Bentley Map CONNECT

Keith Raymond, Bentley Canada

Bentley
Advancing Infrastructure

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Introducing Bentley Map CONNECT Edition

- Enhanced user experience
- Based on the MicroStation CONNECT platform
- Complete 64 bit application
- Embrace reality modeling
- Initial release – functionality of current Bentley Map

Map
CONNECT Edition

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Top New Capabilities

- **Streamlined User Experience**
  - Playbooks & playlists
  - Projects
  - Workflows
- **Documentation**
  - Streamlined sheet layout/creation
  - Sheet indexing
  - Property based annotation
  - Property based display/printing
  - Property based tables & schedules
- **Modeling**
  - Constraints
  - Parametric solids/surfaces
  - Functional Components
- **Printing**
  - Server side processing
  - PDF and Raster
  - Multi-page document collation
  - Rich PDF
- **Visualization**
  - Modo 801 Render Engine
  - Texture Replicators
  - Procedural Textures
- **Interoperability**
  - RealDWG 2015
  - JT format updates
  - IFC CV 2.0
- **Extensibility**
  - Bentley Macro Recorder
  - VBA 7.1
  - Updated API, new SDK
  - Updated compilers
- **Administration**
  - Virtualization support
  - Language packs
  - Update Notification Service

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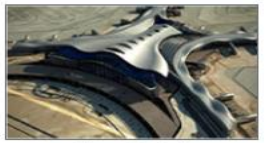
Personalized Experience: Learning

VIEW EXAMPLES

Bridge

Hydro Plant



Airport Terminal

Civil

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Course	Description	Course Level	Learning Path	Duration
Animating Solar Time with Animation Producer	Learn how to animate solar time using the animation producer and how to render frames using Luxology.	Intermediate	MicroStation 3D Modeling, Rendering, and Animation	13 m
Fly-through Animation Camera on Path	Learn how to attach animation camera to path, script camera and to activate and deactivate targets along the route of travel. Learn how to create actors and to use include script to have the action occur at any point you choose in the main animation script.	Intermediate	MicroStation 3D Modeling, Rendering, and Animation	14 m
Fly-through Interior Scene Using Saved Views	Learn how to use saved views to animate a camera view. Learn how to smoothly pick up from where a camera path animation ends and a keyview (saved views) animation begins. Learn how to use the timeline to quickly edit the timing and adjust camera motion.	Intermediate	MicroStation 3D Modeling, Rendering, and Animation	10 m
Using Lightworks Non Linear Editor to Create MP4 Videos	After rendering your frames in MicroStation, learn how to use a free Non Linear Editor (NLE) to produce high quality MP4 Videos.	Intermediate	MicroStation 3D Modeling, Rendering, and Animation	5 m
Cameras on paths with keyframed target	Learn how to animate a camera along a path and to use a keyframed target to focus the camera on different sights along the route of travel.	Intermediate	MicroStation 3D Modeling, Rendering, and Animation	13 m
Naval Architecture Learning Resources, and Teaching Tips & Tricks	Learn software's role in enhancing learning about naval architecture and offshore engineering.	Intermediate	Special Interest Group - Academic Insider Skills	14 m
Educational use of software in your classes	Learn how to use the software in your class.	Intermediate	Special Interest Group - Academic Insider Skills	12 m
Teaching Naval Architecture and Offshore Engineering	Software's role in enhancing learning about naval architecture and offshore engineering.	Intermediate	Special Interest Group - Academic Insider Skills	14 m
Naval Architecture learning resources, and teaching tips & tricks	Learn Software's role in enhancing learning about naval architecture and offshore engineering.	Intermediate	Special Interest Group - Academic Insider Skills	14 m

Forum Post: RE: Annotation Dimension Changes with Drawing Scale Change

Forum Post: RE: Annotation Dimension Changes with Drawing Scale Change

Forum Post: RE: MDL applications for Microstation 7(j)

Forum Post: RE: Annotation Dimension Changes with Drawing Scale Change

Forum Post: RE: [v8i] Crash when printing files with Excel

Forum Post: batch process: Using configuration variables

Forum Post: Annotation Dimension Changes with Drawing Scale Change

Wiki Page: Cannot create Print Definition when adding files to Print Organizer

Forum Post: RE: "Using old version" pop up in internet explorer causing crash. (11.7.443)

Wiki Page: Ist der Druck-Organizer Bestandteil von MicroStation PowerDraft V8i?

