

New York									
08:30	Kaffe och registrering / Coffee and registration								
09:30	Välkomna/Welcome								
09:35	<p>BIM is just a word....the future is Digital and Connected</p> <p>We will discuss the UK Government stance on BIM and where that is heading, and Bentley's approach to embracing BIM as a process. Neville will also provide an overview of the new platform generation that is the CONNECT Edition and how that supports Digital Construction.</p>								
10:30	<p>Platform Keynote - MicroStation CONNECT Edition</p> <p>The new version of MicroStation CONNECT Edition is one of the most substantial releases in its history. This presentation will explain the concepts behind its evolution and how it will help you better connect with project teams, create intelligent 3D parametric models, and more efficiently create accurate drawings, reports, and 3D deliverables.</p>								
11:30	BUS - Årsmöte								
12:00	Lunch								
Rum	Paris	Atlanta	Milano	New York	Sydney	London	Washington	Stockholm	
Spår	Bygg	Civil Workshop	Civil	Rail	Plattform	Geospatial	Plant/Mining/Geotechnical	Workshop	
13:00	<p>What's New in AECOSim Building Designer SS6?</p> <p>Fundamental - Come see the new features, updates, and enhancements delivered in the SELECTseries 6 Release of AECOSim Building Designer.</p>	<p>Bringing data from SELECTseries 2 to SELECTseries 4</p> <p>This presentation discusses the best practices for moving existing project data to the OpenRoads environment. While importing the data is easy, there are considerations you need to make depending how the data will be used. We will discuss terrain models, geometry, Roadway Designer corridors, and much more.</p>	<p>Bentley Civil Keynote (Civil Product Update)</p> <p>Fundamental - There have been a lot of exciting changes to the Bentley Civil products over the last few months and years. But let's face it, sometimes it's hard to keep up! As always, this session will bring you up to date on these changes as well as give you a glimpse into the future. If you want to know what's going on with Bentley Civil, this is the session for you!</p>				<p>What can we expect in 2016 for GeoSpatial Desktop and Mobile.</p> <p>What is the current state of Bentley Map, Bentley Map Mobile, Descartes, Pointools and what is this new product Smart3dCapture. Further we look at the 'Roadmap' for all these product, what can we expect to see in the next year and maybe a glimpse of what's coming later</p>	<p>Spatially Located Digital Data - Providing a Window into Your Operation - Marcin Stecki - ISD Bentley Mining</p> <p>Of particular importance within a mine environment is spatially located digital data. During the operational phase of a mine the process of design, develop, and extract becomes an integrated and continuous loop. This continual cycle becomes the focal point of a mine's operation, and key to this is the accurate positioning of the excavations mined and the geological and evaluation features encountered.</p>	<p>Test drive - MicroStation CONNECT Edition</p>
13:50	Jonas Wahlberg, Bentley	Rob Nice & 2 assist, Bentley	Ian Rosam, Bentley				Gijsbert Noordam, Bentley	Marcin Stecki	Ronald Zeike, Bentley
14:00	<p>Datagroup Reporting</p> <p>Intermediate - This lecture will demonstrate new functionality with AECOSim Building Designer Ss6 for managing the data on your model. It will cover new enhancements to the DataGroup system including importing data from Excel.</p>	<p>Bringing data from SELECTseries 2 to SELECTseries 4</p> <p>Intermediate (NEW) Hybrid lecture / workshop</p>	<p>Why are Integrated Civil I-Model's a Better Option to Exchange Data?</p> <p>Fundamental - Discover Bentley's integrated workflow for transportation design and construction. Explore the streamline process in taking your Bentley 3D OpenRoads models directly to a Civil I-Model. This process will show how business data and design integrity of your 3D design is shared and distributed for engineering, bidding, and construction purposes. Bentley's new Infrastructure Consensus Model (ICM) will also reduce errors, save time, and ultimately saves money on your fast tracked projects. While allowing the contractor to use your design instead of recreating it from scratch.</p>		<p>ContextCapture (Accute3D)</p> <p>Creating a textured mesh model from photos taken with any camera such as mobilephone, SLR, drone. This mesh model can be referenced to MicroStation, ABD or edited with our mesh tools.</p>	<p>Introducing Bentley Map Mobile</p> <p>Fundamental - Learn how you can extend the reach of your Bentley Map and MicroStation data using Bentley Map Mobile on Android and iOS tablet devices. Learn more about new Bentley Map Mobile capabilities and upcoming enhancements.</p>	<p>Bentley gINT - Industry leading software for centralized data management and reporting for subsurface projects of all types: geotechnical, geoenvironmental, mining and more.</p>	<p>Test drive - MicroStation CONNECT Edition (Cont)</p>	
