

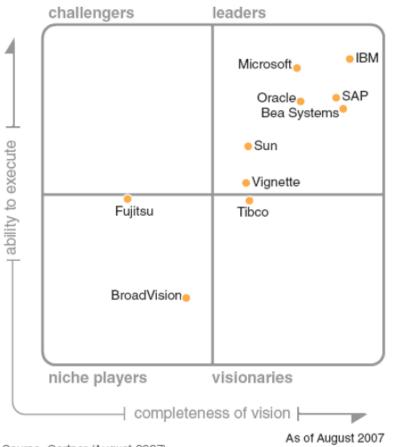


Visualization in the SAP Portal

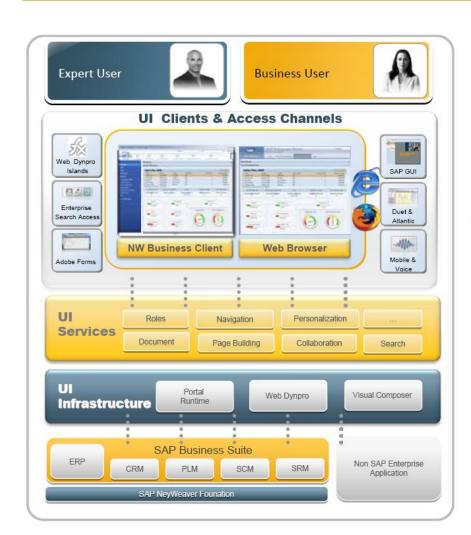
Dr. Gretchen Schwenzer Mike Sloves

SAPNetWeaver Portal is one of Market Leaders

Gartner MQ for portals 2007

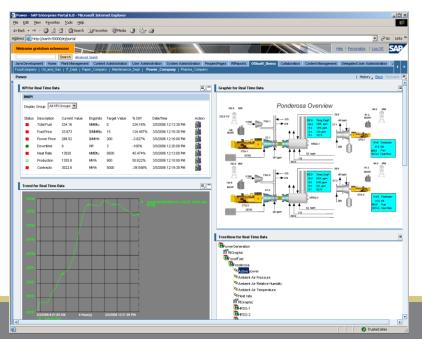


Source: Gartner (August 2007)



Unified View of the Enterprise

- •How can I get process data on the SAP Portal with no programming?
- •How can I do Ad Hoc analysis of manufacturing from the SAP Portal?
- •How can I integrate manufacturing data with enterprise data?
- •I need a Global view of manufacturing operations?
- •How do I communicate Vertically in the organization?
- I want rapid construction of Composite Applications.



Dynamic Energy Demand Management – Reducing Costs

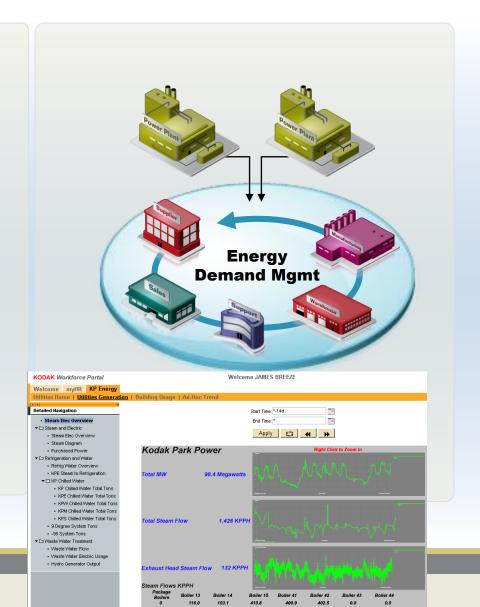
Change in Kodak and Chemicals Industry

- Conservation, optimization of resources, and cost control is imperative
- Merge real-time energy management data with business processes



