

Torsdag 7 november Dag 1(2)

Lokal		New York							
08:30	Kaffe och registrering / Coffee and registration								
09:30	Välkomna/Welcome							Thomas Vincent	
09:35	Utställarpresentation							ATS, TerraSolids	
09:45	Corporate update and future directions for Bentley Systems – globally and in Sweden							Mattias Hemmingsson Bentley Systems Sweden	
10:30	Platform Keynote							Chris Bober Bentley Systems	
11:30	BUS - Årsmöte							BUS Styrelse	
11:50	Lunch								
Lokal	Sydney	Atlanta	Milano	New York	Washington	London	Paris	Stockholm	
Spår	Bygg	Civil Workshop	Civil	Rail	Plattform	Geospatial	Plant/Mining	Workshop	
13:00 13:50	<b>B1 - Building Keynote</b>	<b>CW1 - OpenRoads Technology Workshop: Corridor Modeling</b>	<b>C1 - Bentley Civil Keynote (Lokal New York)</b> An overview of new features in Bentley civil V8i (SELECTseries 3) products and their benefits. This session discusses key forthcoming releases and new features in Bentley's road, site, water, transportation operations, bridge, and geotechnical applications.			<b>G1 - Bentley Map - what new and whats coming up</b> What's new in the recently released Bentley Map V8i (SELECTseries 3 MR) version, and see a preview of the new capabilities available in the upcoming Bentley Map V8i (SELECTseries 4) release. See the new Bentley Map Mobile for iPad and Android and how designfile are transfer to these tablets.	<b>M1 - Bentley Plant status and future strategy</b> Current status of Bentley Plant products and an updated overview on Bentley's plant strategy. You will see how information mobility is being built into Bentley's technology across the plant lifecycle.	<b>W1 - Generative Components</b> Working in Bentley's GenerativeComponents architects and engineers are empowered to explore a broad range of "what-if" alternatives, quickly and easily, and spend no time working on edits, deletions and re-modeling changes that will slow down the design cycle. They are enabled to focus on defining and capturing the concept of the design. Once the concept is defined, with its internal behavior and its external appearance, you may explore, understand, evaluate, adjust and scale your design in minutes rather than hours or days. This directs creativity to deliver just the right building, optimized on sustainability, appearance, and cost. This will be a fast-paced and informative workshop, geared for all Architects, Designers, Structural Engineers, Fabricators and Design Students and will focus on understanding Generative Design. This workshop will take you through a simple mass modeling exercise as an introduction to GC. Even a very basic mass model can benefit from parametrics, associations and constraints. By the end of the workshop, attendees will have a script that can be used as the basis for many other massing concepts. While this script works with a rectangular building, insertion of other geometry into the script creates a multitude of different designs.	
	Alan Lamont, Bentley	Joe Waxmonsky (+Robert Nice, Maria Persson), Bentley	Ian Rosam, Bentley			Benoit Fredericque, Bentley	Rainer Engels and Inge Olerud, Bentley	Volker Müller, Bentley	
14:00 14:50	<b>B2 - The Anatomy of a Dataset</b> An introduction to the components and possibilities	<b>CW1 - Continued</b>	<b>C2 - Transitioning to OpenRoads Technology (Lokal New York)</b> This presentation provides instructions for transitioning standards and workflows and developing your implementation plans. Learn how to utilize the exciting the new tools in SELECTseries 3 of the civil products.		<b>P2 - Customizing the Task-Based Interface in MicroStation V8i</b>	<b>G2 - Bentley Pointools V8i</b> Learn how Bentley Pointools can be used to pre-process point cloud data and create deliverable such as Ortho images, animations. New clash detection and point cloud differencing capabilities can be used to automatically analyse point clouds.	<b>M2 - Intelligent Mining</b> Getting More from Existing Assets with an Asset Performance Management Strategy. Operational and maintenance excellence in mining requires a risk-based approach to managing critical assets and engineered systems. Hear the latest on implementing an effective and sustainable asset performance	<b>W1 continued</b>	
	Volker Thein, Bentley	Joe Waxmonsky (+Robert Nice, Maria Persson), Bentley	Ian Rosam, Bentley		Tine Lai Andersen, Bentley	Dan Cutler, Bentley	Samantha Parsons, Bentley	Volker Müller, Bentley	