14:50	Karsten Pudziow, Bentley	Rob Nice & 2 assist, Bentley	Ian Rosam, Bentley		Dan Cutler, Bentley		Gijsbert Noordam, Bentley	Gary Logan	Ronald Zeike, Bentley
15:00									
15:20	<p>3D BIM objekt Dörrar i Förfärd Stockholm.</p> <p>Denna presentation kommer handla om hur ÄF projekterar dörrar i Förfärd Stockholm. En genomgång av bakgrunden, samt Trafikverkets krav vid leverans. Beskrivning av flödet från projektering med hantering av metadata till Excel och vidare till Dörrkort.</p>	<p>Using Civil Cells in OpenRoads</p> <p>Intermediate - This course is for both new users and users upgrading from previous versions of PowerCivil, Power GEOPAK, MX, and Power InRoads software to use the OpenRoads Technology in SELECTseries 3 & 4. You will learn the basics of placing civil cells. This includes gaining an understanding of what civil cell references are and how to use them in a practical workflow. You will learn to use the civil cells delivered with the product, as well as how to use civil cells taken from external sources and incorporate them into your models. You will learn to edit and re-use civil cells that have been placed within a model. Before completing this course, we recommend you complete both the QuickStart for Terrain & Geometry Using OpenRoads as well as the QuickStart for Roadway Modeling Using OpenRoads courses.</p>	<p>Best Practice: Corridor Modeling</p> <p>Intermediate - This presentation will provide the best practices to use Corridor Modeling successfully in the OpenRoads environment. The highlights will range from the fundamentals, enhancements offered in SELECTseries 4, leading into tips and tricks, and other advance topics.</p>	<p>OpenRoads Mobile</p> <p>Intermediate - Come and see how Bentley is expanding their mobile offerings into the civil area. Whether you are just starting a project and need field notes, or you're monitoring test / work sites or involved in construction aspects of a project, you'll want to take a look at OpenRoads Mobile. Download your civil data, collect comments, notes, record drawings, pictures or video clips, all geospatially, then return the data to the office! See the technology preview of the first OpenRoads Mobile tentatively set for release in 2015</p>	<p>Tips for Upgrading to MicroStation CONNECT Edition</p> <p>Fundamental - Learn from a panel of experts. Gather numerous 'tips' on quickly and painlessly upgrading to MicroStation CONNECT Edition. This lecture concentrates on MicroStation CONNECT Edition's main areas of focus. First, the New User Experience. A modern, consistent and intuitive user experience is used for all Bentley desktop applications. Next up is Parametric Content Modeling. Our integrated, unified modeling environment allowing the creation, import, reuse, assembly and manipulation of 3D parametric content. Followed by Extending Information Mobility. Bentley CONNECT will serve as a hub for infrastructure projects, connecting individuals and organizations to on-demand services through a personalized interface. Rounding out our discussion will be Multidisciplinary Property Driven Documentation. We will discuss Item Types, Annotation, Reporting, Tables, Display Rules and Automated Sheet Layout and Sheet Indexing.</p>	<p>Using Point Clouds in Civil/Geo Workflows</p> <p>Learn how Descartes can assist in your civil workflow, with tools to define the class of points within the point cloud, you can geocoordinate point clouds, and extract linear features like rail, tunnels or roads. See how you can run clash detection</p>	<p>MineCycle Survey, (PPT+live demo) + Q&A 50 mins - Alain Beland, Product Manager, Bentley Canada</p> <p>Rapid and Accessible Survey Intelligence - MineCycle Survey is an underground and surface mine survey application that accelerates data processing and visualization to deliver more timely information to planning and operations. The software's unique open data architecture provides unmatched flexibility and freedom to share survey intelligence across the enterprise, enabling mine owner-operators to make faster, higher-quality decisions that improve mine performance.</p>	<p>Basic: Testdrive AECOSim Building Designer. Learn how to model a small project, create drawing sheets with Dynamic Building Views, perform solar analysis, export to Google Earth, create schedules.</p>	
