PI for Office 2010

Features

Create Instant Trending: Instant trending of PI System data from PI WebParts or any URL provider using query string parameters in a web page.

Dynamic Business Insights with the PI System and PowerPivot for Microsoft Excel 2010: Build self-service business intelligence solutions with PI System data and events by leveraging Microsoft Excel 2010 features such as PivotTables, PivotCharts, slicers and new Data Analysis Expressions (DAX) in familiar Microsoft Excel formula syntax.

Publish PI DataLink Reports to the Web: Use Microsoft Excel 2010 to create and publish reports with PI System data to SharePoint libraries and display them with Microsoft Excel Web Access and PI DataLink Server.

Use PI Tables: Display PI System data in one of three table options or incorporate relational and web service data that integrates with other PI System data displays in SharePoint pages.

Create and Publish Scorecards: Use the conditional formatting and sparkline features in Microsoft Excel 2010 to create scorecards of PI System data and publish them to the web.

Business Challenge

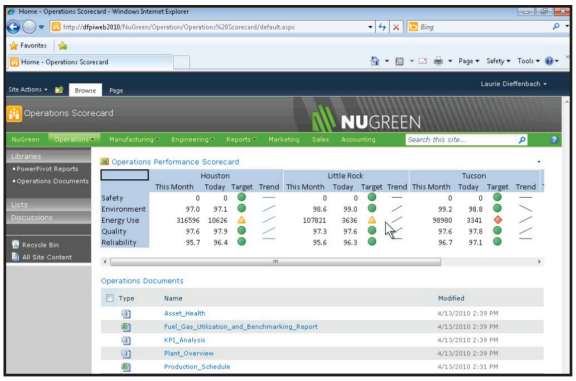
Information workers want to visualize and analyze PI System™ data using the familiar features available in Microsoft's Office® 2010 suite of applications, including SharePoint® 2010, Microsoft® Excel® 2010 and PowerPivot.

The power of PI System client applications and data access components combined with enabling Microsoft technologies provides powerful new ways for users to build sophisticated, actionable, displays of operational and business data.

Product Overview

PI for Office 2010™ is a package from OSIsoft that pairs with the Microsoft Office 2010 components. The OSIsoft package includes the software and licensing needed for one named user to take advantage of the offerings from Microsoft:

- **PI WebParts™** and **PI DataLink Server™** pair with Microsoft SharePoint 2010
- **PI OLEDB Enterprise™** pairs with Microsoft's PowerPivot for SharePoint by providing data access to the PI System for Business Intelligence solutions
- **PI OLEDB Enterprise** also pairs with Microsoft's PowerPivot for Microsoft Excel 2010
- **PI DataLink™** pairs with Microsoft Excel 2010
- The **PI System Access™ license (PSA)** supports PI System access for one named user for the PI OLEDB Enterprise data access component or any other PI Data Access™ component.



Microsoft SharePoint 2010 with PI WebParts and PI DataLink in the Microsoft Excel Web Access web part

Combining PI System components with Microsoft technologies provides visibility across the enterprise to important operational data. Information can be stored and managed in one place while being visible to all users who need it. These pages, easily assembled through configuration, provide meaningful functionality for even casual users.

To further extend the value of PI System data, customers can create data analysis cubes by combining PI OLEDB Enterprise data access with Microsoft's PowerPivot Business Intelligence tools. PowerPivot for Microsoft Excel 2010 and PowerPivot for SharePoint 2010 allow users to create aggregated reports and charts that can be filtered and sliced to allow deep analysis of the underlying data.

Technical Components

PI WebParts: Visualization of PI System data for one user on Microsoft SharePoint 2010 portal pages.

PI DataLink Server: Access to PI System data for one user in PI DataLink reports using the Microsoft Excel Web Access web part in SharePoint 2010.

PI DataLink: Report building tools for one user to create PI System data reports using Microsoft Excel 2010.

PI OLEDB Enterprise 2010: SQL query-based access to PI System data for Business Intelligence solutions from Microsoft such as PowerPivot and SQL Server 2008 R2 Analysis Services.

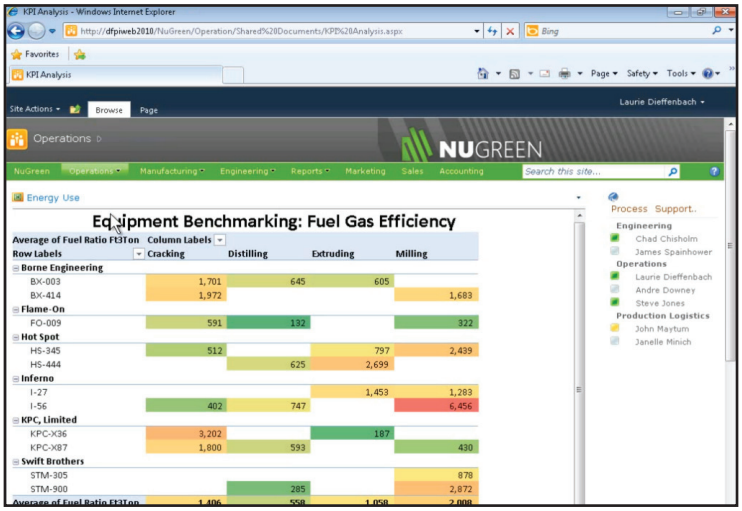
PI System Access (PSA) license: License for one named user to PI System data using any PI Data Access components and access to all PI Data Access components —standards-based tools and programmatic access.

Benefits of PI for Office 2010

PI for Office 2010 provides tangible benefits including:

- Quick visualization of operational data stored in the PI Server™ using process diagrams, trends, asset trees, gauges, tables and XY plots.
- Reports with PI System data that integrate with other web parts, including PI WebParts, on a SharePoint page using parameters exposed by the Microsoft Excel Web Access web part. PI DataLink with Microsoft Excel 2010 creates reports and scorecards using PI System data.
- Users can build their own Business Intelligence (BI) solutions, without IT assistance. Managed self-service BI enables users to securely share and collaborate on user-generated BI reports in the browser. They can create and publish predefined queries, reports and charts using PI System data and events.

PI for Office 2010 also enables PI System data to be used with Microsoft InfoPath®, Visio®, Visio Services, BCS, etc.



Microsoft SharePoint 2010 with PowerPivot for SharePoint showing PI System data and the PI Messenger web part providing interaction through Microsoft Communicator: on this SharePoint 2010 page. Users can filter and slice data by selecting the column or row values they want, or by selecting a slicer option (shown on left) within a web page. The resulting report is filtered for both the table and associated chart.

About OSIsoft

OSIsoft (www.osisoft.com) delivers the PI System, the industry standard in enterprise infrastructure, for management of real-time data and events. With installations in 110 countries spanning the globe, the PI System is used in manufacturing, energy, utilities, life sciences, data centers, facilities and the process industries. This global installed base relies upon the PI System to safeguard data and deliver enterprise-wide visibility into operational, manufacturing and business data. The PI System enables users to manage assets, mitigate risks, comply with regulations, improve processes, drive innovation, make business decisions in real-time and to identify competitive business and market opportunities. Founded in 1980, OSIsoft is headquartered in San Leandro, California, with operations worldwide and is privately held.

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