

Urmas Jüriorg, CAD-süsteemide OÜ, Estonia





MicroStation

3D modeling and documentation software for infrastructure projects





Interoperable and Scalable **Platform**

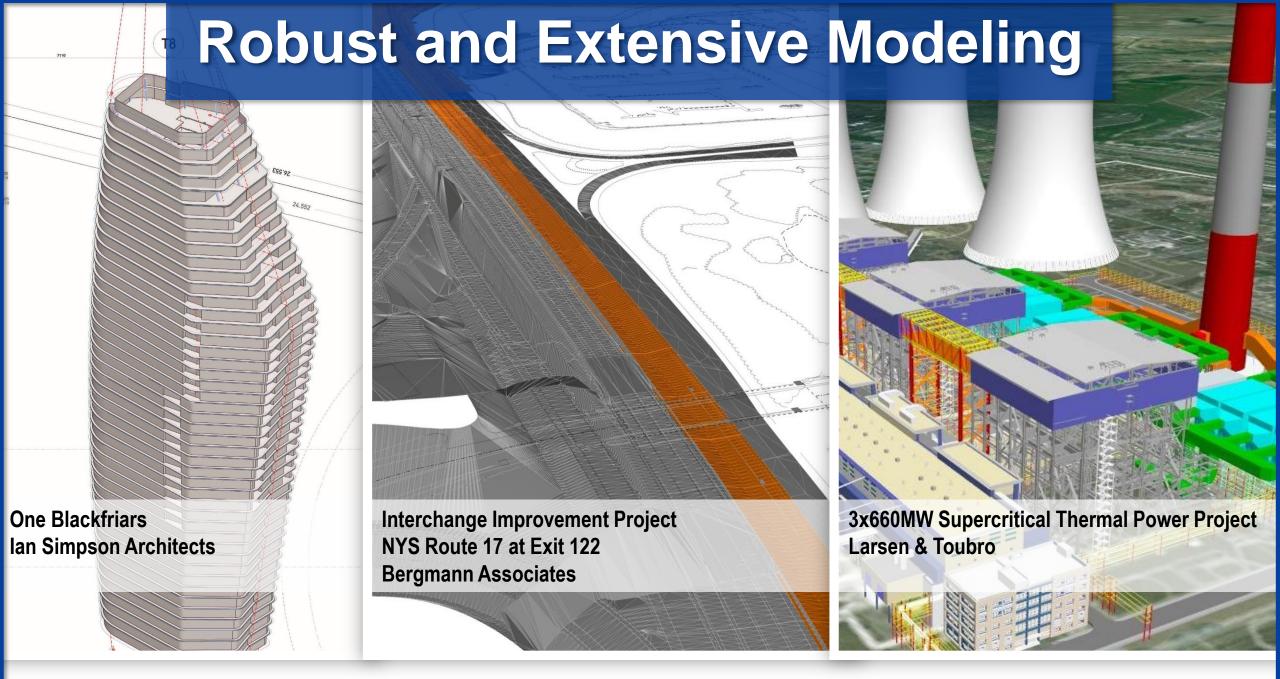
Robust and Extensive Modeling

Automated Production of Intelligent Deliverables





Bentley®





The CONNECT Edition

Become a CONNECTED

User

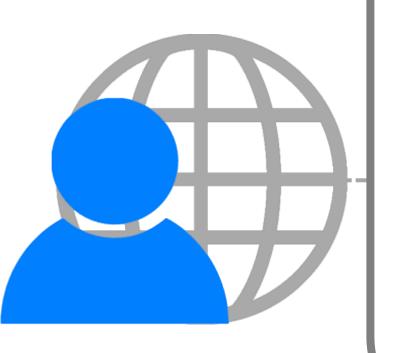
Work on CONNECTED

Projects
Within CONNECTED

Enterprises



The CONNECTED User



Personal Dashboard



Application Usage Tracking



Settings



Learning **Paths** & Transcripts



Personal **Playlists**



Content



Passport s & Visas



Communitie



RSS Feeds



Service **Ticket Status**

Notifications

i-model



New Version Notifications



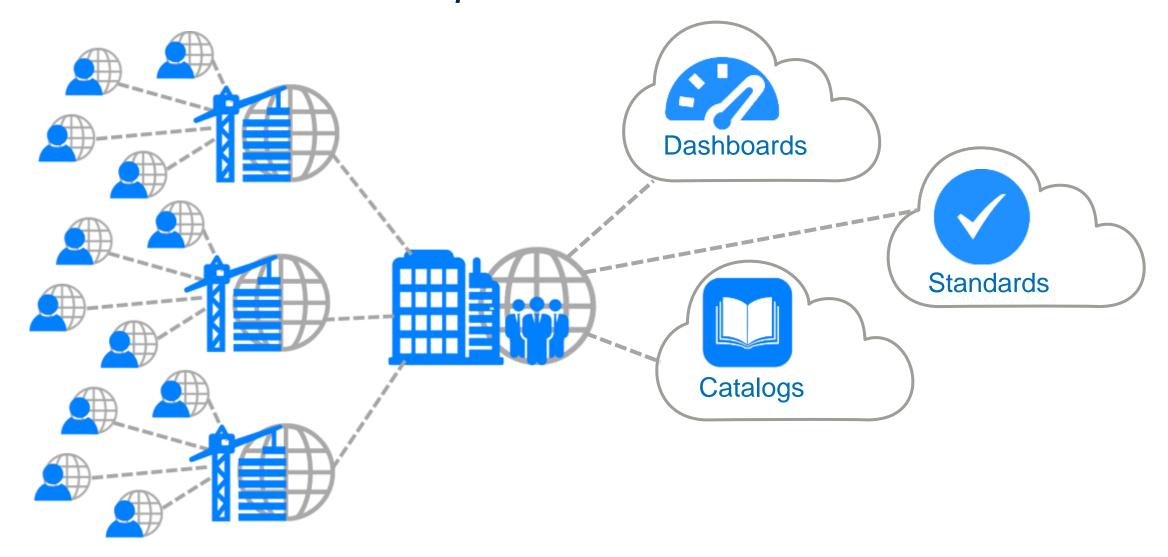
Fix **Download Notifications**



The CONNECTED Project Dashboards Playbooks **Standards Engineering Content** Management Deliverables Management Catalogs



The CONNECTED Enterprise





The CONNECT Edition The Common Environment for Comprehensive Project Delivery

The Common Environment for Comprehensive Project Delivery Modeling, Data, Performance

Reality Modeling Parametric Modeling

Functional Components

Documentation Center

Personalized Experience

Reality Modeling Parametric Modeling

Functional Components

Documentation Center

Personalized Experience

MicroStation CONNECT Edition

More Training...