16:10	Lars-Erik Svensson, ÄF	Ernst van Baar & 2 assist, Bentley	Jeff Martin, Bentley	Ian Rosam, Bentley	Ronald Zeike, Bentley	Dan Cutler, Bentley	Alain Beland	Jonas Wahlberg, Bentley	
16:20	<p>ContextCapture (Accute3D)</p> <p>Creating a textured mesh model from photos taken with any camera such as mobilephone, SLR, drone. This mesh model can be referenced to MicroStation, ABD or edited with our mesh tools.</p>	<p>Using Civil Cells in OpenRoads cont.</p>	<p>Best Practice: From Civil Model to Plan Set</p> <p>This presentation discusses best practices for documenting the civil model with cross section sheets, earthwork quantities, and reports and how to save the model back to InRoads, formats for use by traditional tools and workflows</p>	<p>Enhancements for Rail Design</p> <p>"Fundamental - Let's take a look at the new Bentley Rail Track SELECTseries 4 which is now built with OpenRoads technology. This allows rail designer to enjoys the benefits of rich 3D modeling environment, design intent, and dynamic updating. Including Promis-e presentation."</p>	<p>MicroStation CONNECT Edition</p> <p>Intermediate - Sheet creation is a time consuming process causing inconsistencies and delays in the delivery of projects. Tracking the number and the order of sheets is a tedious and error-prone manual process. With numerous Drawing Composition Innovations implemented within MicroStation CONNECT Edition, your team will improve the consistency and quality of sheet layouts and speed up the process of creating and delivering well-organized sheet sets. Discover capabilities like creating multiple sheets in a single operation and automated layout based on scale, location or along a path. Master simplified Sheet Indexing that enables the use of a central location to index sheets and control the number, order, properties of sheets and make publishing deliverables easier.</p>	<p>MicroStation FDO Reader</p> <p>Lär er hur man kan hämta in alla typer av spatiella data i ren MicroStation. Hämta geometrier och attribut från Excel, Shape, Oracle, MySQL, PostGIS, WFS och en mängd andra format. Skapa kompletta kartor från data i olika format och datakällor. Lösningen finns för både V8i och CONNECT.</p>	<p>MineCycle Designer, (PPT+live demo) 30 mins Alain Beland, Product Manager, Bentley Canada</p> <p>MineCycle Material Handling, (PPT) 20 mins speaker MineCycle Designer is the only mine design application that enables a single dynamic environment for design, evaluation, and scheduling to dramatically shorten planning cycles and support the systematic evaluation of alternative scenarios. Through design optioneering and flexible enterprise-wide access to design data, the software empowers owner-operators to produce higher-quality designs, make faster decisions, and develop economically optimal mine plans. MineCycle Material Handling is a unique, purpose-built bulk material handling (BMH) conceptual design application that provides an automated design environment encompassing civil, structural, and mechanical disciplines. The software enables EPCs and consultants to complete preliminary designs up to 30 percent faster and with higher quality</p>	<p>Basic: Testdrive AECOSim Building Designer. Learn how to model a small project, create drawing sheets with Dynamic Building Views, perform solar analysis, export to Google Earth, create schedules. cont.</p>	
17:10	Dan Cutler, Bentley	Ernst van Baar & 2 assist, Bentley	Jeff Martin, Bentley	Rob Nice, Bentley	Ronald Zeike, Bentley	Krister Surell	Alain Beland	Jonas Wahlberg, Bentley	
17:30	Mingel (Hämta dryck och tilltugg)								
18:30			<p>Mingel och Fråga Bentley-baren och testa nya Civil Mobile Navigator CONNECT Edition</p> <p>Ask the experts Civil, Rail and Mining</p>				<p>Mingle and Ask the experts (Alain Beland Bentley Canada)</p>	<p>Mingel och Fråga Bentley-baren</p> <p>Ask the experts Platform, Building and Geospatial</p>	
18:30	Mingel								
19:00	Middag								

Fredag 13 november Dag 2(2)								
Rum	Paris	Atlanta	Milano	New York	Sydney	London	Washington	Milano
Spår	Bygg	Civil Workshop	Civil	Rail	Plattform	Geospatial	Plant/Mining	Workshop
08:00	Kaffe och smörgås							
