advantage

- Save Time
  - Near real-time rendering
  - 64-bit rendering engine
  - Create time for more design review iterations
- Improve Quality
  - Photo-realistic images
  - Better design
  - Higher Project Win-Rate
- Increase Profits
  - More Efficient Teams
  - Lower Operating Costs



# MicroStation V8i (SELECTseries 2)

Improved Deployments

# MicroStation V8i (SELECTseries 2)

- Improved Deployments
- New in MicroStation V8i (SELECTseries 2)
  - Update Installs
  - Bentley Application Compatibility
  - Citrix Ready Verification

# MicroStation V8i (SELECTseries 2)

- Less Disruptive Updates and Upgrades
  - Same Licensing as V8i, and V8i (SELECT series 1)
  - Same V8 DGN format
  - Same V8 workspace and standards support
- New Update and Upgrade Options
  - Incremental enhancements will be available as Updates
    - i.e. RealDWG, Luxology, Others
  - Major releases will be delivered as complete Installs or Updates
    - (SELECTseries 1), (SELECTseries 2)..
  - Compatibility across applications will be maintained where possible

# MicroStation V8i (SELECTseries 2)

- Virtualized Deployment
  - Supported in specific virtualized environments (like Citrix XenApp) for deployment
  - Provides IT organizations and administrators with more control over software deployments in their organizations
  - Users will benefit from standardized configurations and less disruptive upgrades
- MicroStation V8i (SELECTseries 2) is
  - Specific to Application Virtualization with Citrix XenApp
  - More specifically:
    - Citrix XenApp 5.0 64bit on Microsoft Server 2008
  - Additional certifications under consideration



# MicroStation V8i What's NOT New

## Feature

Same V8DGN Format

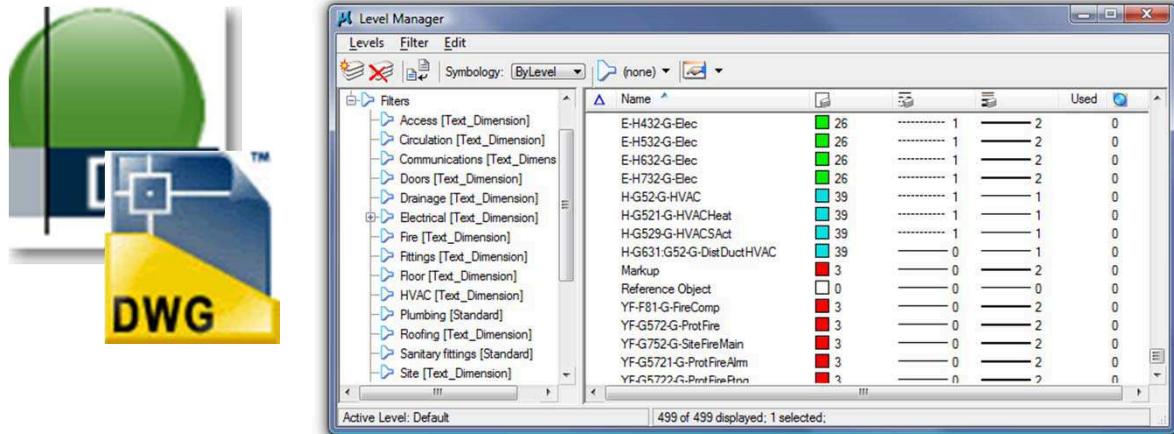
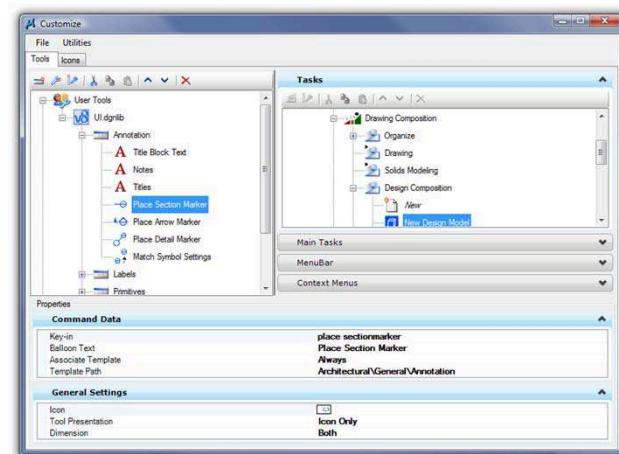


## Advantage

Enables the team to transition seamlessly from previous versions of software to V8i

## Benefit

Eliminate wasted time  
Improve upgrade experience  
Maintain high quality data



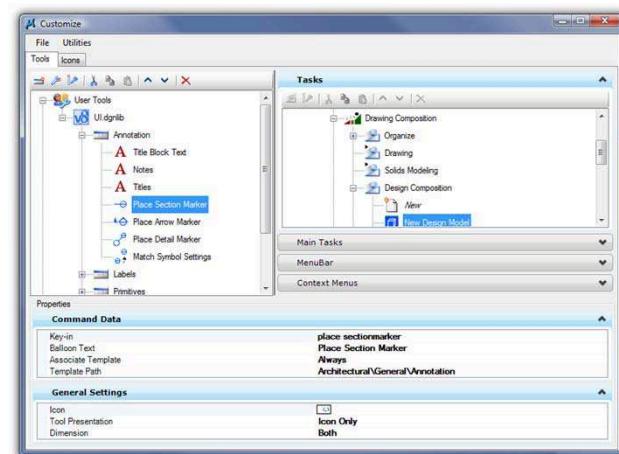
# MicroStation V8i What's NOT New

**Feature**  
Supports current standards



**Advantage**  
Streamlines the process of moving projects from older versions of software to V8i

**Benefit**  
Eliminate wasted time  
Reduce risk to project schedule  
Maintain high quality data

A screenshot of the MicroStation V8i 'Level Manager' dialog box. It lists various levels with their names, colors, and properties. A table below shows the count of objects per level.

Name	Count	Color	Used
E-H432-G-Bec	26	Black	2
E-H532-G-Bec	26	Black	2
E-H632-G-Bec	26	Black	2
E-H732-G-Bec	26	Black	2
H-G52-G-HVAC	39	Blue	0
H-G521-G-HVACHeat	39	Blue	1
H-G529-G-HVACSAct	39	Blue	1
H-G631:G52-G-DistDuctHVAC	39	Blue	1
Markup	3	Red	2
Reference Object	0	Black	0
YF-F81-G-FireComp	3	Red	2
YF-G572-G-ProtFire	3	Red	2
YF-G752-G-SiteFireMain	3	Red	2
YF-G5721-G-ProtFireAlm	3	Red	2
YF-G5722-G-PrintFireAlm	1	Red	2





# Discover the Value in MicroStation V8i (SELECTseries 2)