15:00	Kaffe och kaka / Coffe and Cake								
15:20 16:10	<b>B3 - Analytical Cloud Services for Design Optimization</b> Imagine having the power to analyze an enormous number of possible design options for a project so that you can select a handful of the best performing ones based on one or more criteria. This is exactly what you can do with Bentley software thanks to GenerativeComponents' computational design methods and the massive parallelization made possible by Bentley's cloud services. In this session you will learn how	<b>CW2 - OpenRoads Technology Workshop: Integrated Road and Site Modeling</b>	<b>C3 - Managing the Ever-growing Terrain Model</b> The new terrain modeling tools simplify terrain modeling and offer enhanced data capturing and precision but the methods for managing are different with the terrain now a part of the DGN. In this session users will learn to manage and distribute digital terrain models across the projects or enterprise.	<b>R3 Bentley Rail product update</b> Presentation of BRT Roadmap and current developments	<b>P3 - ProjectWise</b> Why is ProjectWise first choice in engineering information management in projects? This session will give you an overview and insight to the ProjectWise solution.	<b>G3 - Öppna geodata i Stockholms stad</b> Vi får hör vilka öppna geodata som Stockholms stad gjort tillgängliga och exempel på hur de används i praktiken.	<b>M3 - Open Minds think OpenPlant</b> OpenPlant is our latest Plant Design tool family, fully based on ISO15926. Explore how modern tools for 2D and 3D plant design works. Bentley OpenPlant is the accurate, rapid, design engineering solution for plant design.	<b>W2 - Workshop Point-cloud Data Enrichment and Real-time Clash Detection in Bentley Pointools</b> Learn how to Import Point Cloud data, perform some data clean-up, create an animation as well as perform clash detection analysis.	
	Volker Müller Bentley	Robert Nice, Maria Persson, Bentley	Ian Rosam, Bentley	Joe Waxmonsky, Bentley	Hans Koorneef, Bentley	Kave Silverklopp, Norconsult Astando	Magnus Cullberg, Bentley	Benoit Fredericque and Dan Cutler, Bentley	
16:20 17:10	<b>B4 Best Practise</b> Exempel på projektpassning för rationell projektering	<b>CW2 - Continued</b>	<b>C4 - OpenRoads - Best Practices</b> This presentation teaches many of the best practices discovered by the Bentley team during the Open Roads development and beta program.	<b>R4 Integrating Bentley Rail Track SELECT Series 2 with Openroads technology based products</b> A look at integrated workflows between the old and new technologies and the modeling benefits offered	<b>P4 - Bentley Dynamic Rights Management Service</b> Bentley Dynamic Rights Management Service is an online service that dynamically protects and secure digital project information like Adobe PDF, Microsoft Word, Excel or PowerPoint files stored in a Bentley content management application. It gives you the ability to secure sensitive data, ensure recipients of distributed information only to use the most current version of documents that are shared		<b>M4 - Large Object Scanning</b>	<b>W2 - Continued</b>	
	Fredrik Axelson Sweco Josefin Nilsson Sweco	Robert Nice, Maria Persson, Bentley	Ian Rosam, Bentley	Joe Waxmonsky, Bentley	Hans Koorneef, Bentley		Rolf Berlin, ATS	Benoit Fredericque and Dan Cutler, Bentley	
18:30	Middag / Dinner								

Fredag 8 november Dag 2(2)

Lokal	Sydney	Atlanta	Milano	New York	Washington	London	Paris	Stockholm
Spår	Bygg	Civil Workshop	Civil	Rail	Plattform	Geospatial	Plant/Mining	Workshop
08:00								
09:00	<b>B5 - ISM What is it and what can be done with it in the structural design process</b>	<b>CW3 - OpenRoads Technology Workshop: Using Civil Cells</b>	<b>C5 - Road and Site Are Now One!</b> This session will review how Corridors and site modeling have been designed separately for years. Now with the OpenRoads technology, corridor and site modeling are now one, learn how they can work together in a completely integrated civil model.	<b>R5 - Modell för samordning och byggande i Mälardalen</b> Under föreläsningen kommer du att få inblick i hur en modern järnvägsanläggning tas fram med de senaste IT-verktygen inom området och hur modellen kan användas under projekttiden.	