09:00	Adventures in Generative Components An exploration of some GenerativeComponent models, their application in real world and theoretical scenarios and a look at some new features available with the integration of GC into AECOSim Building Designer.	Working in OpenRail SELECTSeries 4 and managing geometry in SELECTseries 2 Managing the ALG and updating the OpenRail geometry environment. Focus on file management (best practice), cant, and curve widening	Advantages of Implementing Subsurface Utility Design and Analysis (SUDA) In this session we'll walk through the advantages of adding SUDA to your software solutions. We'll explore how to migrate to SUDA or how SUDA can enhance some current solutions. Finally, we'll explore some best practices for implementing SUDA.	Best Practice: Geometry Intermediate - This presentation provides best practices for working with OpenRoads geometry. Learn why design intent is important, when and how to use Civil AccuDraw, how to control the rules as well as import / export native geometry.	Navigator CONNECT Edition Does your project have a need for design review and model collaboration across offices, sites, and the field? You will learn how the next generation - CONNECT of our popular Bentley Navigator application and Navigator Mobile app fulfill these project needs.	QuickStart for Bentley Map: Using Engineering Drawings to Populate your Database Fundamental - In this workshop you will learn some of the basics of Bentley Map. How to analyze, edit and populate your database using add and promote features. More importantly we will use existing survey and design data to create a map that is engineering accurate.	OpenPlant - Advancing Industry Standards For Plant Design, Construction, Commissioning and Operations Interoperability - Marcin Stecki - ISD Bentley Mining	Functional Components: Capture Design Intent in MicroStation CONNECT Edition (Connect Parametric Cells) Workshop: Come and learn what Functional Components are and why you should use them. Learn to add your Design Intent directly to your geometry so its behavior responds to change. Learn how to stop modeling multiple variations of a 2D or 3D cell and start using a single Parametric Cell as the source of variations. Build up from constrained profiles to parametric solids, using variables to drive parametric cells, then create libraries of Functional Components ready to be placed in your
09:50	James Manfield, Sweco	Rob Nice & 2 assist, Bentley	Jonathan Smith, Bentley	Ian Rosam	Jonas Wahlberg, Bentley	Gijsbert Noordam, Bentley	Magnus Cullberg	Ronald Zeike, Bentley
10:00	Learn how to create an Analytical Space Model (ASM) to be able to perform an Energy analysis on your project.	Working in OpenRail SELECTSeries 4 and managing geometry in SELECTseries 2 cont.	Save Time and Money with Subsurface Utility Design and Analysis (SUDA) Model See the drainage design capabilities of Subsurface Utilities Design and Analysis in action. See hydraulics calculations from basic to advanced, in one package. Hydraulic capabilities are integrated with OpenRoads, including high definition 3D Models	Best Practice: Earthwork Volume Calculations Intermediate - No job is complete until you can provide the owner/operator the cost to make your design a reality. Civil projects are no different. Learn to see how the OpenRoads tools can provide the earthwork and material quantities for your next project.	QuickStart for MicroStation CONNECT edition Are you new to MicroStation and looking to learn some tools and workflows to be productive right away? This short, practical course introduces common practices to create design geometry and produce project deliverables Presenter:	Processing Point Clouds with Bentley Descartes	OpenPlant P&ID and OpenPlant Modeler (PPT+video). OpenPlant is a software suite providing true interoperability for 2D and 3D plant design engineering through integration of the ISO 15926 standard as an intrinsic data model. Its open schema also provides interoperability with any other design system using ISO 15926, as well as ProjectWise and AssetWise for true plant lifecycle management.	Functional Components: Capture Design Intent in MicroStation CONNECT Edition (Connect Parametric Cells) (Continued)
10:50	Karsten Pudziow, Bentley	Rob Nice & 2 assist, Bentley	Jonathan Smith, Bentley	Jeff Martin, Bentley	Makai Smith, Bentley	Dan Cutler, Bentley	Magnus Cullberg	Ronald Zeike, Bentley