Forum Post: RE: Changing Face Attachments

Forum Post: RE: [v8i] Crash when printing files with Excel

Forum Post: RE: v8i (SS3) - Is it possible to render a revit model?

Forum Post: RE: Is there a way to control dot terminator size?

Wiki Page: MicroStation Debug Datei über Shortcut erstellen

Wiki Page: Ansichtsattribute per Tastatureingabe schalten

Forum Post: RE: Is there a way to control dot terminator size?

Forum Post: RE: Dimensioning questions

Forum Post: RE: function keys

Wiki Page: Die Möglichkeit zum Erstellen oder Löschen von Ebenen ausschalten

read more...

Projects

MicroStation

MicroStation

Projects

- Blackhawk Estates — Residential Subdivision
- Health Protection Center — Health Protection Centre for Women a...
- Cougar Dam Reservoir
- Falcon Flight School — Light Commercial
- Graphite Mine Road Extension — 100 to 272
- Hames Water Treatment Plant — Water Treatment Plant Improvements
- Hardisty Tank Farm
- Hardisty Tank Farm — Facility Upgrade
- Round Lake Bypass — Link between I-87 and U.S. 9
- Street Water Treatment Plant

Other Files
No active project

New Project

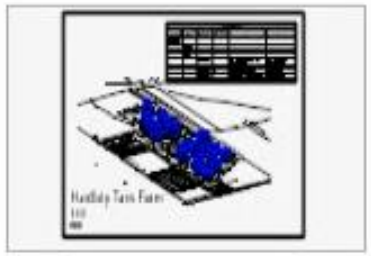
Search Projects

Hardisty Tank Farm

Would you like to convert this Bentley Connect project to a local project?