<b>P5 - The Road Map for the future in printing and digital documents.</b> This presentation will give you an overview of the Plotting Road Map that Bentley make plans for in order to strengthen the plotting products for the future and bring it into a well-balanced suite of products that will match the requirements that leading companies will demand in a few years from now. How will we do the plotting from MicroStation? Is it a paper drawing? A 2D/3D intelligent PDF file or is it a cloud drawing?	<b>G5 - What's New in Bentley Descartes SS4 for Point Clouds and what is coming up in SS5</b> Learn how the new capabilities in the recently released Bentley Descartes V8i (SELECTseries 4) enhance both point-cloud display and feature extraction. New features, such as the clip and section manager, and the particularly innovative linear feature extraction tools, are demonstrated. Participants also learn how these new features streamline the feature extraction processes.	<b>M5 - Projektering av bergtunnlar i PowerCivil inom projekt Förfart Stockholm, ÅF-URS</b>	<b>W3 - What's new in AECosim Building Designer</b>
09:50	Michal Lipinski, Bentley	Ian Rosam, Joe Waxmonsky, Bentley	Robert Nice, Bentley	Anders Gundhe, SWECO/Vectura	Hans Koorneef, Bentley	Benoit Fredericque, Bentley	Lars-Erik Svensson, ÅF Björn Eriksson, ÅF Robert Edinger, ÅF	Jonas Wahlberg, Bentley
10:00	<b>B6 - Structural design in AECosim Building Designer</b>	<b>CW3 - Continued</b>	<b>C6 - From Civil Model to Cross Section Sheets</b> The new OpenRoads technology utilizes the MicroStation 3D model to create cross section sheets. Learn how sheets are annotated and earthwork volumes are calculated.	<b>R6 - Power Rail Overhead Line</b> PROL är den nya generationen projekteringsverktyg för kontaktledning. Projektningen sker i 3D och den baseras på svensk standard.	<b>P6 - Bentley Transmittals</b> Bentley Transmittal Services provides a secure process tightly integrated with ProjectWise V8i (SELECTseries 4). This enables users to manage and lower the risk around contractual, legal, and financial compliance, while they track the entire lifecycle of the process. The software ensures trusted transmittal information, speeds the transmittal process, and makes it easy to identify and resolve urgent issues. What can you do with the data?	<b>G6 - 3D GIS och laserdata i samhällsplaneringen - enklare än du tror</b> Underlag för detalplaner blir mer än grundkarta med 3D GIS och laserdata. Spara tid och pengar genom att utnyttja dina laserdata i samhällsplaneringen.	<b>M6 - Conceptual and structural design tools for the Plant Industry</b> Bentley's PlantWise is the 3D FEED software product to achieve better front-end engineering and help minimize capital expenditure. ProStructures easily allows structural engineers, detailers and fabricators to create 3D models for both concrete and steel.	<b>W3 - cont</b>
10:50	Michal Lipinski, Bentley	Ian Rosam, Robert Nice, Bentley	Joe Waxmonsky, Bentley	Håkan Norling, Bentley	Hans Koorneef, Bentley	Tom Lilhannus, Nynäshamn kommun	Magnus Cullberg, Bentley	Jonas Wahlberg, Bentley
11:00	<b>B7 - Going beyond 3D Coordination. Leveraging Design Data in Your Design Review Workflow</b>	<b>CW4 - OpenRoads Technology Workshop: From Civil Model to Cross Section Sheets</b>	<b>C7 - Samgranskning Förfart Stockholm</b>	<b>R9 - Bentley Rail Electric</b> Bentley Rail Electric är ett nytt verktyg för informationsmodellering av järnvägsanläggningen. Vi kommer att visa hur man utgår från spår och kontaktledning bygger vidare med 3D-objekt för övriga järnvägstekniska discipliner.	<b>P7 - Mobile Apps for Building Design, Construction and Operations</b> Kom och se nyheterna i Bentleys mobila apps - Field Supervisor, Navigator Mobile och Navigator Pano Review	<b>G7 - Airborne and Mobile LIDAR in Design</b>	<b>M7 - OpenPlant at Outotec</b> Outotec has used PlantSpace for many year in Finland and Sweden, and have been testing Bentley OpenPlant for a while, and are now in limited production on this new product.	<b>W4 - Workshop</b> <b>Point Cloud Processing in Descartes (SS4 maybe SS5).</b> <b>How to extract vector features</b> Template based linear feature.Semi-automatic line extraction. Enhanced fit cylinder functionality.Point Cloud Line Draping. Point Cloud Geometry Extraction Point Cloud Visual Explorer.
