

Torsdag 10 november Dag 1(2) Kungsholmen 2							
Kaffe och registrering / Coffee and registration							
Välkomna/Welcome							Thomas Vincent and Mattias Hemmingsson
Keynote: Connected Project							Alan Lamont
Hear from Bentley leadership as they provide an introduction to Connected Project							Alan Lamont
Keynote: Introduction to ProjectWise CONNECT Edition							Al Gray
Hear from Bentley leadership as they provide an introduction to ProjectWise CONNECT Edition							Al Gray
BUS - Årsmöte							BUS Styrelse
Lunch							
Rum	Courtyard 2&3 Bygg	Courtyard 6&7 Civil Workshop	Kungsholmen 1 Civil	Kungsholmen 2 Rail	Lindholmen MicroStation	Courtyard 8&9 Workshop - ProjectWise	Courtyard 5 Geospatial/Mining
13:00	AECOSim Building Designer CONNECT Edition Learn the new AECOSim Building Designer CONNECT Edition updates and take advantage of the new functionalities for your projects	Mastering the Corridor Fundamental - This course teaches the core skills necessary to work with corridors. The course begins with what 2D and 3D elements get created and how the 2D and 3D models interact with one another. Next you will learn how to work with multiple templates in a single corridor and transition between them. You will learn how to override template geometry with Point Controls and End Condition Exceptions, how to target something other than the existing terrain, and how to assign Superelevation to a corridor.	Keynote - Civil Product Update (Kungsholmen 2) Join the product management team for a product review and a preview of the future developments.		What's New in MicroStation Connect Edition A review of the main additions to the MicroStation CONNECT Edition. We will discuss CONNECTED Users and Projects, the new User Interface, new Annotation additions, including the Documentation Center, exciting new Display Rules, Item Types, Reporting, Tables, Sheet Indexing, understand the value of Reality Models, review Constraints and Functional Modeling and wrap it up with changes in 3D Visualization.	Introduction to Spatial Functions in ProjectWise Design Integration What is the spatial function and what can I use it for? This hands-on workshop will explore best practices for leveraging spatial capabilities with ProjectWise including how to create spatial maps and the best techniques for search and symbology.	MicroStation brukt som et verktøy ved forvaltning av mineralressurser (MicroStation as a tool for managing mineral resources) Med utgangspunkt i mineralressursforvaltning slik vi bruker begrepet i Norge, vil en del oppgaver bli omtalt, som for eksempel kartlegging over og under jord med fotogrammetri (ContextCapture), modellering av støy (noise) og dagbruddsplanlegging.
14:00	Brenden Roche Hur IFC och BIP implementerats Användarpresentation hur BIP koder och IFC implementerats med framgång i projekt	Dan Ahern ...continued	Ian Rosam Using OpenRoads Navigator for Review and Inspection (Kungsholmen 2) Discover the potential of OpenRoads Navigator for quick mobile access to civil data in the field at any time for planning, design, construction, and maintenance activities. Learn how you can interactively view, analyze, and augment a wide variety of project information, including geometry, 3D models, and 2D topographies. See the unique civil features including station-offset and GPS location.		Alicia Rodriguez MicroStation 'Tips & Tricks' Come to this lecture and discover how to increase individual and team productivity within your design projects without a long learning curve. MicroStation's new drawing production innovations speed design tasks and simplify workflows. Create 2D and 3D designs with ease with the comprehensive wide range of new and enhanced production drafting tools found in the latest versions of MicroStation.	Graham Hirst/Hans Koorneef ..continued	Erik Ludvigsen, NTNU MineCycle Survey and Design This session will cover the core functions build into MineCycle Products. MineCycle Survey is purposely build for the Mine Survey environment and allows the user use one application for both underground and surface. MineCycle Designer is an efficient fully 3D underground mine design product that provides tools for parametric and rule based design specifically for
14:50	Pelle Öhlin, Oscar Scheiwiler	Dan Ahern	Ernst Van Baar		Alicia Rodriguez	Graham Hirst/Hans Koorneef	Quentin Levey
15:00	Kaffe och kaka						
15:20	ProStructure Efficiently create accurate 3D models for structural steel, metal work, and reinforced concrete structures.	Working in BentleyRail SELECTseries 4 Learn and explore the new Bentley Rail Track SELECTseries 4. Examine how to use the geometrics contained the ALG file in the new "OpenRail" modeling environment. This will included managing horizontal, vertical, and cant geometries with the new Corridor Modeling tools. You will also get an introduction to the new OpenRail ConceptStation where preliminary design concepts can quickly be explored and modeled before moving into BentleyRail for detailed design.	Introduction to Subsurface Utility Engineering and StormCAD for OpenRoads Discover the capabilities of the Subsurface Utility Engineering and StormCAD for OpenRoads products. You will learn what you can do with each application as well as the differences and the overlaps between the two toolsets. Finally we will discuss licensing so you understand which products you need and the advantages of OpenAccess in regards to the utilities tools in OpenRoads.	Adding Street Furniture to an OpenRoads Model Do you want to enhance your OpenRoads models with 3D street furniture such as signs, poles, benches and traffic lights? Join us to learn the basic skills you need to start drawing these types of 3D objects.	MicroStation Visualization - LumenRT Quickly create images, videos and real-time presentations of architecture, landscape, urban and infrastructure designs. With LumenRT, you will 'Tell a Better Story'. Win business through more engaging user experiences while still working in Your Design System. Quickly bring your scenes to life using tools you know. Enjoy high quality graphics with real-time natural lighting.	ProjectWise Administrative and Powershell This session will provide best practices and examples in how to leverage PowerShell to automate administrative tasks in ProjectWise.	ISY CAD Mining ISY CAD Mining er en verktøykasse til MicroStation for effektiv planlegging og drift av gruver, utviklet av Norconsult Informasjonssystemer (NOIS). Siste år er applikasjonene oppgradert til MicroStation CONNECT Edition, og de virker sammen med Bentley MineCycle.
