

## Autodesk University 2009 Plant Industry Events

Monday, November 30	Event
7:00 p.m.–9:00 p.m.	<b>AEC Mixer</b>
Tuesday, December 1	Event
8:30 a.m.–10:00 a.m.	<b>AEC Lounge Demonstrations - Level 2, Mandalay Bay Hotel</b> Plant Team Demo'ing Plant products: AutoCAD P&ID, AutoCAD Plant 3D, Autodesk Navisworks
11:30 a.m. - 1:00 p.m.	<b>AEC Lounge Demonstrations - Level 2, Mandalay Bay Hotel</b> Plant Team Demo'ing Plant products: AutoCAD P&ID, AutoCAD Plant 3D, Autodesk Navisworks
1:00 p.m.–2:30 p.m.	<b>Plant Class - PD114 - Introduction to AutoCAD P&amp;ID - Instructor: Ursula Sadiq</b> This class will provide an introduction to AutoCAD P&ID 2010. The class will focus on how this software can improve your productivity when creating and editing drawings in a P&ID project. Covered topics include graphical drawing creation and working with the accompanying data. The newest features in the 2010 release will also be highlighted. <u>Key Learnings:</u> <ul style="list-style-type: none"> <li>• Drawing intelligent equipment, pipelines, instruments and in-line components</li> <li>• Tagging and Annotating</li> <li>• Working with Drawing and Project data</li> <li>• Validating drawing contents</li> <li>• Publishing drawings and data</li> </ul>
3:00 p.m.–4:30 p.m.	<b>Plant Class - PD118 - Intro to Plant 3D - Process Piping, Structural, &amp; Equipment - Instructor: Dave Mendez</b> Learn how to create 3D models including structural and process piping components as well as creating custom process equipment utilizing ACAD Plant 3D. Quickly create high quality process models more accurately and efficiently during process facility and industrial plant projects. This will be Instructor lead training on how to utilize ACAD Plant 3D to generate 3D models while working on a facility and/or plant engineering project. This class will benefit Process engineering professionals and CAD designer, as well as the one-man shops. Attendees should have basic 3D modeling knowledge.
7:00 p.m. - 10:00 p.m.	<b>Exhibit Hall - International Community Reception - Autodesk Pavilion / Booth #641</b> Plant Team Demo'ing Plant products: AutoCAD P&ID, AutoCAD Plant 3D, Autodesk Navisworks
Wednesday, December 2	Event
8:00 a.m.–9:30 a.m.	<b>Plant Class - PD204 - Managing the Change in P&amp;IDs - Siva Thankappan</b> Design drawings undergo constant changes and Process and Instrumentation Diagrams are no exception. Engineers and designers often struggle to find the right version of the drawings and to understand what changed between versions. In this session, we will explore the possibilities of managing the versions and revisions of P&IDs using Autodesk Vault and Design Review. <u>Key Learnings:</u> <ul style="list-style-type: none"> <li>• Configure Vault for multi-user P&amp;ID projects working out of network share</li> <li>• Use Vault check in and check out for P&amp;ID projects and drawings</li> <li>• Manage project and drawing versions and revisions in Vault</li> <li>• Use Design Review to mark up and review P&amp;IDs and compare versions</li> <li>• Use Vault to manage the mark-ups and track the entire history of changes</li> </ul>
10:00 a.m.–11:30 a.m.	<b>Industry Keynote: Architectural, Engineering, and Construction</b> <i>What if...</i> What a great theme for AU this year! The architecture, engineering, and construction (AEC) industry is faced with numerous what-if questions: What if 3D design tools were available to everyone? What if you could accelerate permitting of new utility projects? What if you could plan, design, and construct major transportation projects before any dirt is moved? What if all new and existing buildings had to be carbon efficient? What if sustainable design becomes a global mandate? What if you could improve the life of a building? What if BIM was mandated onevery project you do?  The Architecture, Engineering, and Construction Keynote will address two or three of the most compelling what-if questions facing this industry today. These questions will be addressed using customer experiences, industry experts, and product demonstrations to share best practices for the challenges facing you and your business. Please join us on Wednesday morning for a keynote session that promises to be both educational and entertaining.