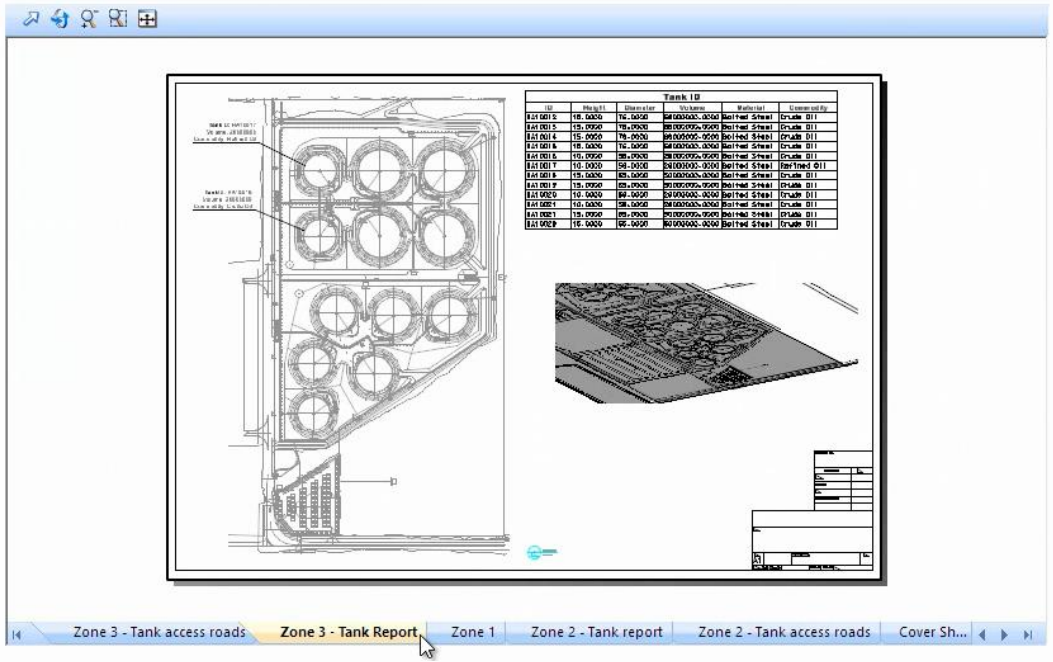
Recent Files

TankPlacement.dgn
3D Imperial Design Mo



Sheets.dgn
Cover Sheet

3D Existing Site Model....
Default



Sheets.dgn

Created 10/28/2014 10:09:23 AM
Modified 10/30/2014 10:05:00 AM
Size 2259 KB

Open

Cindy Cross

Properties

$id	123
ProjectId	51
ProjectName	Hardisty Tank Farm
ProjectNumber	00000032
ProjectManager	
ProjectType	eB.Data.Project
ProjectDescription	Hardisty Tank Farm
ProjectStartDate	
ProjectEndDate	
ProjectLocation	
ProjectScopeId	123

Members

- bill.blair@mailinator.com
- bill.blair@mailinator.com
- bill.blair@mailinator.com
- chris.bober@bentley.com
- chris.bober@bentley.com
- chris.bober@bentley.com
- cindy.cross@mailinator.com — Eagle Infrastructure
- cindy.cross@mailinator.com — Eagle Infrastructure
- cindy.cross@mailinator.com

MicroStation

Projects

- **Blackhawk Estates**
  Residential Subdivision
- **Health Protection Center**
  Health Protection Centre for Women a...
- **Cougar Dam Reservoir**
- **Graphite Mine Road Extension**
  100 to 272
- **Hames Water Treatment Plant**
  Water Treatment Plant Improvements
- **Hardisty Tank Farm**
  Facility Upgrade
- **Hardisty Tank Farm**
- **Round Lake Bypass**
  Link between I-87 and U.S. 9
- **Street Water Treatment Plant**

- **Other Files**
  No active project

- **New Project**

Health Protection Center

Cindy Cross

Recent Files

TankPlacement.dgn
C:\Data\Install\MicroStationV8i4\WorkSpace\Projects\Hardisty Tank Farm\dgn
Modified: 10/30/2014 10:49:08 AM Size: 128 KB Model: 3D Imperial Design Model