16:10	Magnus Cullberg Using Generative Components Building Nodes to Enhance Your Design Discover why AECOSim Building Designer is advancing BIM through greater integration with GenerativeComponents, Bentley's computational design software.	Rob Nice ...continued	Ernst Van Baar An Introduction to OpenRoads ConceptStation Learn about Bentley's new OpenRoads ConceptStation solution for rapidly creating, analyzing, and optimizing multiple conceptual corridor design alternatives to gain the maximum insights with the minimum of effort in a real-time high-end game-like visualization environment. These conceptual design alternatives can help identify high-cost items allowing alternatives to be evaluated early in a project. The results of the conceptual models integrate with OpenRoads for detailed and final design.	Dan Ahern Understanding Design Intent and How it Impacts OpenRoads Design intent describes the geometry rules OpenRoads creates defining how geometry elements relate to other geometry elements and to graphic elements. You determine how rules are defined based on your actions and sequence when creating and editing geometry. Having a good understanding of what rules get created and when is essential when creating civil design models. During this session we will discuss when rules are created, best practices for creating geometry (and rules) for different situations, and how and when it is appropriate to drop rules.	Ronald Zeike Reality Modeling What is and why should you use Reality Models? What does it mean to you? Reality modeling is the alignment of existing conditions, represented as reality mesh models combined with your design and construction modeling. Have you ever dealt with inaccurate existing conditions data? Your existing raster and point clouds are snapshots in time and creating 3D models from them can require some guesswork. While a point cloud has discrete points, reality models contain mesh and imagery. See how we work with these reality models directly or as reference files in the MicroStation CONNECT Edition.	Graham Hirst/Hans Koorneef Deliverables Management Join us for an introductory session on Deliverables Management. This session will provide step-by-step instructions in the management of Transmittals, Submittals and RFIs.	Ole Magne Kvindesland, NOIS MineCycle MH MineCycle Material Handling is a purpose built planning application, that creates Multi Disciplined parametric models with intellectual content within material handling concept designs while providing sufficient options to determine the best layout.
16:20	Brenden Roche	Rob Nice	Dan Ahern	Ian Rosam	Ronald Zeike	Hans Koorneef/Graham Hirst	Quentin Levey
17:10	Mingel (Hämta dryck och tilltugg)						
17:30	Conference in Review	Conference in Review	Conference in Review	Conference in Review	Conference in Review	Conference in Review	Conference in Review
18:30	Mingel						
19:00	Middag						

Fredag 11 november Dag 2(2)							
Rum	Courtyard 2&3	Courtyard 6&7	Kungsholmen 1	Kungsholmen 2	Lindholmen	Courtyard 8&9	Courtyard 5
Spår	Bygg	Civil Workshop	Civil	Rail	ProjectWise	Workshop - MicroStation	Geospatial/Mining
08:00	Kaffe och smörgås						
09:00 09:50	What's is AECOSim Building Designer? AECOSim Building Designer is a multidisciplinary Building Design tool; come learn how to manage projects of all sizes and scopes.	Accelerating Roadway Conceptual Designs and Alternatives with OpenRoads ConceptStation In this workshop you will use OpenRoads ConceptStation to create a new project, import data from multiple sources, create and edit roads and bridges, place city furniture, and visualize the project. OpenRoads ConceptStation is all about speed and ease of use. It allows to easily prototype design alternatives, allowing to conceptualize an idea in the morning and present to your stakeholders in the afternoon. It helps creating initial feasibility studies for multiple scenarios in less time.	Ditch Modeling Learn multiple techniques to model ditches. Examples include using independent ditch profiles, independent horizontal geometry and profiles, concrete paving, and more.	Promis.e for Rail Signaling Promis.e for Rail Signaling is a solution for information modeling of the rail corridor as well as associated schematic wirings and panel layouts. It's suitable for electrical, signaling, telecom and trenching disciplines. We'll demonstrate how to build a project from scratch, utilizing the track alignment and overhead line design. The project will be further enriched with 3D models from electrical rail disciplines, incl. trenches, cables and how to associate wiring circuits to the 3D instance of the component. Moreover, we'll demonstrate how to utilize reality captured data in a Promis.e for Rail Signaling project.	