VIEW EXAMPLES





Hydro Plant

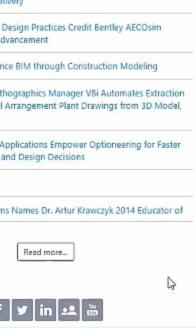


Airport Terminal



LEARNING Experience Level Courses Edges Overlay Workflow (12:02) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. In this fourth and last video learn a new workflow for producing high quality high resolutio... Contours and Edges (0.28) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. In this third video of 4 learn how to render using contours and edges overlay. Render Settings Output to PSD (1232) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. In this second of 4 videos learn about all the output channels available when rendering wit... Output Channels [14:54] 000 In this first video of 4 you will learn how render output channels can be used with Photoshop to produce unique effects such as ambient occlusion render with realistic glass. Lighting Environments and Wrap Up (7,41) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. In this fifth an last video you will learn more about the impact of Environments on illuminat... Lighting with Environments (1457) You will be able to achieve amazing renderings by following Jerry's visualization recipes, this month's topic is lighting and in this fourth video of 5 you will learn about Environment... Lighting Area Lights, Glow and Environment (1321) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. This month's topic is Lighting in this 3rd video of 5 you will learn about Area Lights, Glow Li... Lighting with IES and Glow (1252) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. This month's topic is lighting and in this second video of 5 you learn about IES photometric... Lights Indirect Range and Material Visibilty (14:19) 000 You will be able to achieve amazing renderings by following Jerry's visualization recipes. This month's topic is Lighting in this first video of 5 you will learn about the render settings... Materials from DGN (4:47) 000 Every month, your Instructor, Jerry Flynn, will host a question and answer session on a variety of visualization topics. The topic for January 2015 is Materials this fifth video is on crea... Materials Projections (1230) Every month, your Instructor, Jerry Flynn, will host a question and answer session on a variety of visualization topics. The topic for January 2015 is Materials this fourth video is on m... Fur Based Materials (1459) 000 Every month, your Instructor, Jerry Flynn, will host a question and answer session on a variety of visualization topics. The topic for January 2015 is Materials this third video is on cre... Layered Materials (1137) 000 Visualization Special Interest Group Every month, your Instructor, Jerry Flynn, will host a question and answer session on a variety of visualization topics. The topic for January 2015 i... Material Widgets (1422) 000 Visualization Special Interest Group Every month, your Instructor, Jerry Flynn, will host a question and answer session on a variety of visualization topics. The topic for January 2015 i... Texture Replicators (15:00) 000 Visualization SIG What's new for visualization MicroStation Connect Edition EAP2 Jerry Flynn shows the new ribbon interface demonstrates some new features related to visualization.

NEWS AND ANNOUNCEMENTS Bentley Acquires EADOC Registration and Schedule Now Available for 2015 Bentley LEARNing Conferences in U.S. Bentley Adds Process Safety and Risk Management Capabilities to AssetWise APM Bentley Acquires Acute3D Bentley Acquires C3global Bentley Systems Congratulates Network Rail on Taking Top Honors for its Linear Asset Decision Support System at IET Innovation Awards 2014 Bentley Announces Winners of 2014 Be Inspired Awards Bentley Systems and Highways Agency Announce AssetWise Academy Bentley Systems and Siemens PLM Software advance manufacturing process productivity through reality modeling of industrial facilities Bentley Unveils the CONNECT Edition's Common Environment for Comprehensive Project Delivery Leading Architectural and Design Practices Credit Bentley AECOsim Building Designer's BIM Advancement Bentley and Trimble Advance BIM through Construction Modeling News Alert: OpenPlant Orthographics Manager V8i Automates Extraction and Production of General Arrangement Plant Drawings from 3D Model, Saving Time and Money Bentley's New MineCycle Applications Empower Optioneering for Faster and Better Mine Planning and Design Decisions 2014 Be Inspired Awards News Alert: Bentley Systems Names Dr. Artur Krawczyk 2014 Educator of Read more...



MicroStation

Projects

Blackhawk Estates

Health Protection Center lealth Protection Centre for Women a...

Cougar Dam Reservoir

Falcon Flight School
Light Commercial

Graphite Mine Road Extension

Hames Water Treatment Plant Vater Treatment Plant Improvements

Hardisty Tank Farm

Hardisty Tank Farm

Round Lake Bypass Link between I-87 and U.S. 9

Street Water Treatment Plant

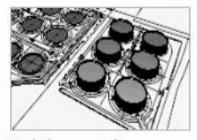
Other Files No active project

New Project

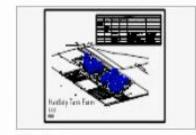
Hardisty Tank Farm

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

10/28/2014 10:09:23 AM 10/30/2014 10:05:00 AM

2259 KB

Open

Properties

123 51 ProjectId

ProjectName Hardisty Tank Farm

ProjectNumber 00000032

ProjectManager

ProjectType eB.Data.Project ProjectDescription Hardisty Tank Farm

ProjectStartDate ProjectEndDate ProjectLocation

ProjectScopeld 123

Members

bill.blair@mailinator.com

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chris.bober@bentley.com

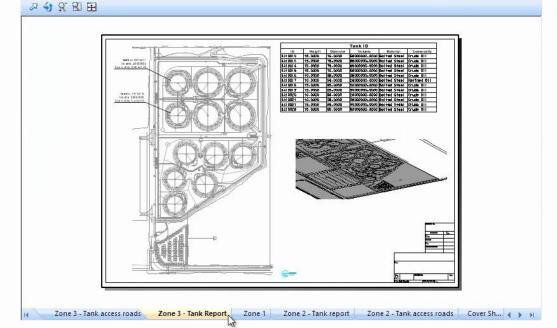
chris.bober@bentley.com

chris.bober@bentley.com

cindy.cross@mailinator.com Eagle Infrastructure

cindy.cross@mailinator.com Eagle Infrastructure

cindy.cross@mailinator.com



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Personalized Experience: Playlists/Playbooks

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

Hames Water Treatment Plant Water Treatment Plant Improvements

Hardisty Tank Farm

Hardisty Tank Farm

Round Lake Bypass Link between I-87 and U.S. 9

Street Water Treatment Plant



New Project

Hardisty Tank Farm

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



Create Local Project

SIGN IN | EVENTS & LEARNING | SUPPORT

Products

BROCHURE BUILDER (8)

Services

Projects

About

Properties

ProjectId ProjectName

ProjectNumber

ProjectManager

ProjectStartDate

ProjectEndDate

ProjectLocation

ProjectScopeld

Members

ProjectType ProjectDescription 123

51

123

00000032

eB.Data.Project

Hardisty Tank Farm

Hardisty Tank Farm

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cindy.cross@mailinator.com Eagle Infrastructure

cindy.cross@mailinator.com Eagle Infrastructure

cindy.cross@mailinator.com raala lafaaska saksaa

Markets

Bentley Playlist™

AECOsim Building Designer **Bentley Substation**

PRODUCTS

Bentley Raceway and Cable Management

Bentley Substation

Bentley

promis.e Enterprise

Bentley Descartes

ProjectWise WorkSite

Navigator Mobile

MicroStation

ProjectWise

ProSteel

STAAD Foundation Advanced

STAAD, Pro

Bentley Substation combines intuitive 3D modeling, electrical design functionality, and automatic bill of materials and report generation, all working together to get your project completed, approved, and online in the shortest possible time.

Capabilities

USED BY

Engineer, Substation

PRODUCT SUMMARY

Engineer, Protection and Control

LEARN MORE

Search Projects

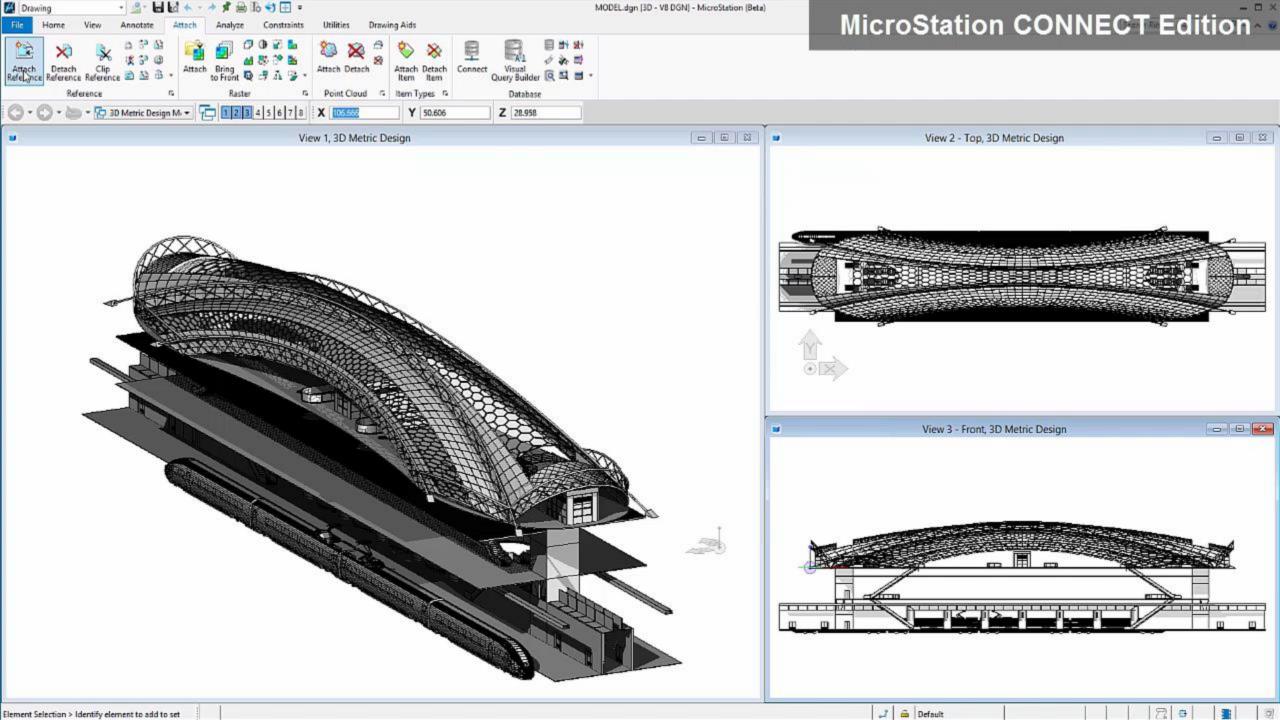
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Reality Modeling Parametric Modeling