Browse New File

Properties

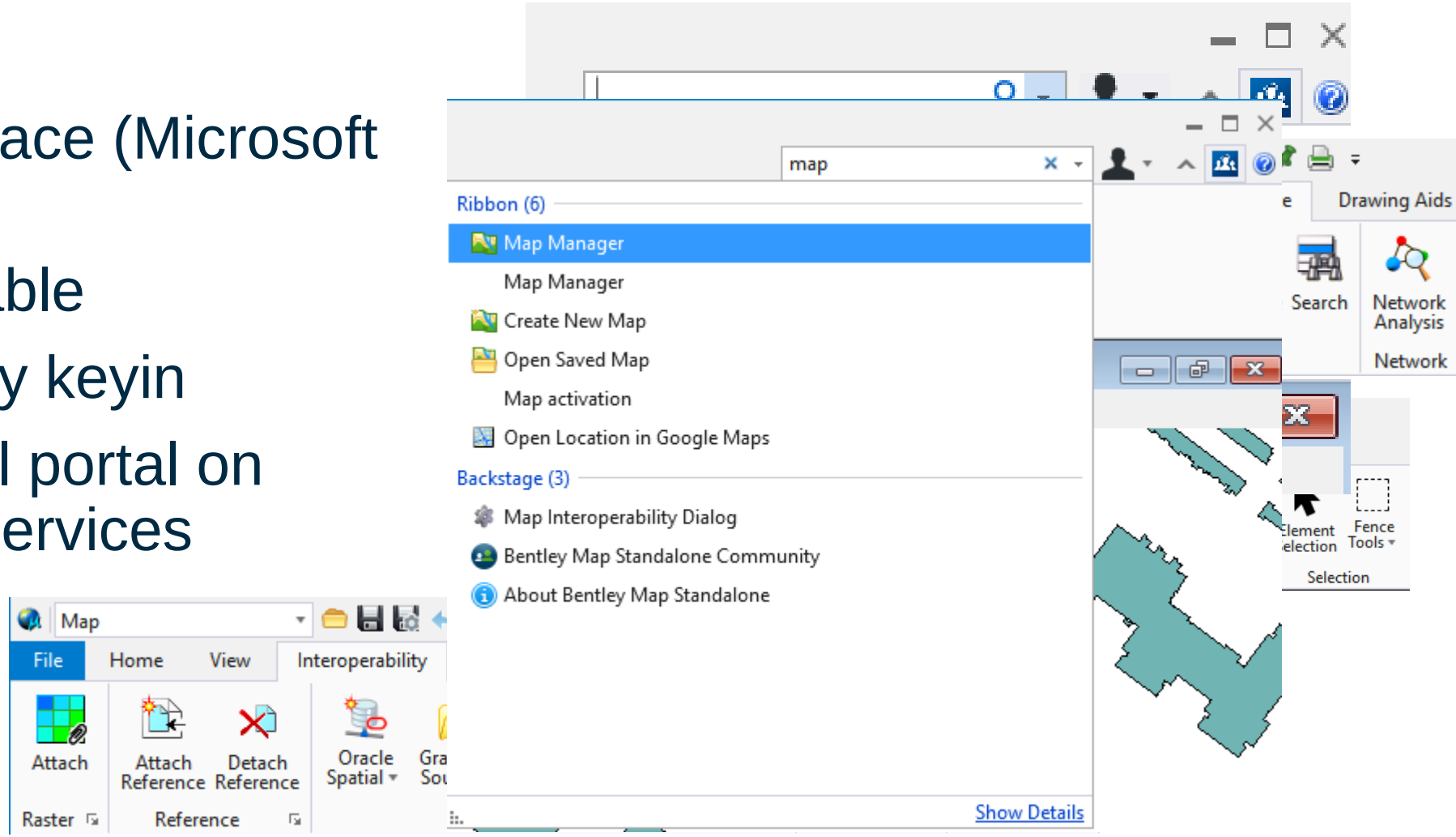
Name	Health Protection Center
Description	Health Protection Centre for...
Country	Ukraine
Type	
Industry	Architectural Design
Start Date	2/18/2013 12:00:00 AM
Owner	Ukrainian Building Authority
Prime	Building Design Partnership

Details Thumbnails | Options...

Personalized Experience

Streamlined User Experience

- Tab based interface (Microsoft Office standard)
- Easily discoverable
- Locate menus by keyin
- Access personal portal on Bentley Cloud Services



Easier to use and learn

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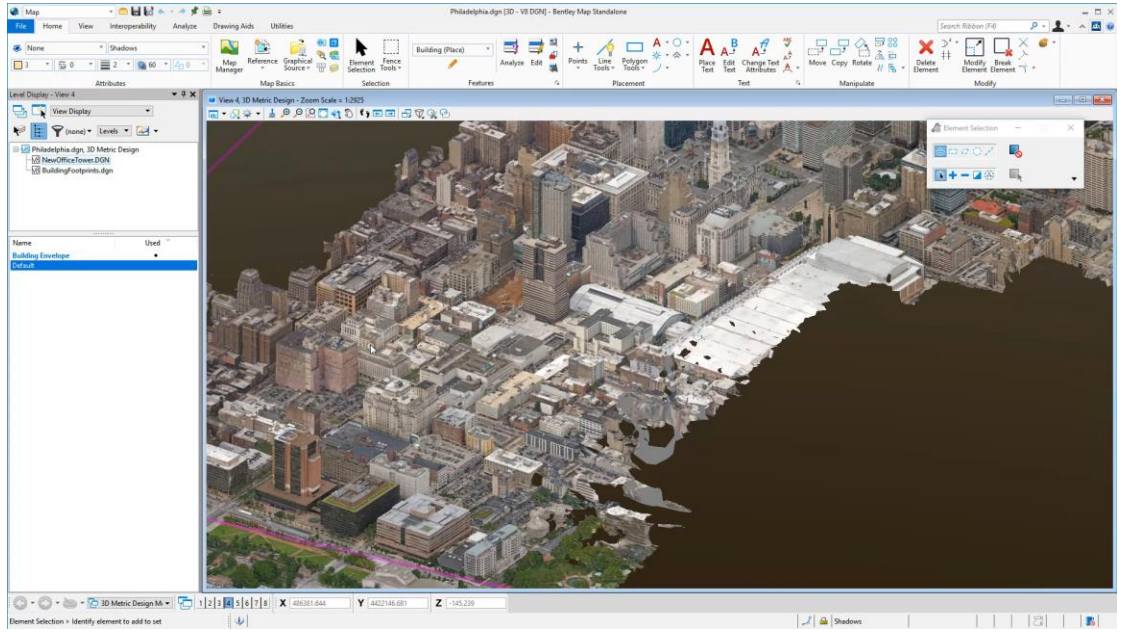
Improved Reality Modeling