ProjectWise Product Portfolio and Road Map ProjectWise V8i and CONNECT Edition has many capabilities and services. In this session, you will here about significant ProjectWise advancements. The presenter will also provide an overview our complete product portfolio and what you can expect in future releases.	Quickstart for MicroStation Connect This session will discuss the MicroStation CONNECT Edition feature updates including the introduction of a ribbon-style graphical user interface (GUI), a relocation of the workspace settings, a new Backstage, updated tools and dialogs, Property Driven Annotation, a new Explorer replacing Project Explorer, Named Boundaries, Sheet Index, Item Types, Tables and more. Learn to master these new and exciting features found in the MicroStation CONNECT Edition.	Öppna data i alla dimensioner Lantmäteriet berättar om status för öppna data, berättar om nya och planerade tjänster och vilka 3D-data som finns och kommer att finnas tillgängliga.
10:00 10:50	Brenden Roche Presentation om hur AECOSim Building Designer använts vid projekteringen utav Södersjukhusets nya behandlingsbyggnad och nya försörjningskvarter. BTB berättar bl.a. om arbetsflöde samt hur Chaos Desktop använts. Om det blir några minuter över tittar vi även på ABD Connect Edition som nu släppts som Technological Preview. Visas av J. Manfiel&A-B Krakenberger, Sverige	...continued	Ernst Van Baar Modeling Existing and Proposed Underground Utilities Learn how to create models of existing underground utilities from a variety of sources with an emphasis on 3D modeling. We will also explore geometric design and modeling of proposed underground utilities for relocation and extension and learn to manage conflicts using the Utility Conflict Detection and other tools.	Håkan Norling Modeling Tips and Tricks Join Bentley experts as they share tips and tricks for modeling elements and complex areas to create a complete model.	Stefan Sigvardsson ProjectWise for the Civil User Are you a civil user in a ProjectWise world? Are you doing civil work and require collaborative workflows? Then this is the session you don't want to miss. Learn how to best take advantage of ProjectWise Design Integration when working with design specific applications.	Alicia Rodriguez ...continued	Johanna Fröjdenlund, Lantmäteriet Reality Modeling for Plant Design See how effectively Bentley Descartes supports the hybrid scenario for using Pointools and Context Capture models in project requiring partial replacement or modification.
11:00 11:50	Anton Schöllin, BTB Use Reality Models in Your Project Learn how to incorporate reality context data into your Design Workflow.	Dan Ahern Building a Project from Scratch with Promis.e for Rail Signaling This hands-on training teaches how to create a Promis.e for Rail Signaling project from scratch and place 3D models in the rail corridor. You will learn how to work with Promis.e for Rail Signaling building a project and placing 3D models of components, trenches and cables. Created data will be extracted from the project database and saved into a report.	Ernst Van Baar Working Effectively in the OpenRoads Modeling Environment The OpenRoads modeling environment takes full advantage of the MicroStation platform's extensive modeling environment. Understanding how to work in multiple models, when to use a 2D model and when to use a 3D model, and how to manage references between models is necessary when working in OpenRoads. .	Ian Rosam OpenRail SELECTseries 4 - Managing Geometry and Corridor Modeling Let's take a look at the new Bentley Rail Track SELECTseries 4 which now includes the OpenRoads technology. This version of software allows rail designer to enjoys the benefits of the rich 3D modeling environment, design intent, and dynamic updating. We will discuss migrating rail projects to the new workflow and best practices for managing rail geometry including spirals and cant.	Ernst van Baar/Hans Koorneef Cloud Hosting Cloud Technology is the way of the future in technology. Is my data secure? How does all this work? Please join this session, for an overview of Bentley's Cloud Infrastructure supporting your digital project needs.	Alicia Rodriguez MicroStation Visualization - LumenRT Learn hands on how to create images, videos and real-time presentations of architecture, landscape, urban and infrastructure designs with LumenRT. LumenRt is the application to quickly bringing your scenes to life using tools you know.	Magnus Cullberg Project Review - On Desktop and on Mobile This session focuses on learning how the new Navigator CONNECT visualizations can be used for design reviews.