11:00	Navigator CONNECT Edition Does your project have a need for design review and model collaboration across offices, sites, and the field? You will learn how the next generation - CONNECT of our popular Bentley Navigator application and Navigator Mobile app fulfill these project needs.	Using the Model: Preparing for Plans Production in OpenRoads Within OpenRoads, the majority of the plan production is done using the native tools and native file formats. In order to facilitate the usefulness of these tools, this course will focus on moving the OpenRoads data and models back to the native data formats. These files can then be used to create construction drawings, including plan sheets, profiles sheets, and grading plans	Where Do I Start? Feature Definitions Fundamental - This presentation focuses on the fundamental aspects of understanding feature definitions within OpenRoads. It will explain what feature definitions are, how to create them, and how to use them in OpenRoads. The presentation will provide best practices for linking to existing native styles as well as explaining the differences in using native styles versus element templates. The presentation will demonstrate how feature definitions impact the design model and show you how to utilize feature definitions in a design environment. Are you used to managing and/or editing the XIN-file in SELECTseries 2, this is the place to be for you when you move into SELECTseries 4.	Best Practice: large scale infrastructure projects - working with reference files Advanced overview Take a look on how file federation will allow you to handle large projects. Examine how file structure and referencing can benefit you during a projects lifecycle. Also look into other factors that will streamline performance of models which will aid you on starting new projects in way that they will scale to meet your needs as the project grows in complexity.	Functional Components: Capture Design Intent in MicroStation CONNECT Edition (Connect Parametric Cells) Lecture: Come and listen to what Functional Components are and why you should use them.	ProjectWise RoadMap Roadmap and technology update on ProjectWise, Bentley's project collaboration and content management platform.	The overview of Bentley Water solutions suite - to enable mining owner-operators to successfully provide sustainable water and wastewater systems with a comprehensive set of software tools to design, build, and operate water and wastewater infrastructure that is easily deployed to serve the challenging needs of mining operations and meet the environment protection requirements.	Test drive - MicroStation CONNECT Edition
11:50	Jonas Wahlberg, Bentley	Jeff Martin & 2 assist, Bentley	Jonathan Smith, Bentley	Ian Rosam, Bentley	Makai Smith, Bentley	Bill McNamara & Marty Nickel, Bentley	Marcin Stecki	Ronald Zeike, Bentley
12:00	Lunch							
13:00	Grid & Floor Manager Fundamental - This hands-on training teaches the enhancements to the new Grid Systems tool in AECOSim Building Designer SELECTseries 6, and how it works in conjunction with the Floor Manager.	Using the Model: Preparing for Plans Production in OpenRoads cont	Best Practice: Scanned Data Capture it's value and use in the civil model Data capture is on the increase through a variety of formats. This session will explore these formats to allow the user to take advantages of wealth of information on offer without feeling overwhelmed managing them.	How to use the new Bentley Technology in Civil projects Join Ernst in a informal session on how to easy get started with conceptual design and visualization (ContextCapture and LumenRT)	Enhancing Annotation in MicroStation CONNECT Edition Fundamental - MicroStation CONNECT Edition continues to build upon an already broad and extensive portfolio of annotation tools. Discover new and enhanced annotation tools to more clearly communicate your designs. Improve project deliverables by consistently and precisely illustrating design intent with confidence and speed. Get a closer look at new and cool capabilities like placing Labels, Sheet Indexing, Notes, and Tables which will allow your team to better embellish a set of plans.	Lantmåteriets öppna geografiska information Lantmåteriet jobbar för att kunna släppa ut sin geografiska information avgiftsfritt som öppna data. Den 1:a juli 2015 släpptes de första produkterna och 1:a januari 2016 kommer mer. Lantmåteriet berättar om status för arbetet och hur tankarna inför framtiden går.	ProjectWise / Geospatial Server for Mining and Exploration ...the data centric hub (glue) for the Mining & Metal solution portfolio ...the engineering technical content management tool for 3D models, design reviews and handover ...solves customer data management issues across multiple mining/engineering disciplines and collaboration across large complex mining projects ...the system that provides the interface between project teams and project information that helps sustain value across the enterprise.	Test drive - MicroStation CONNECT Edition (Continued)