Functional Components

Documentation Center

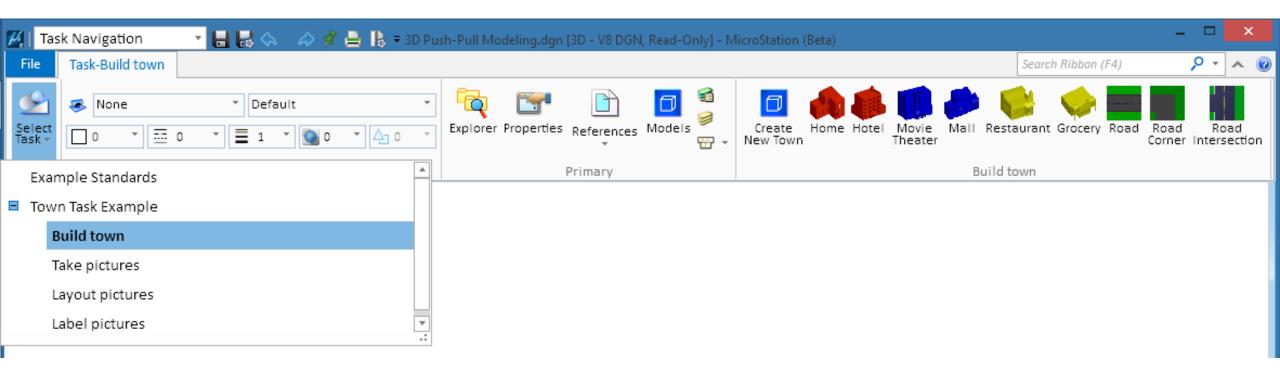
Personalized Experience





Streamlined User Experience: Search/Filter μ Configuration: User [examples] File cell Category nces and detach referenced models, adjust r... Variable Name Description Flag Level ng→Attach 🚱 Cells MS_BOOKMARKS_CELL Cell library bookmarks System New... Clash Detection ng→Home→Primary→References MS CELL Cell Library Directories Project Colors ng→Home→Primary MS CELL SEEDFILE Cell Library Seed File Undefined Data Files MS_CELLLIST Cell Library List Project Manager Database Edit... MS CELLOUT Output Cell Libraries Project I the display of one or more raster imag... Design Applications MS CELLSELECTOR Cell Selector File Undefined Design History Select... louds MS_CELLSELECTORDIR Cell Selector Directory Project Distributed DGN e the display of one or more Point Clou... MS HTMLDGNDIR HTML Template Directory System DWG/DXF MS MENU Menu Cells System Engineering Links MS_PLT_AUTOAREA_RESULT_LIMIT Automatic Area Result Limit Undefined Delete manage, and switch between models i... Extensions MS RESOLVESCNAMECONFLICTS Shared Cell Name Conflicts Undefined File Saving /lanager Levels level display and level symbology for t... Macro Recorder)isplay Markup and turn off levels in a model MDL Development OLE < Operation Expansion **Detailed Description** Primary Search Paths iew settings in the active design file Printing C:\Data\Install\MicroStation082102113\WorkSpace\s...\celmarks.htm Specifies the bookmark file for remote cell libraries. (MS BOOKMARKS CELL) Protection 1ail Raster the current design file as an attachment... Reference ess File Rendering/Images esses the design file size and removes u... Reports Security Toolbar (2) Seed Files ettings Spelling < iew settings in the active design file <u>O</u>K Cancel ess Options Hide Details