11:50	Jonas Wahlberg, Bentley	Joe Waxmonsky (+Robert/Ian), Bentley	Roman Hassas, Santhosh Tirunagaru, Grantmil	Håkan Norling, Bentley	Maria Persson, Bentley	Hannu Korpela, TerraSolids		Benoit Fredericque, Bentley
12:00								
13:00	<b>B8 - ABD Ss4 - New IFC Features and Enhancements</b>	<b>CW4 - Continued</b>	<b>C8 - Eliminate Redundant Modeling With Civil Cells!</b> Many engineering workflows include redundant and tedious modeling tasks with similar, but slightly varying parameters. Learn to model intersections, traffic islands and a host of other standards with parametric settings by simply placing a "cell." This presentation teaches the concept of "civil parametric cells," and the possibilities are only limited by your imagination.	<b>R8 - BIM i Projekt Hallandsås</b> Bygget av en järnvägstunnel genom Hallandsås har en lång historia och målet är att trafiken ska gå 2015. Parallellt med tunnelbygget har projektningen pågått avseende de järnvägstekniska installationerna samt de yttre arbetena. Sweco utgör Trafikverkets stödfunktion BIM i projektet och jobbar med allt från BIM-strategi till operativ BIM-samordning. Den framgångsrika BIM-implementeringen, baserad på flera av Bentleys program, har resulterat i innovativa metoder, återanvändbara lösningar samt möjligheter till produktionseffektiviseringar.  När den internationella innovationstävlingen Be Inspired Awards avgjordes i november 2012, vann Projekt Hallandsås i kategorin "Innovation in Rail and Transit". Av totalt 65 finalister i 27 kategorier var Sweco och Trafikverket de enda som representerade Sverige och som också blev utvalda till final.	<b>Terrängmodellering i MicroStation</b> Man behöver inte specialprogram för att importera, visualisera och arbeta med terrängmodeller. Den här presentation visar på olika arbetsflöden för att importera, skapa och visualisera terrängmodeller direkt i MicroStation SS3. Vi tittar bl.a. på Element Templates, Meshes och skapar marktyr från punktmoln.	<b>G8 - ProjectWise Geospatial/Geo Web Publisher</b> Adding location metadata enables flexible usage of data stored in ProjectWise. In a typical project there is a need of serve different parties in many ways. Integrating Bentley ProjectWise with Geo Web Publisher using database's spatial capabilities and Web Services provides a flexible environment to serve the data need within the project as well as citizen's interest. The concept is presented using a customer case from City of Helsinki.	<b>M8 - Structural product portfolio review highlighting design and analysis within the Integrated Project Lifecycle</b> Bentley's portfolio of structural products is constantly expanding to fulfil the design and analysis needs of the design industry. Their tight interoperability and change management underpins the philosophy for an Integrated Project Lifecycle, improving efficiency, accuracy and consistency across a project. This session will review key features of Bentley's integrated suite of structural products for pipe stress, structural and offshore design and analysis. You will also see the Bentley's latest addition to the structural product portfolio catering for vessel and heat exchanger design and learn about the plans to incorporate this into the Integrated Project Lifecycle. Products that will be presented are STAAD, SACS, AutoPIPE, Microprotol.	<b>W4 cont. -</b>
