Thin Clients
RtPM Business Package
Certified for SAP NetWeaver™

Dr. Gretchen Schwenzer

OSIsoft, Inc.

SAP Certified Integration

OSIsoft.

Unified View of the Enterprise
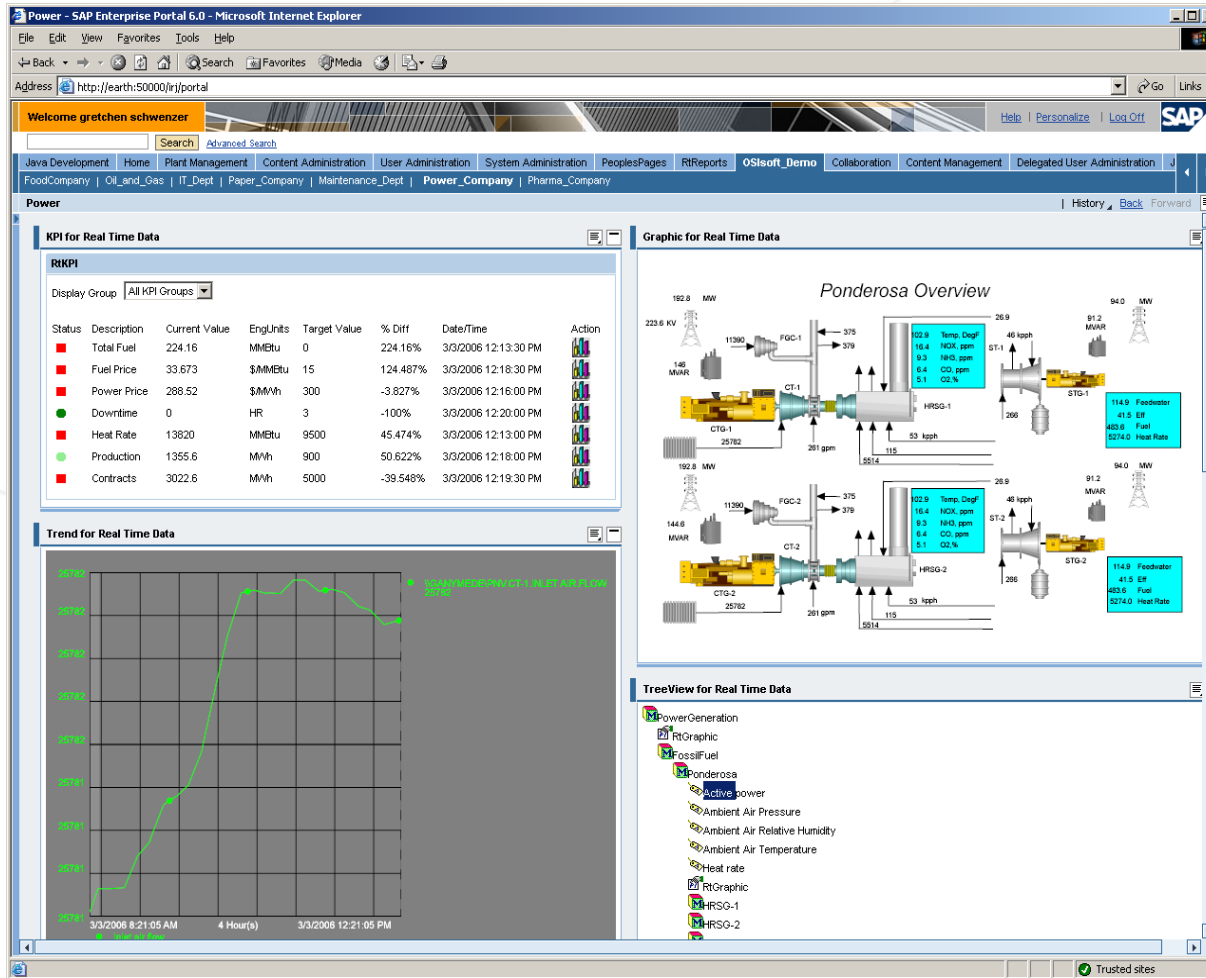
How can I view manufacturing data in conjunction with business data from SAP in the corporate SAP Portal?