- Support larger models
- New ContextCapture format
  - Faster access to larger models
  - Easier to manager – one file
- Standard format for
  - ConceptStation
  - LumenRT



Better productivity in large projects

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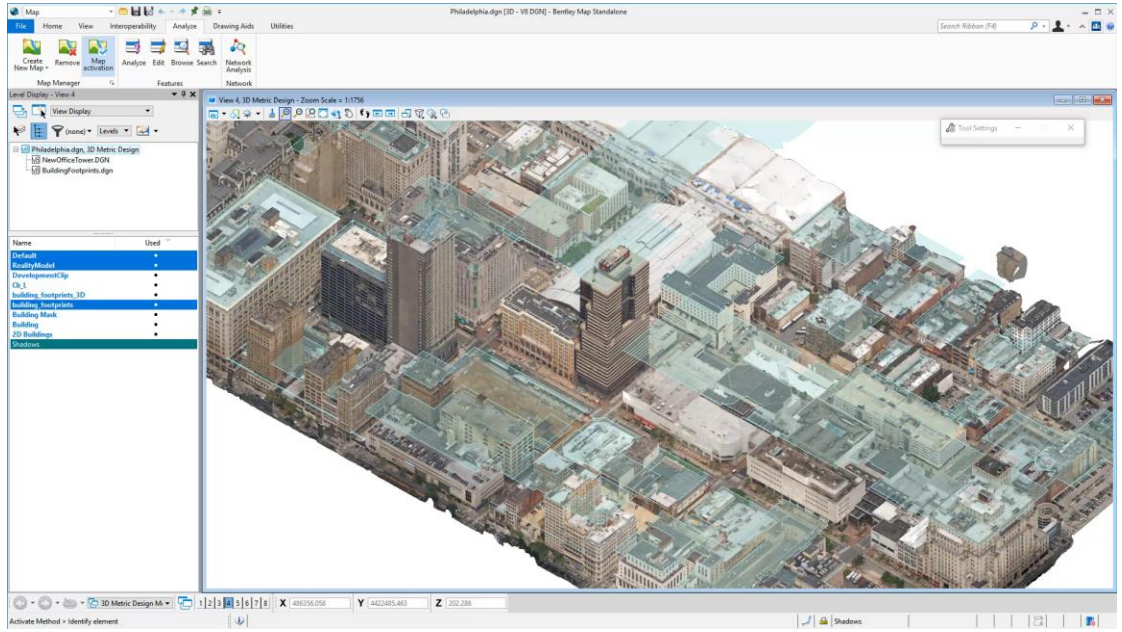
Integrate and review GIS layers

- Integrate GIS with many other formats
  - Spatial databases
  - BIM
  - Reality models
  - CAD
  - 2D and 3D