Streamlined User Experience: V8i Workflows





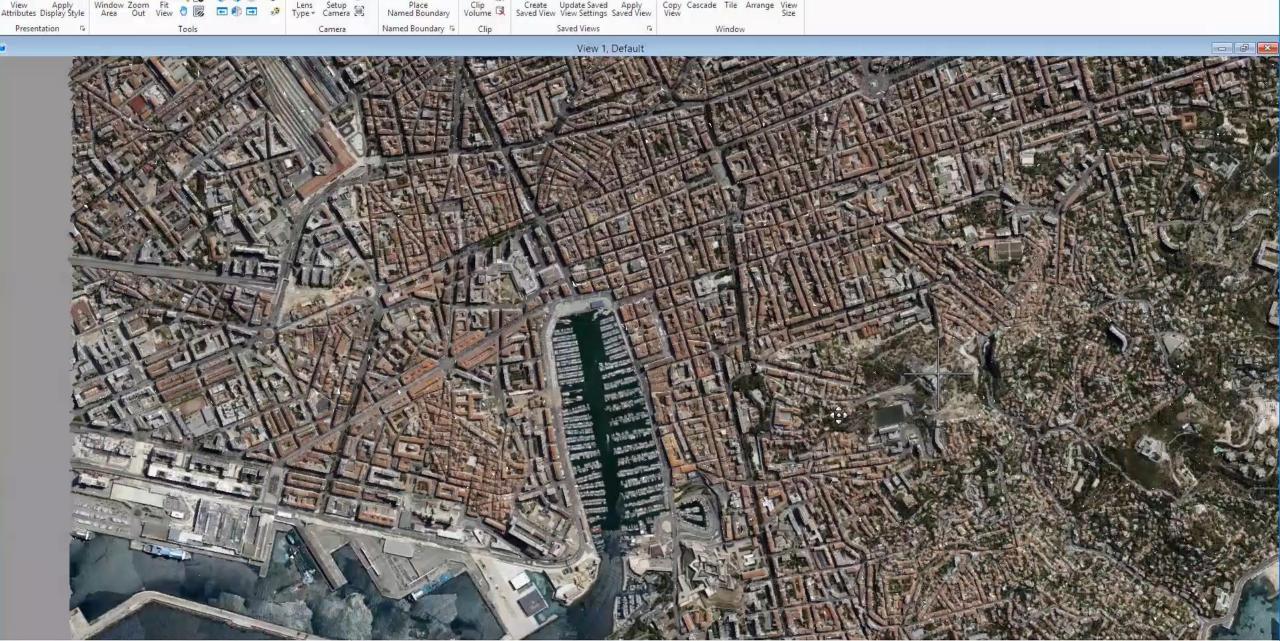
Reality Modeling Parametric Modeling

Functional Components

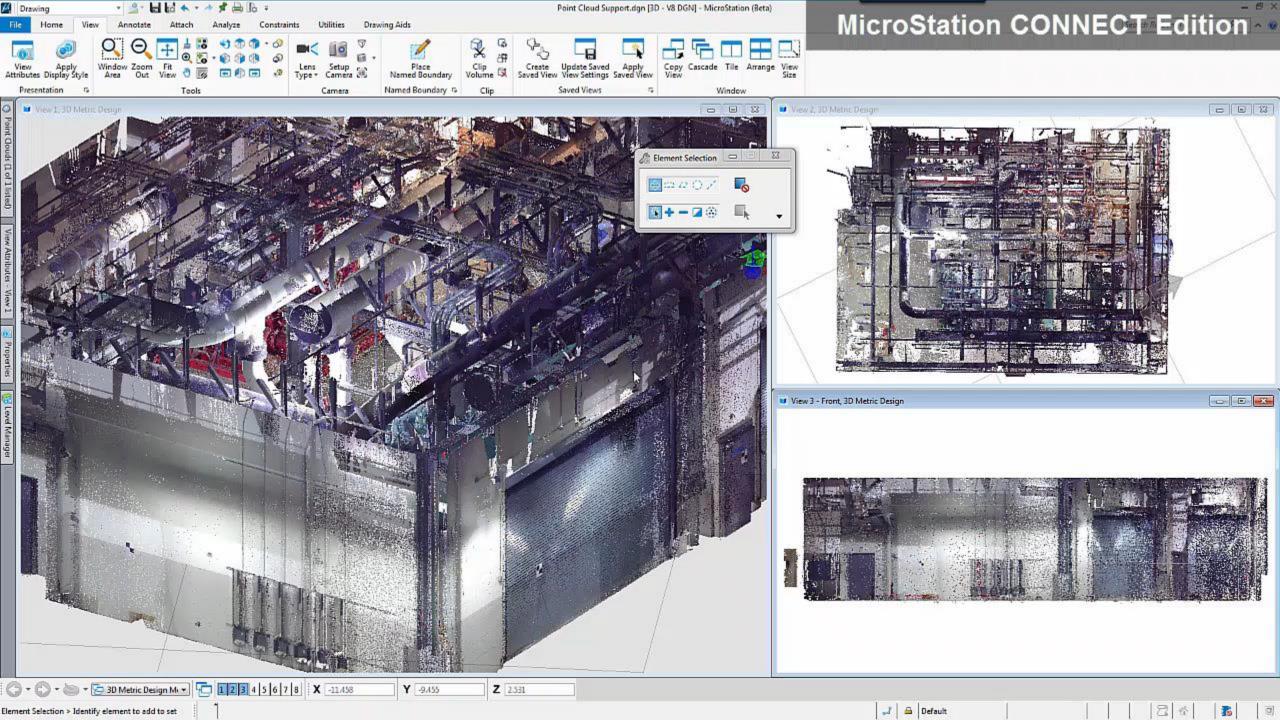
Documentation Center

Personalized Experience





Smart3DCapture Viewer [C:\Data\acute3d\Usine-highest\v3.2-usine-highest-75%-s3c.s3c] Reality Modeling smart3Dcapture™