Make Better Energy Usage Decisions

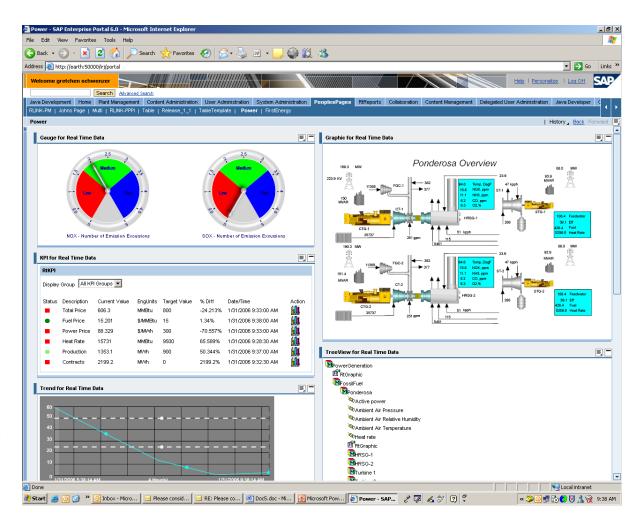
- Increased ROI on improved demand side management and optimization of power generation assets, saving millions of dollars, annually
- Opportunities in manufacturing to implement an energy conservation mode between product runs



RtPM Business Package for the SAP Portal

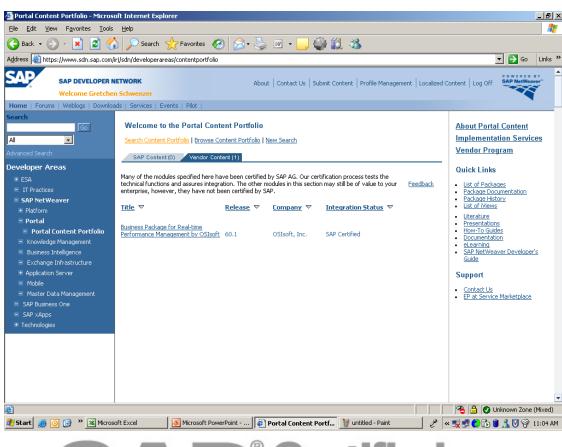
Business Package

- Combination of Roles,
 Pages and iViews for data
- End user configurable
- Supports Multiple business functions
- Customer incorporates into many applications including 3rd party
- Continuous updates in Real-Time
- Complements SAP Offerings
- Current version on SAP Portal 7.0
- Next release SAP Portal CE 7.1



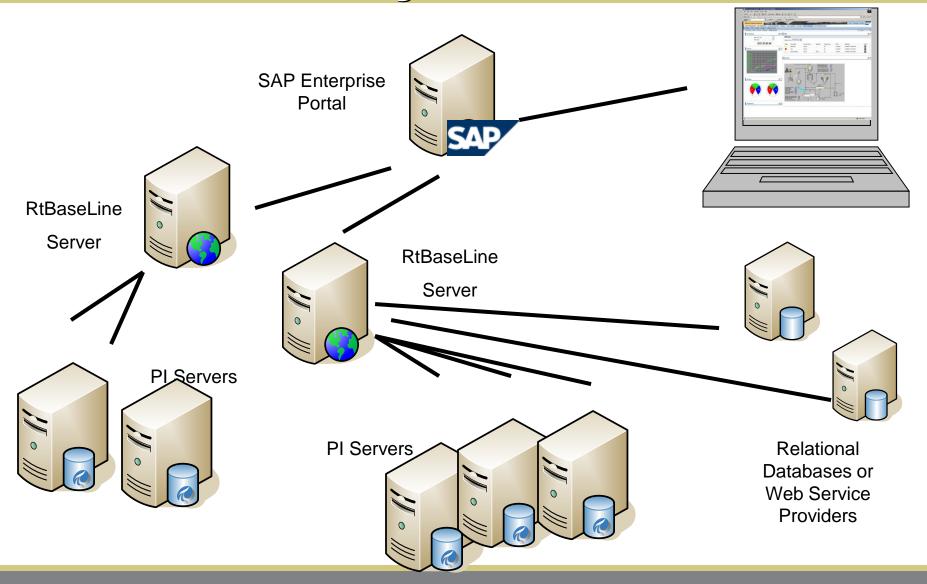
Certified Business Package

- Certified by SAP Interface
 Software for SAP NetWeaver TM
 Advertised on SAP SDN website
- Namespace com.osisoft.pct.RtPM
- Eventing between iViews
 - Composite application development
- Support Branding, and Single Sign-on and personalization
- Supports any platform the SAP Portal runs on