13:50	Volker Thein Bentley	Joe Waxmonsky (+Robert/Maria), Bentley	Ian Rosam, Bentley	Daniel Ahnisi, SWECO	Kristen Surell, Surell Consulting	Kimmo Soukki, Bentley	Phil Senior, Bentley	
14:00	<b>B9 - Visualisering</b>	<b>CW5 - OpenRoads Technology Workshop: Moving to SELECTseries 3 for InRoads Users</b>	<b>C9 - BIM implementation on Stockholm Bypass Project Using PowerCivil. Trafikplats Akalla och Häggvik, ÅF-URS.</b>	<b>R7 - Trafikverkets projektdatabas</b> Trafikverkets nya projektdatabas i Project Wise skapar en gemensam arbetsyta för alla aktörer i väg- och järnvägsprojekt.	<b>P9 - Project Explorer</b> Efficiently Managing Project Information with MicroStation. For experienced MicroStation users, this session will help you understand how to browse file content and index your DGNs for quick discovery of data and related information using Project Explorer	<b>G9 - Straight to the Point Clouds: Efficient Workflows for Big Data Sets</b>	<b>M9 - Introduction to Bentley's Electrical Products</b> An overview of Bentley's Electrical products Promis.e, Bentley Substation and Bentley Raceway & Cable Management. These products can help to save up to 50% in your design time and how they share data to create single line diagrams, cable diagrams, electrical schematics and model your raceways and cable trays in 3D and then automatically route your cables.	<b>W5 - Tips &amp; Tricks</b>
14:50	Oskar Scheiwiler Scheiwiler Svensson Ark	Joe Waxmonsky (+Ian/Maria), Bentley	Mateusz Nettmann, URS	Leif Malm, SWECO/Vectura	Chris Bober/Jonas Wahlberg, Bentley	Benoit Fredericque/Dan Cutler, Bentley	Rick Black, Bentley	Tine Lai Andersen, Bentley
15:00								
15:20	<b>B10 - BIM.next</b> After an introduction by Bentley we have the opportunity to discuss what users in practice envision for the next level of BIM	<b>CW5 - Continued</b>	<b>C10 - Projektering av bergtunnlar i PowerCivil inom projekt Förfart Stockholm, ÅF-URS</b>	<b>C11 - OpenRoads - Some assembly required!</b> This presentation instructs attendees on how to get started quickly using the workspaces provided in the SELECTseries 3 products. For all Bentley civil users.	<b>P10 - Dynamic Views, Hyper Models, Element Templates</b> Learn how hypermodeling presents all project information directly within the context of a 3D model, using Callouts, linkages and Item Sets.	<b>G10 - Publishing Bentley Map Models on Android Tablets Using the New Bentley Map Mobile iWare App</b>	<b>M10 - Bentley Construction Solution</b> The session will cover: Construction document management and control. 4D construction modelling and reporting tools. Complete work package lifecycle management and more. Customizable reports and dashboards. New CAD Adapters including SP3D. Status	<b>W5 cont. -</b>
16:10	Volker Müller, Bentley	Joe Waxmonsky (+Ian/Maria), Bentley	Lars-Erik Svensson, ÅF Björn Eriksson, ÅF Robert Edinger, ÅF	Rob Nice, Bentley	Chris Bober/Jonas Wahlberg, Bentley	Benoit Fredericque, Bentley	Inge Olerud, Bentley	Tine Lai Andersen, Bentley
<b>Lokal</b>	<b>New York</b>							
16:10	<b>Avslutning / Closure</b>							
16:30								