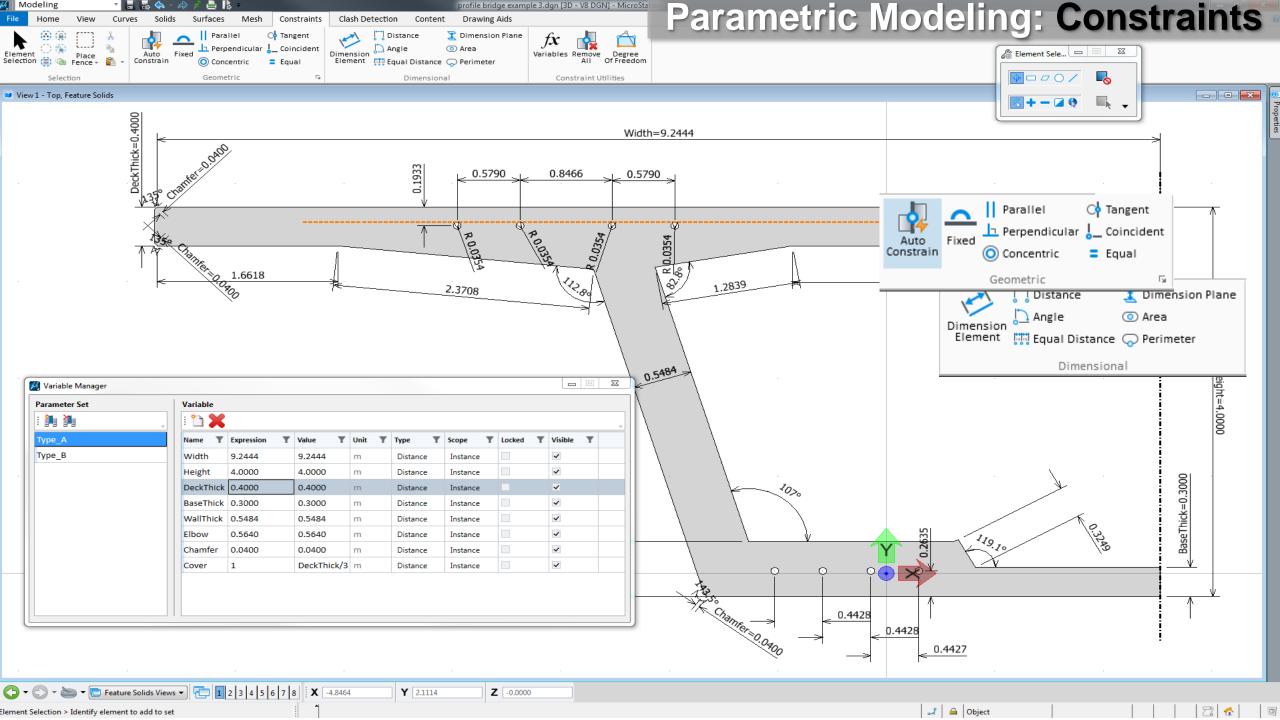


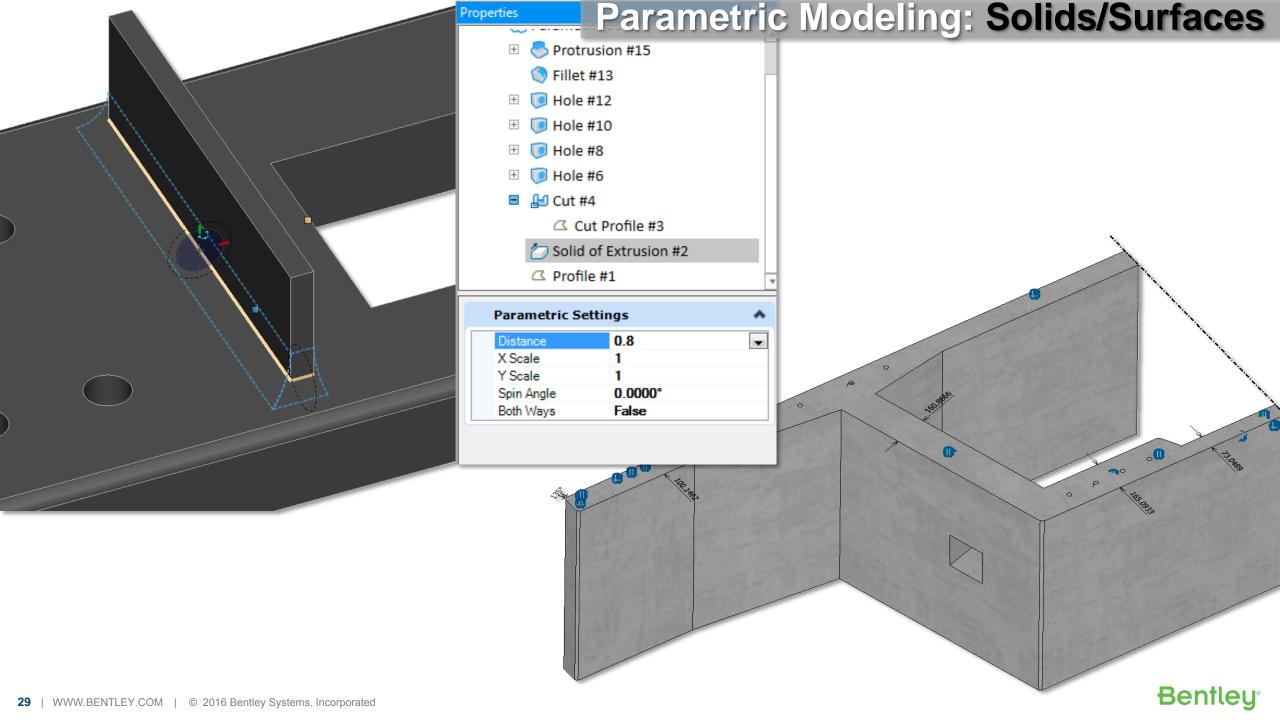
Reality Modeling Parametric Modeling

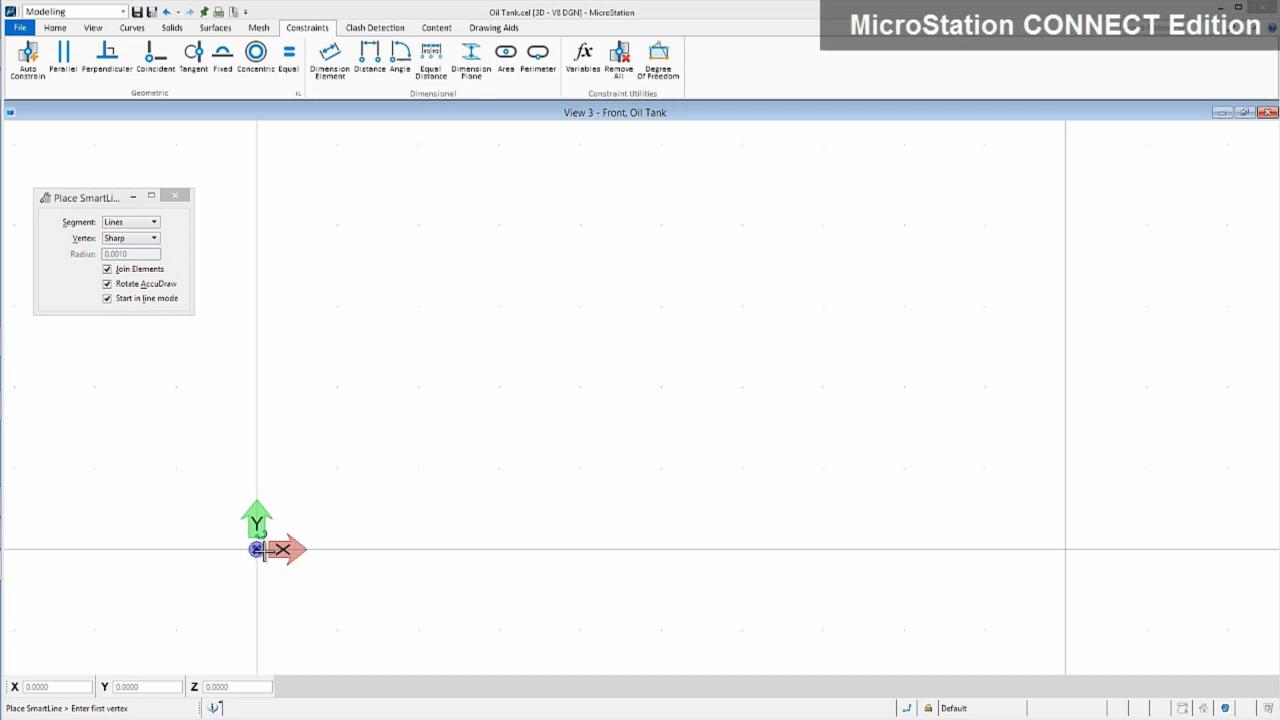
Functional Components

Documentation Center

Personalized Experience







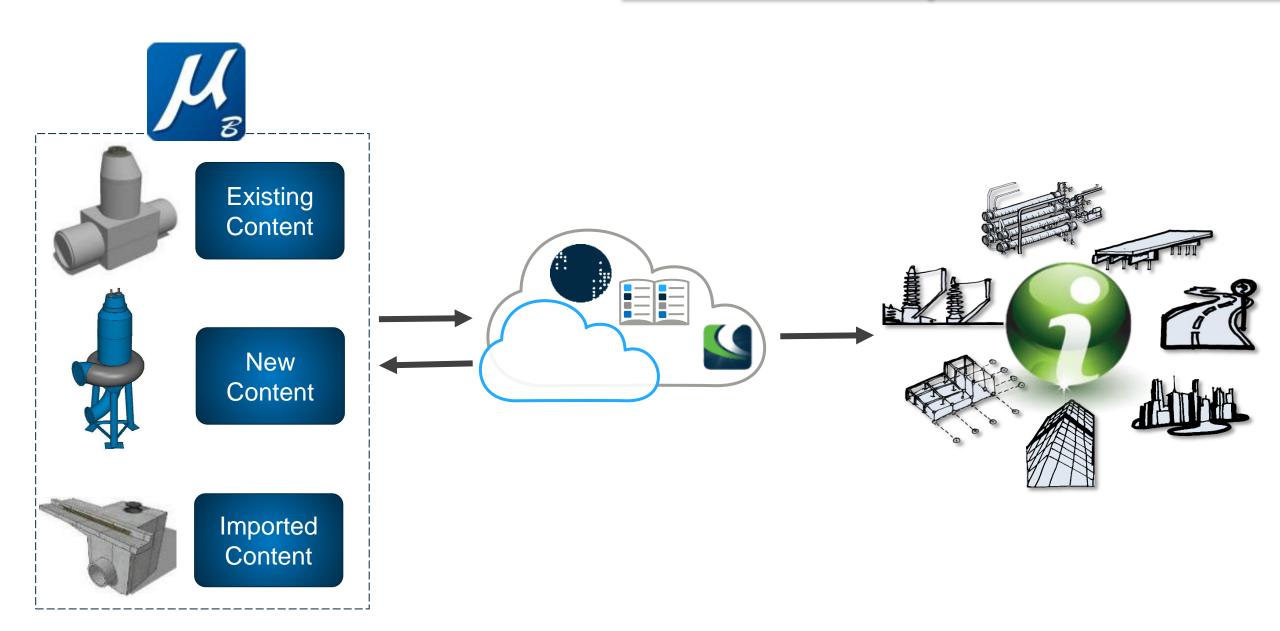
Reality Modeling Parametric Modeling

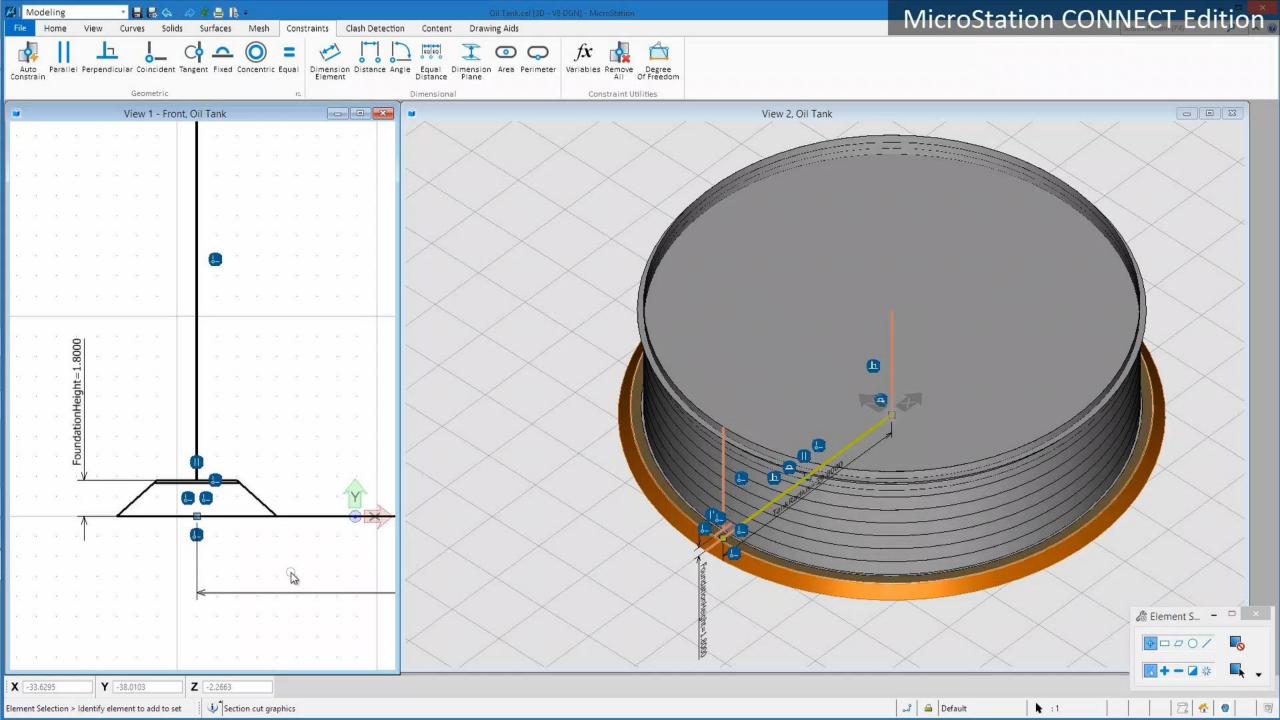