Minimal conversion effort

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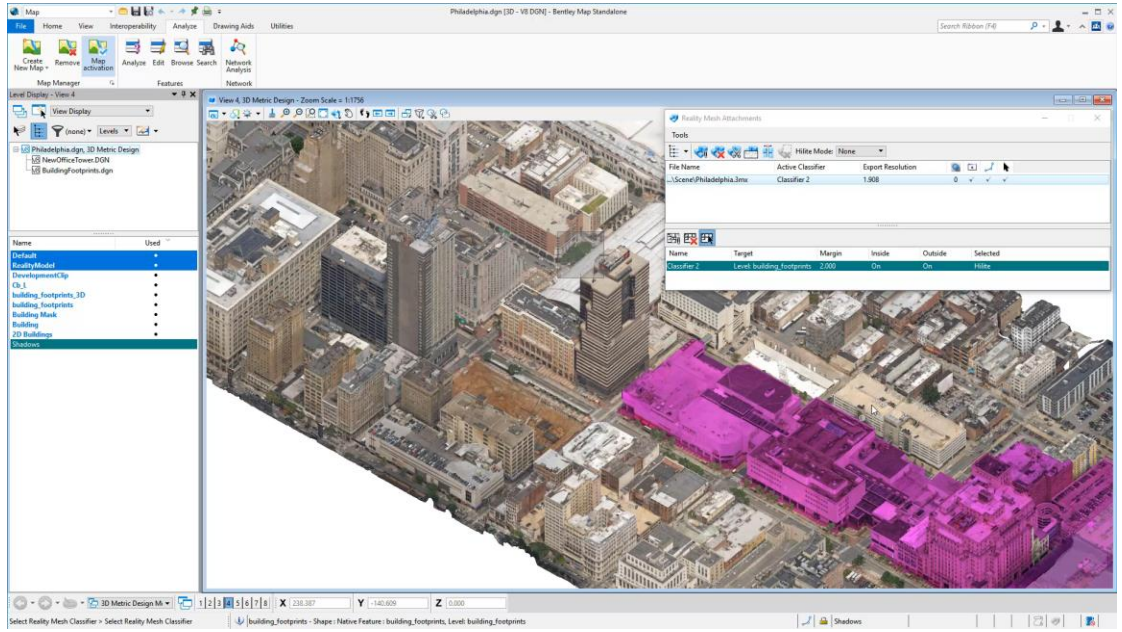
Associate GIS with Reality Models

- Add intelligence to reality models
- Query and review properties
- Highlight results on the reality mesh