13:50	Karsten Pudziow, Bentley	Jeff Martin & 2 assist, Bentley	Ian Rosam, Bentley	Ernst van Baar, Bentley	Makai Smith, Bentley	Johanna Fröjdenlund, Lantmåteriet	Marcin Stecki	Ronald Zeike, Bentley
14:00	Functional Components: Capture Design Intent in MicroStation CONNECT Edition (Connect Parametric Cells) Lecture: Come and listen to what Functional Components are and why you should use them.	Cross Sections: Creating, Annotating, and Volumes Intermediate - This class teaches how cross section sheets are created and annotated, earthwork volumes are computed, and mass haul diagrams are formulated.	Best Practice: Terrain modeling Intermediate - This presentation provides best practices for working with OpenRoads terrain. During this session you will learn about the rules that define Terrain Models, the different Terrain Models types and how to manage Terrain Models.	promis-e for Rail Signaling Fundamental - Bringing the 3D physical signal and 2D schematic design closer together provides a powerful design tools for Rail Signaling. We will discuss the benefits of making 2D cable connections in the schematic and then routing those cables in the 3D model to get accurate cable lengths and routing information for construction. This time saving workflow combines the best of both civil and electrical schematic design.	How to tune your ProjectWise Design Integration installation	Using and Editing Point Clouds Intermediate - In this session you will learn about the powerful and intuitive pre-processing of point clouds that Bentley Pointools has to offer. See how easy animations are created. Discover how unnecessary points are removed and incorrect point colors are corrected. Take a look back at comparing point clouds from different times. Finally, experience how helpful clash detection of objects and point clouds can be.	Geo Web Publisher for sharing Mining, Exploration and many others geospatial information - a comprehensive application for the creation and management of web-based geospatial data. Use Geo Web Publisher to create an easy-to-use web interface to disparate data sources for a wide range of Web GIS applications such as municipal or corporate information systems, image or drawing archives, map-based navigational sites, project sites, and information portals. Integrated vector and image server engines publish hybrid vector/raster datasets and a wide range of formats, making it easy to incorporate drawings, maps, models, aerial photography, and images within custom browser presentations.	Test drive Navigator CONNECT Edition Come and see for yourself what the new Navigator CONNECT Edition looks and feels like
14:50	Makai Smith, Bentley	Ernst van Baar & 2 assist, Bentley	Ian Rosam, Bentley	Håkan Norling	Bill McNamara & Marty Nickel, Bentley	Dan Cutler, Bentley	Marcin Stecki	Jonas Wahlberg
15:00	Kaffe och kaka							
15:20	Dynamic Views vs. Cached Visible Edges Intermediate - This lecture will demystify the difference between a Dynamic view and a Cached view. It will outline the advantages of each and provide tips and tricks for managing your cached views.	Cross Sections: Creating, Annotating, and Volumes cont	What's New in the Civil Workspace Intermediate - Explore several powerful enhancements made to the delivered Civil examples workspace. Custom view controls, 3D guardrail modeling and preliminary planning features, just to name a few. This is a must attend for anyone developing organizational workspaces.	Working in OpenRail SELECTSeries 4 and managing geometry in SELECTseries 2 Managing the ALG and updating the OpenRail geometry environment. Focus on file management (best practice), cant, and curve widening	Introducing ProjectWise Engineering Content Management Come and hear about the new way of working. See the new and enhanced interface and learn what ECM is all about.		Q&A experts	Test drive Navigator CONNECT Edition continued
16:10	Karsten Pudziow, Bentley	Ernst van Baar & 2 assist, Bentley	Jeff Martin, Bentley	Rob Nice, Bentley	Bill McNamara & Marty Nickel, Bentley			Jonas Wahlberg
16:30	Lokal	New York						
		Avslutning / Closure						