Functional Components

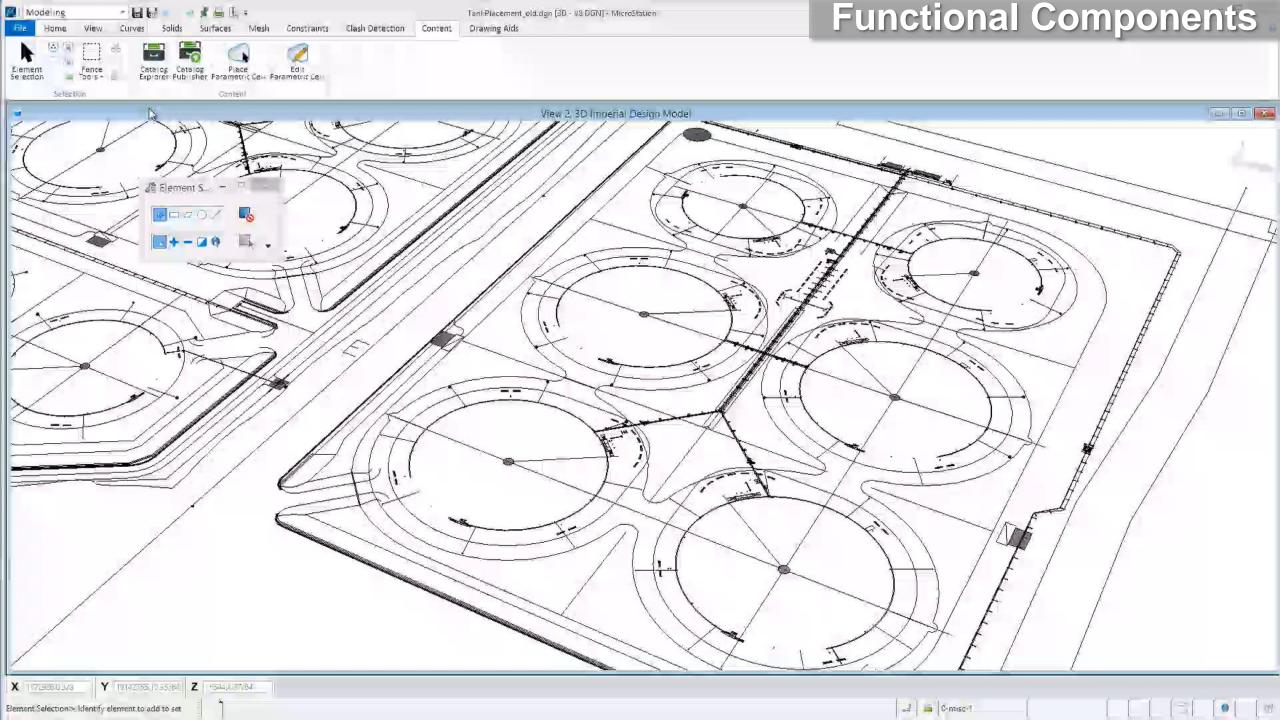
Documentation Center

Personalized Experience

Functional Components: Workflow







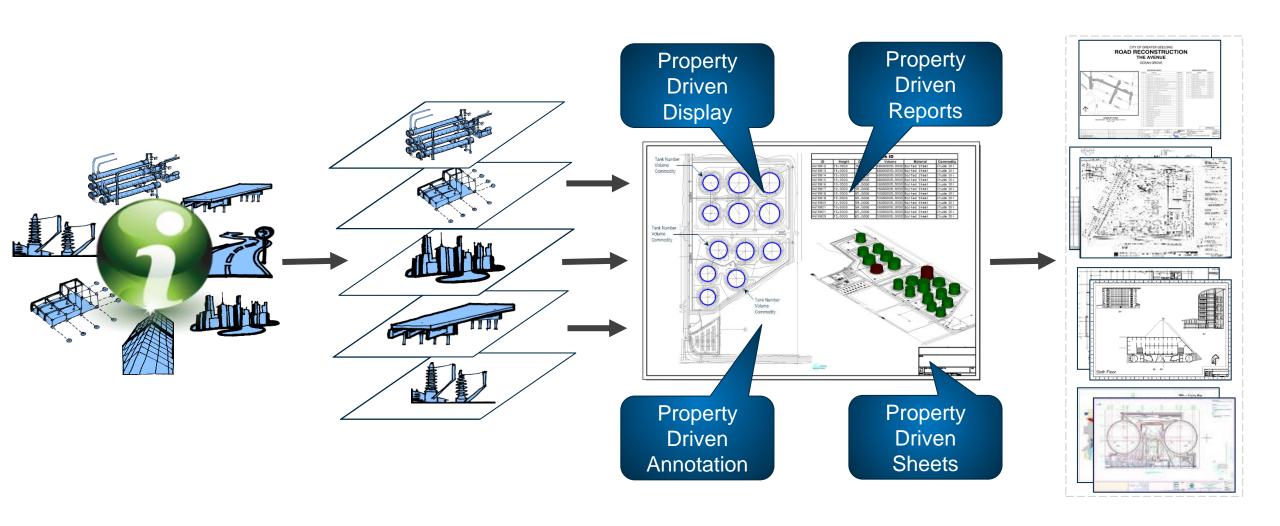
Reality Modeling Parametric Modeling

Functional Components

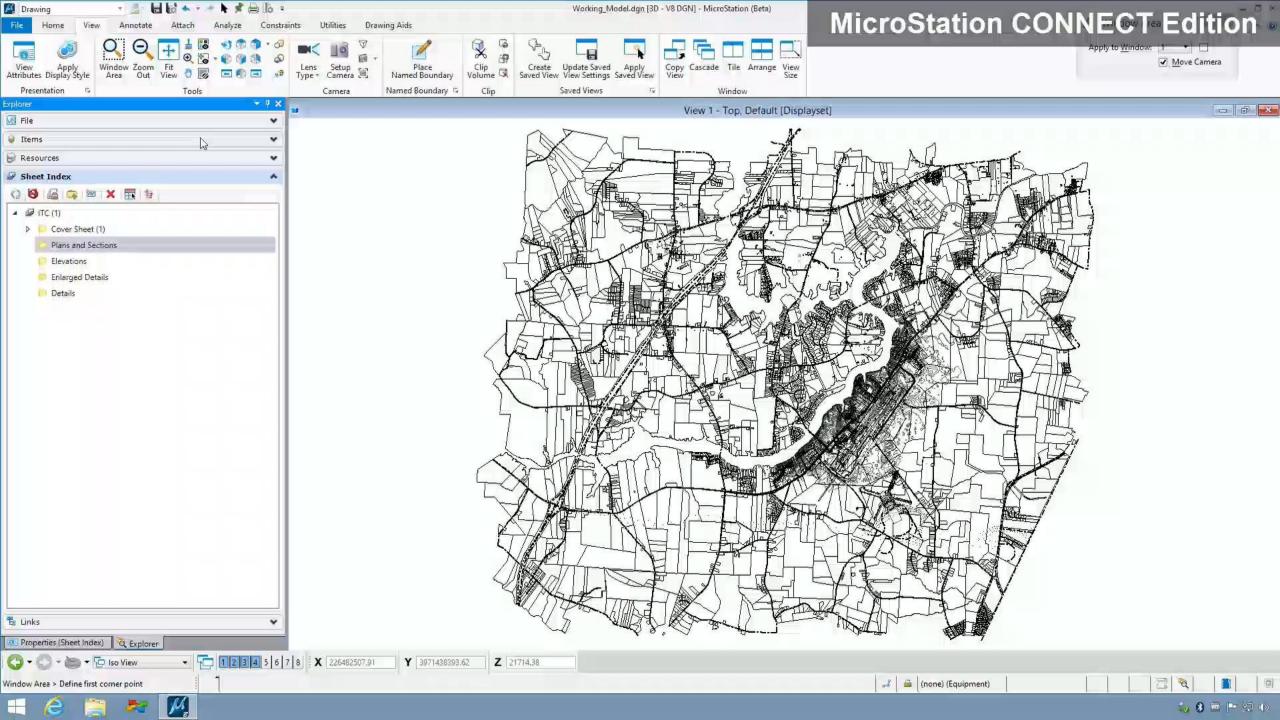
Documentation Center

Personalized Experience