Integrate all forms of engineering data for improved productivity

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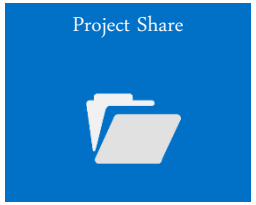
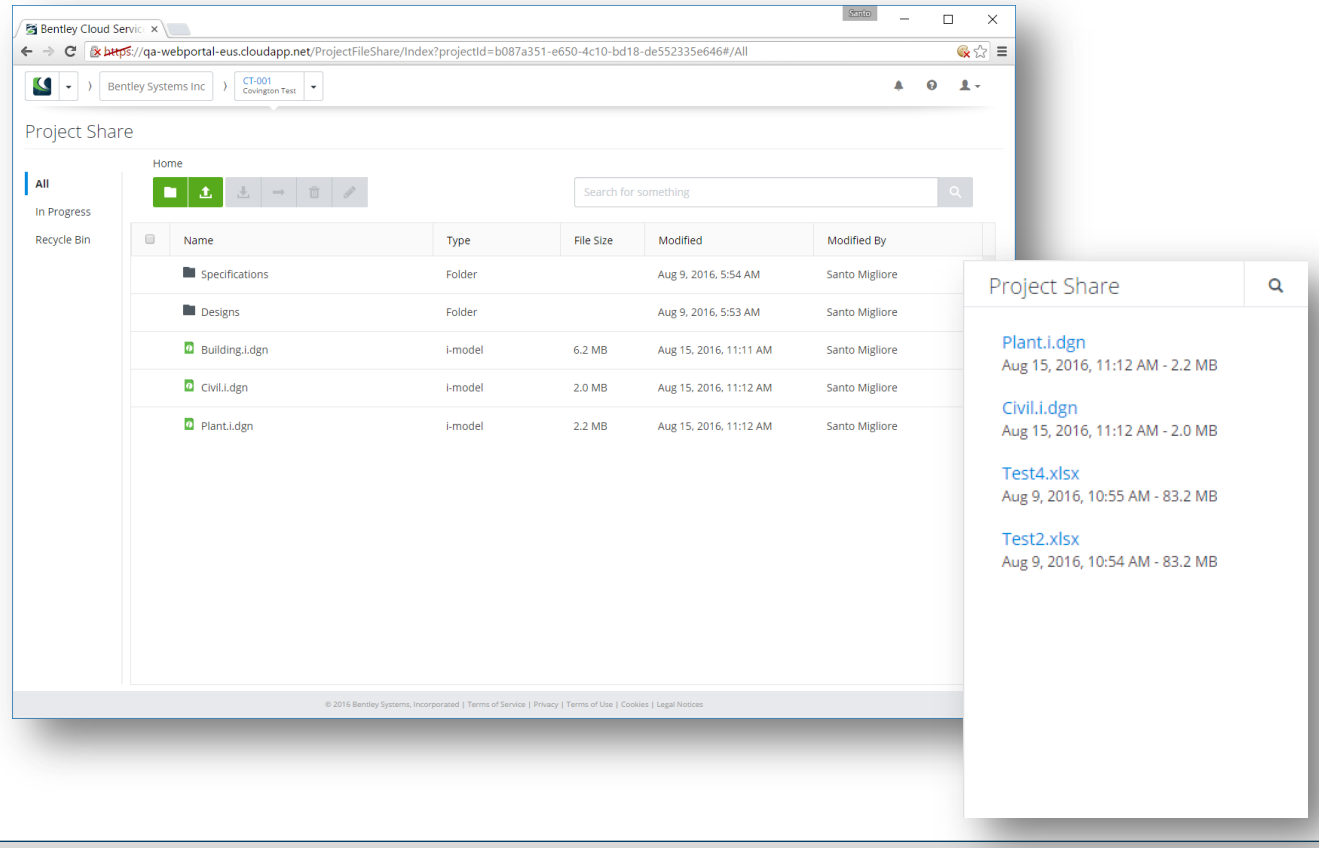
Open, live sharing for project workgroups

ProjectWise CONNECTION Services



- Open and Live
- Simple Sharing
- Every design tool
- No IT Investment
- Remove bespoke systems
- Mitigate security risks



CONNECTED DATA ENVIRONMENT

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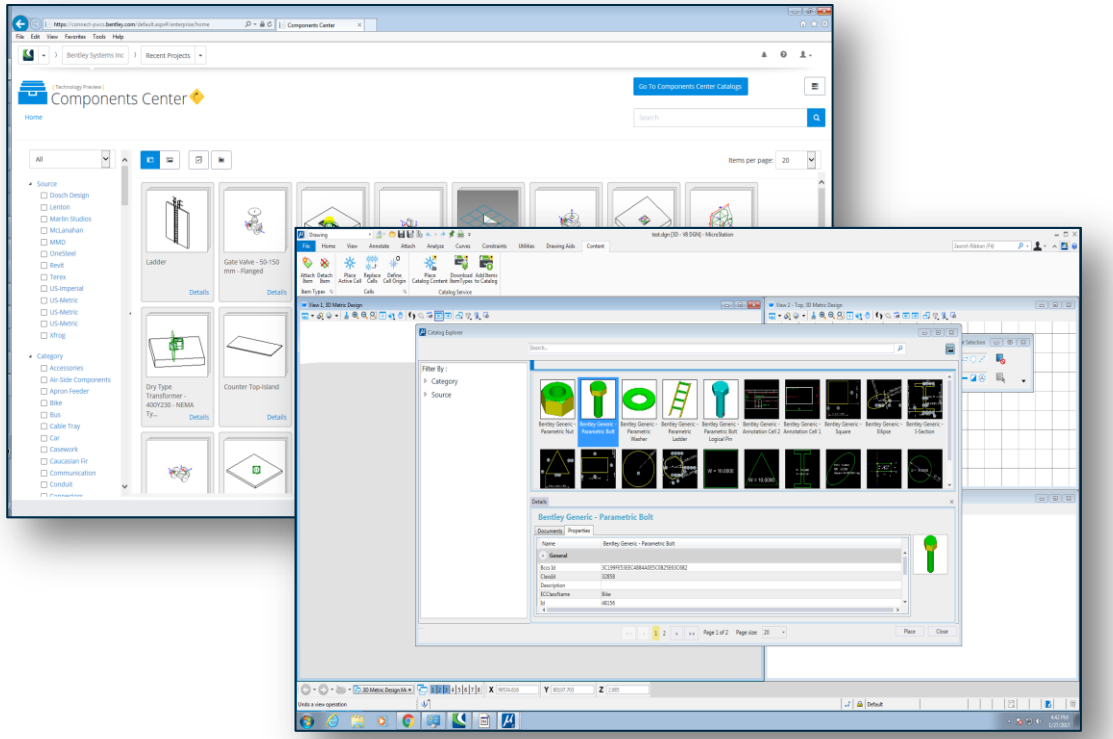
Faster access to and more consistent use of components