12:00	Brenden Roche	Håkan Norling	Ian Rosam	Rob Nice Lunch	Graham Hirst	Ronald Zeike	Magnus Cullberg
13:00 13:50	Fill Your Project with Life Quickly bring your models to life using LumenRT, a really easy-to-use software.	...continued	Pond Modeling Learn techniques to model both simple and complex ponds with deep areas and calculate the storage volume of the ponds.	Early Access / Futures - Accelerating Rail Conceptual Designs and Alternatives with OpenRail ConceptStation This presentation will introduce capability to be offered by OpenRail ConceptStation in the creation of rail projects, including importing data from multiple sources, creating and editing rails, roads and bridges, placement of OLE equipment, visualizing the project and deriving outline costs. OpenRail ConceptStation is all about speed and ease of use. It allows to easily prototype design alternatives, allowing to conceptualize an idea in the morning and present to your stakeholders in the afternoon. It helps creating initial feasibility studies for multiple scenarios in less time.	Application Association Best Practices Join Graham as he provides an overview of ProjectWise administration and best practices for application association for any user.	...continued	Maining and Plant Q&A session CONNECT with the Bentley specialists to get answers to the questions arisen after presentations of the Plant and Mining solutions.
14:00 14:50	Brenden Roche ProConcrete Model reinforced concrete objects of any shape, and then create drawings, schedules, and reports directly from your models.	Håkan Norling QuickStart - Evaluating and Creating Subsurface Utilities In this workshop you will learn to evaluate drainage structures multiple ways including Element Information and Properties tools, analytic views like labels and color-coding, FlexTables, and queries to filter specific criteria. You will also learn to detect hard and soft utility conflicts and finally you will place inlets and pipes.	Dan Ahern Putting the Pieces Together: Creating Composite Models in OpenRoads You have completed a complex model that contains multiple corridors, linear templates, surface templates, and 3D geometry. Your model includes all of the proper pavement layers and sub surfaces but what do you do next? Join us for a discussion of how to use this model and how to create a terrain model that includes all of the parts of the model.	Ian Rosam Making Custom Line Styles Part of the Modeling Workflow Custom lines styles are not just for 2D drafting. Moving beyond dash-dot patterns custom lines styles can be a quick and powerful tool in your 3D modeling workflow. During this session you will learn how to create your own custom 3D line styles and use them in an OpenRoads model.	Graham Hirst Information Mobility with ProjectWise Go Digital and Go Mobile! Join us for this session as we provide an overview of Bentley mobile applications and new ProjectWise Edge app. This session will highlight the breadth of our role-based applications for optimal use, demonstrate new capabilities and discuss best practices for implementation.	Ronald Zeike Working with CONNECTED Projects and Users In this course, you will learn how to sign into the CONNECTION Client, create a workset and associate it to the CONNECTED project, publish the i-model to a personal portal, and see how other team members receive the PDF of the i-model.	Quentin Levey / Magnus Cullberg / Inge Olerud Hur Bentley gINT Civil Tools används i projekt för att redovisa borrhålsdata. Presentation av hur Bentley gINT Civil Tools används av Sweco för att redovisa data från geotekniska undersökningar och då specifikt från kärnborrhål i berg och hur dessa kan presenteras i 3D med tillhörande data. Stöd för krökta borrhål har utvecklats i senaste version av programmet.
15:00	Magnus Cullberg	Ernst Van Baar	Ian Rosam	Dan Ahern Kaffe och kaka	Hans Koorneef	Ronald Zeike	Shivani Bhasker, Sweco
15:20 16:10	Use Your Analytical Space Model to Simulate Various Scenarios Don't do it twice! Send the AECOSim Building Designer models to AECOSim Energy Simulator for Building Simulation and Analysis using CIBSE and ASHRAE standards	...continued	Creating Civil Cells This presentation/workshop teaches you how to create civil cells. It will offer examples of civil cell creation while focusing on the tools and methods to impart rules and relationships to the civil cell elements.	Metro Extension in Stockholm Presentation av projektet nominerat till final vid Bentley Be inspired Awards, London 2016. Projektet omfattar 11 km ny spår- och bergtunnel och sju nya stationer i förlängningen av tunnelbanan till Nacka och Söderort. Presentationen innehåller hur Sweco/Typsa har arbetat med ProjectWise och integrerad projektering samt tillämpningen av Reality Modelling och automatiska processer.	Ask the Experts Bentley colleagues and technical experts will respond to your live questions from detailed technical questions to best practices and optimization.	...continued	
	Brenden Roche	Ernst Van Baar	Ian Rosam	Daniel Ahnsjö, Sweco New York	Bentley Colleagues	Ronald Zeike	
Lokal							
16:10 16:30	Avslutning / Closure						