RtPM Business Package Architecture



Requirements

RtBaseLine Server

- Windows Server 2003
- Windows SharePoint Services
- SQL Server 2000 (or greater)
- Write access to a PI System for configuration
- RtBaseline Services and RtWebParts
- Machine Sizing
 - Sized as a function of the number of users
 - E.g., 200 users
 - Dual P4, 2GB Ram, 2 GB Disk space (NTFS only)

SAP Portal

- 7.0 SP11 or greater
- NetWeaver 2004S or CE 7.1
- Any NetWeaver Operating System

Client Side

- Requires compatible SVG Viewer (currently Adobe SVG Viewer)
- Internet Explorer 6.0 SP1
- No ActiveX downloads
- Machine Sizing
 - Windows 2000 or XP
 - Pentium III or higher
 - 256 to 512MB of RAM recommended

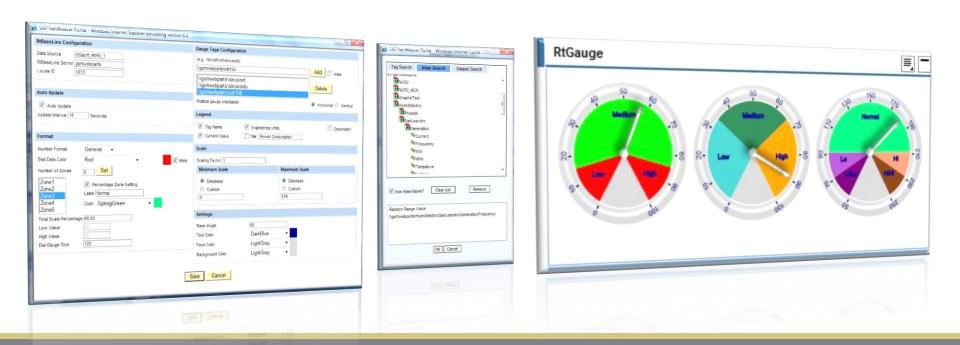
Basic Set of iView Building Blocks

- RtActiveView
- RtAnnotation
- RtBatch
- RtDataSearch
- RtGauge
- RtGraphic
- RtForm
- RtKPI
- RtTable
- RtTableTemplate

- RtTicker
- RtTimeRange
- RtTimeSeries
- RtTreeView
- RtTrend
- RtValues
- RtXYPlot
- RLINK-PM
- RLINK-PP

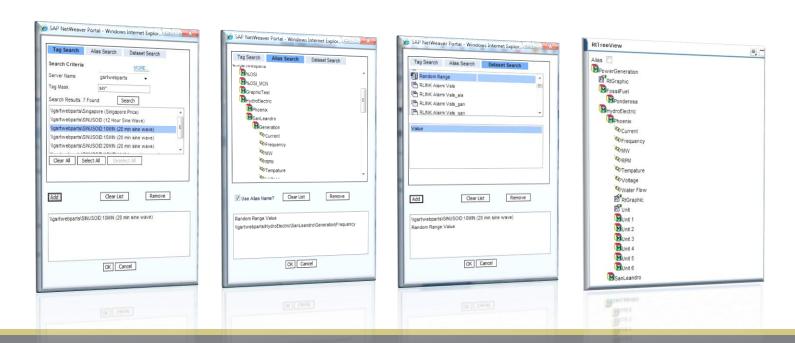
Configuration - Rich Personalization Dialogs

- Custom Personalization for each iView
- Minimal Typing
- Tag/Alias/Dataset/Web Service selection
- End User Configurable
- Configuration export for fixed content pages