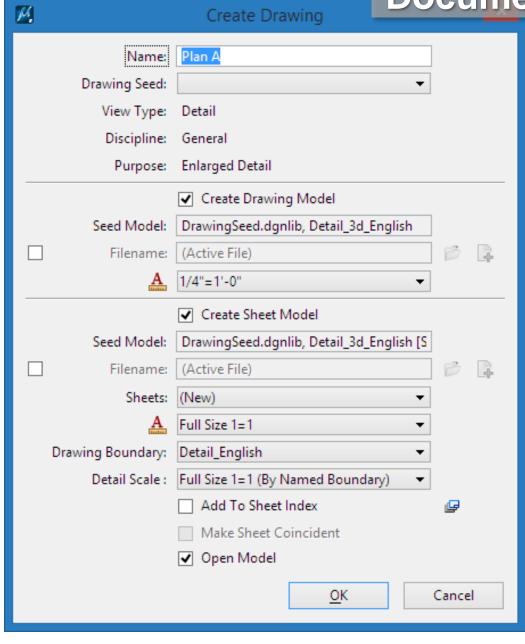
Documentation Center: Streamlined Workflows

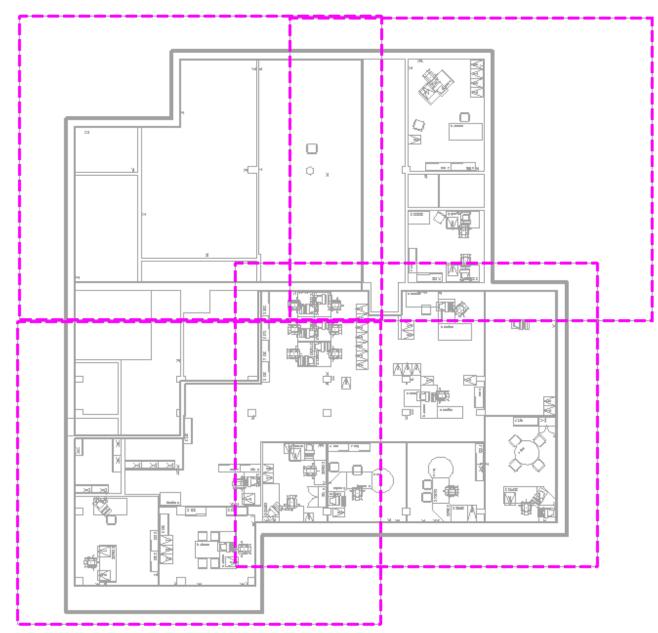




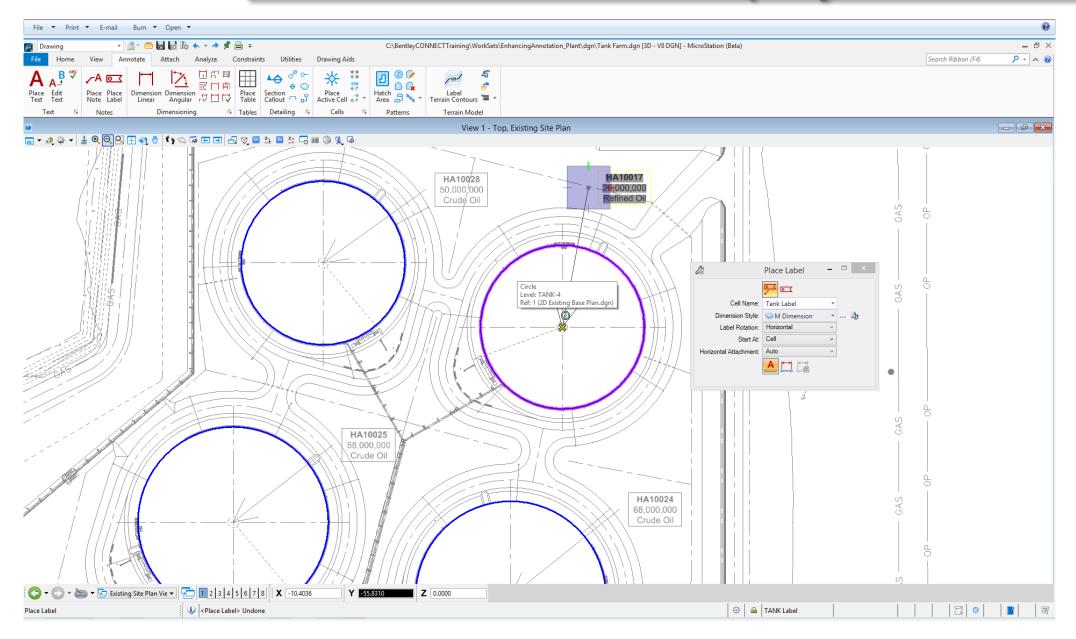


Documentation Center: Automated Sheet Layout



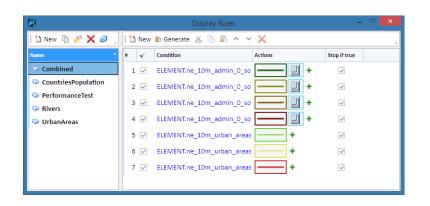


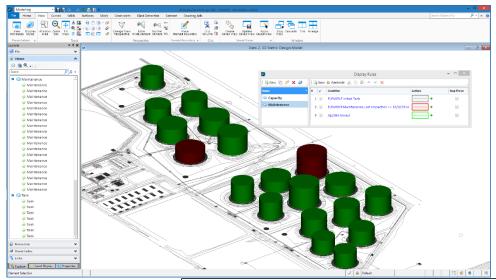
Documentation Center: Property Driven Annotation