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10:00 a.m.–11:30 a.m.	<p><b>Plant Class - PD208 - AutoCAD P&amp;ID Customization: Everything from Tags &amp; Annotations to Symbols - Instructor: Mangesh Kalbhor</b></p> <p>In this class, we will discuss all the key concepts of tags, annotations and symbols, with special emphasis on customization to meet the needs of end users. Learn how to customize AutoCAD P&amp;ID to create and use custom symbols, and define and utilize custom tag formats that inherit properties from different sources. Learn about property acquisition to propagate property values from one component to another and define new rules for acquisition. Learn about the Join Type functionality and how to set it for different symbols, including inline Equipment behavior to achieve desired workflow. At the end of the course, the audience should feel confident about customizing P&amp;ID for their own usage.</p> <p><u>Key Learnings:</u></p> <ul style="list-style-type: none"> <li>• Tagging vs. Annotating: key concepts</li> <li>• Creating custom Tag formats: property sources and expressions</li> <li>• Creating custom Annotation styles: Block definitions and evaluating Strings</li> <li>• Creating custom symbols and setting Join Type</li> <li>• Defining acquisition rules for property propagation</li> </ul>
1:00 p.m.–2:30 p.m.	<p><b>Plant Class - PD214 - Executing a first project in AutoCAD Plant 3D - Instructor: Peter Quinn</b></p> <p>AutoCAD Plant 3D is a new application. Learn how to create pipe specs, set up your isometrics, data extracts, orthos, and other tasks needed to get started on a project. Also, the class will cover how to set up directories and manage xrefs for your project.</p> <p><u>Key Learnings:</u></p> <ul style="list-style-type: none"> <li>• How to prepare for a first project using AutoCAD Plant 3D</li> <li>• Create AutoCAD Plant 3D Piping Specs</li> </ul>
2:30 p.m. - 4:30 p.m.	<p><b>AEC Lounge Demonstrations - Level 2, Mandalay Bay Hotel</b></p> <p>Plant Team Demo'ing Plant products: AutoCAD P&amp;ID, AutoCAD Plant 3D, Autodesk Navisworks</p>

Wednesday, December 2	Event
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5:00 p.m.–6:30 p.m.	<p><b>Plant Class - PD222 - Successful Projects using AutoCAD P&amp;ID - Instructor: Greg Hoover</b></p> <p>Learn how to use AutoCAD P&amp;ID to develop successful projects. Your ability to properly setup and implement a P&amp;ID project directly relates to the overall success of the project. P&amp;ID projects require your ability to be flexible and adjust quickly to changes. The lab begins with setting up a project, moves through customization, and finishes with project collaboration.</p> <p><u>Key Learnings:</u></p> <ul style="list-style-type: none"> <li>• Describe best practices for using AutoCAD P&amp;ID</li> <li>• Identify features for setting up a P&amp;ID project</li> <li>• List requirements for creating custom symbols</li> <li>• List requirements for creating custom tool palettes</li> <li>• Describe methods of collaborating using AutoCAD P&amp;ID</li> </ul>
7:00 p.m. - 10:00 p.m.	<p><b>Exhibit Hall - AUGI Annual Beer Bust - Autodesk Pavilion / Booth #641</b></p> <p>Plant Team Demo'ing Plant products: AutoCAD P&amp;ID, AutoCAD Plant 3D, Autodesk Navisworks</p>

Thursday, December 3	Event
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10:00 a.m.–11:30 a.m.	<p><b>Breakout Session - AEC Plant Solutions - South Pacific F</b></p>
2:30 p.m. - 5:30 p.m.	<p><b>AEC Lounge Demonstrations - Level 2, Mandalay Bay Hotel</b></p> <p>Plant Team Demo'ing Plant products: AutoCAD P&amp;ID, AutoCAD Plant 3D, Autodesk Navisworks</p>