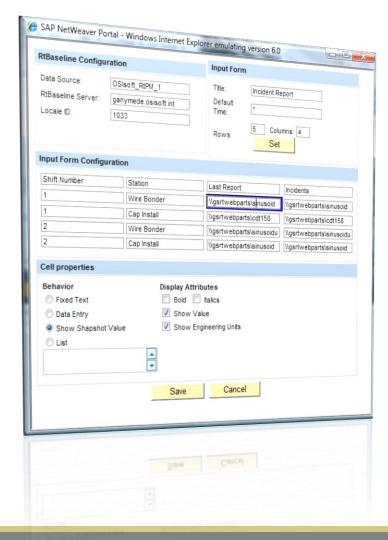


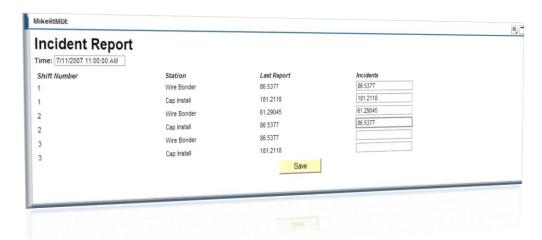
Ad Hoc Personalization

- "On The Page" Ad Hoc Customization
- RtDataSearch iView/RtTreeView iView
- iView-to-iView Runtime Configuration
- Used for on demand analysis



RtForm (Display or Data Entry)

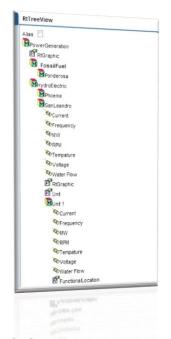




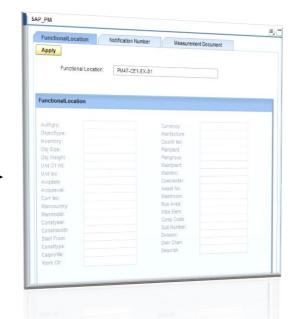
- Custom Rows and Columns
- Fixed Text/Data Entry/Read Only/Custom Lists
- Font Formatting
- PI Security-Aware
- Supports Time-based events

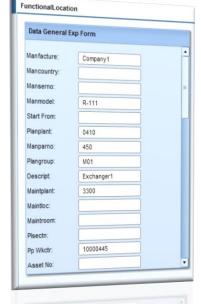
SAP Eventing Technology

- Visual Composer Compatibility
- Documented Interfaces for rapid development integration



Seamless Integration



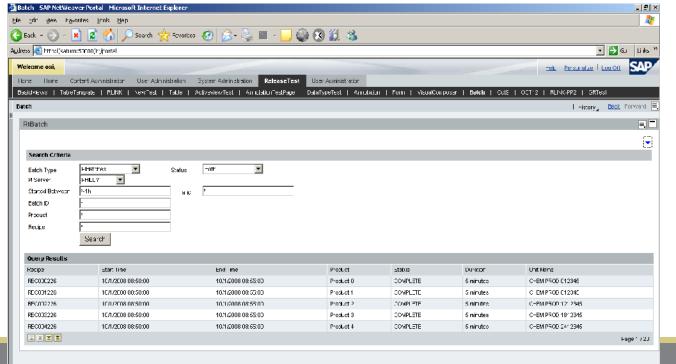


SAP Visual Composer iViews

New Features

- Compatible Web Parts 2.2
- Personalization Improvements color pallet selection
- CE 7.1
- Batch iView
- Branding changed for compatibility with SAP CE 7.1
- Configuration Export Improvements
- Printing





RtBatch iView

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Key Differentiators

- Operates in real time (seconds) e.g., Displays continuously update
- Performance and security of operational systems maintained
- Events published and subscribed to Visual Composer Composite

EPCM.raiseEvent("com.osisoft.pct.RtPM","AdhocSymbol", symbolname)

EPCM.subscribeEvent("com.osisoft.pct.RtPM","AdhocTags", adhocTags)

- Authoring tool for Displays ProcessBook
- Configurable Application
- Displays can have fixed content or they can be dynamic
- High speed PI System access as well as from Relational Data Source and web services
- Drill down to original fidelity
- We focus on what we do best while integrating with toolset to get Enterprise data

Conclusion

- Installed and Displays created in < 3 hours
- Unified view of the Enterprise business and multi site manufacturing facilities in single view
- Demo pod
- Learning Lab

Demonstration