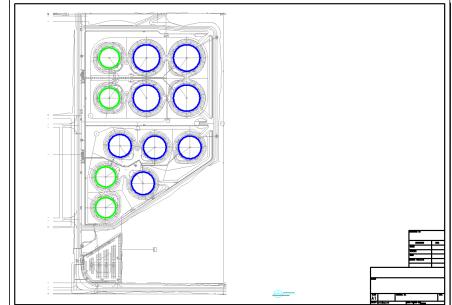


Documentation Center: Property Driven Display

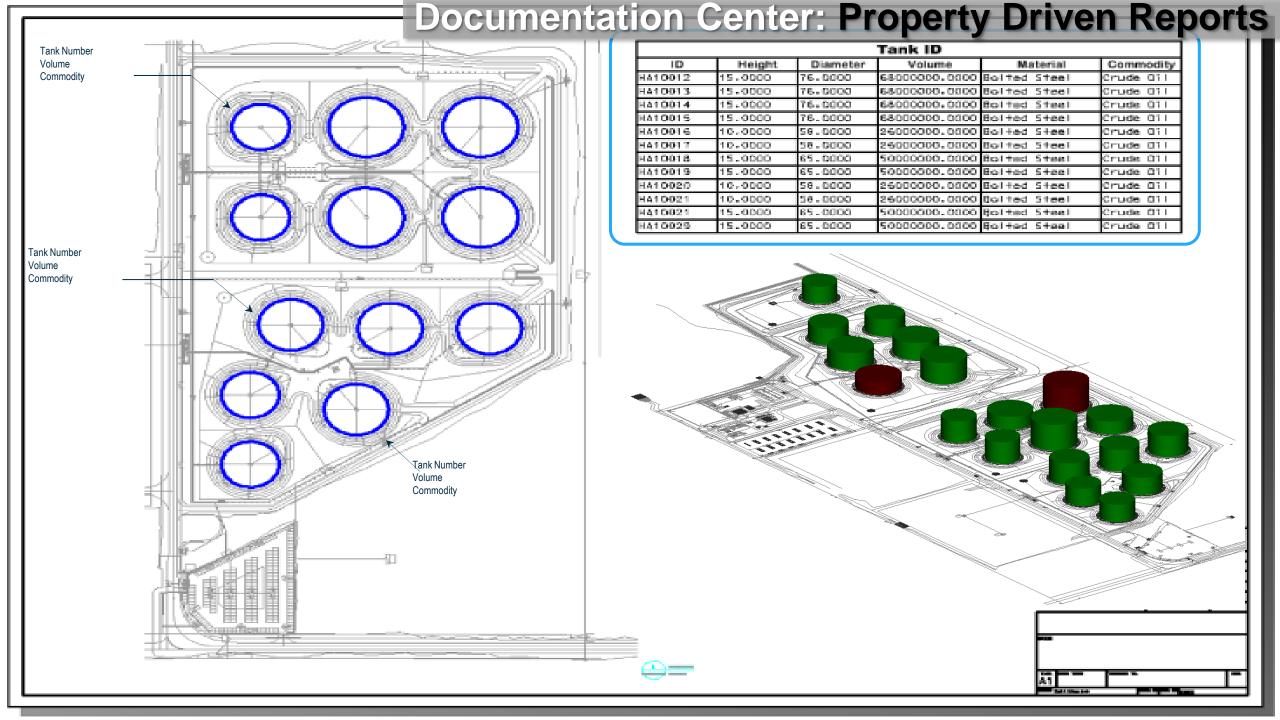








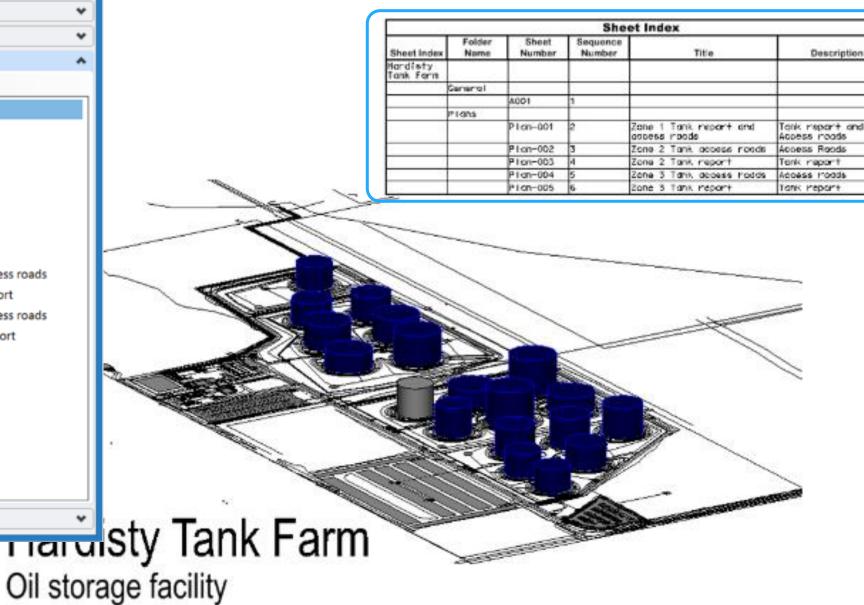


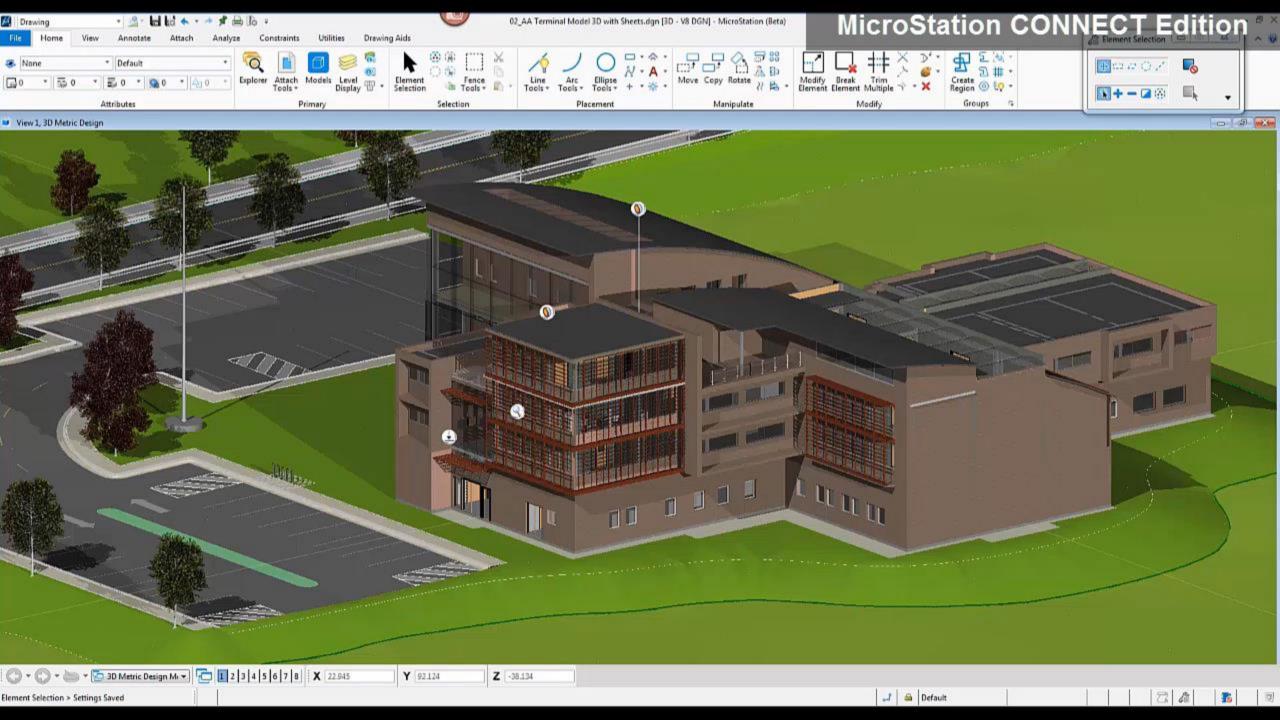


Explorer v8 File Items Resources Sheet Index Hardisty Tank Farm (6) General (1) A001 [1, 1] Cover Sheet Plans (5) Plan-001 [1, 2] Zone 1 Drawings Zone 1 Zone 2 Plan-002 [2, 3] Zone 2 - Tank access roads Plan-003 [3, 4] Zone 2 - Tank report Plan-004 [4, 5] Zone 3 - Tank access roads Plan-005 [5, 6] Zone 3 - Tank Report Drawings Zone 3 - Tank Report Links

Canada

Documentation Center: Sheet Index





Common Modeling Environment

Reality Modeling Parametric Modeling

Functional Components

Documentation Center

Personalized Experience

Streamlined
User
Experience

- Modernized C++ API's
- Better integrated .NET environment and examples
- Microsoft VBA 7.1 (64-bit)
- Microsoft Visual Studio 2013 compiler
- Many New and Updated MDL SDK Examples
- Applications require updates to run in CONNECT Edition



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 NotificationService





MicroStation

3D modeling and documentation software for infrastructure projects

Software to Design a Better World