ProjectWise CONNECTION Services

Component Center

- Accessible from within MicroStation
- Quick, easy access to high quality components
- Easily manage and share approved project-specific content
- Improved project-wide consistency
- Capture component knowledge throughout lifecycle
- Simplify hand-off and hand-over



CONNECTED DATA ENVIRONMENT

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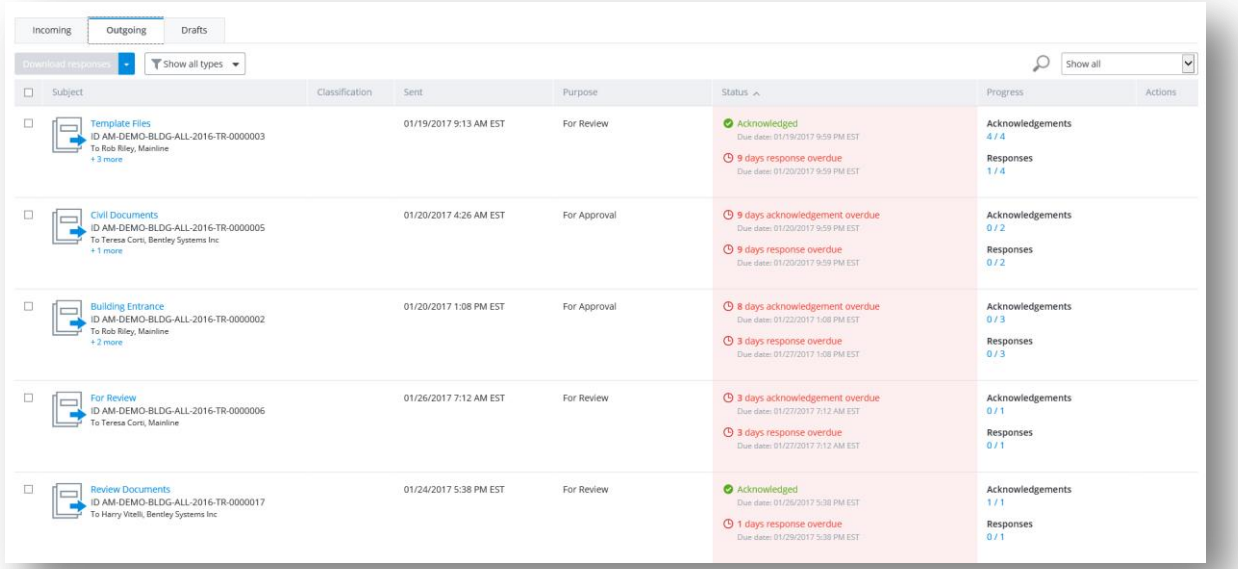
Expedite and Manage Deliverables

ProjectWise CONNECTION Services

Deliverables Management

- Expedite deliverables
- Shorten turnaround times
- Standardize reviews and approvals
- Audit trail



CONNECTED DATA ENVIRONMENT

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Wrap-Up – Bentley Map CONNECT Edition

- All the great capabilities of MicroStation CONNECT
- Enhanced user experience
- Complete 64 bit application
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Map
CONNECT Edition

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