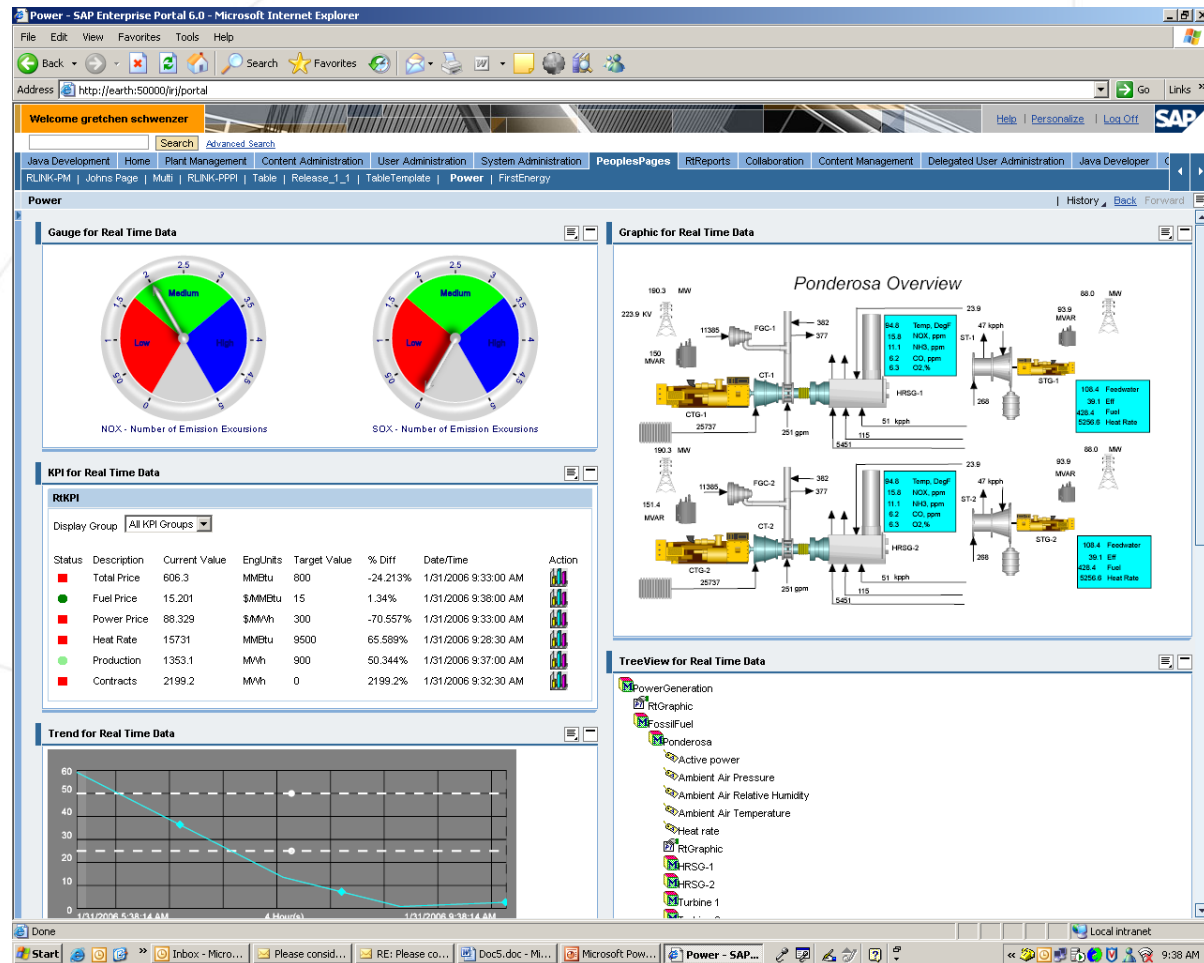**VALUE NOW, VALUE OVER TIME**

Pain Points

- 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

- Global view of manufacturing operations

VALUE NOW, VALUE OVER TIME

RtPM Business Package for the SAP Portal

- Business Package
  - Combination of Roles, Pages and iViews for process data
  - Built upon SAP Portal 6 SP 11 and higher
  - End user configurable
  - Supports Multiple business functions
  - Customer incorporates into many applications including 3rd party
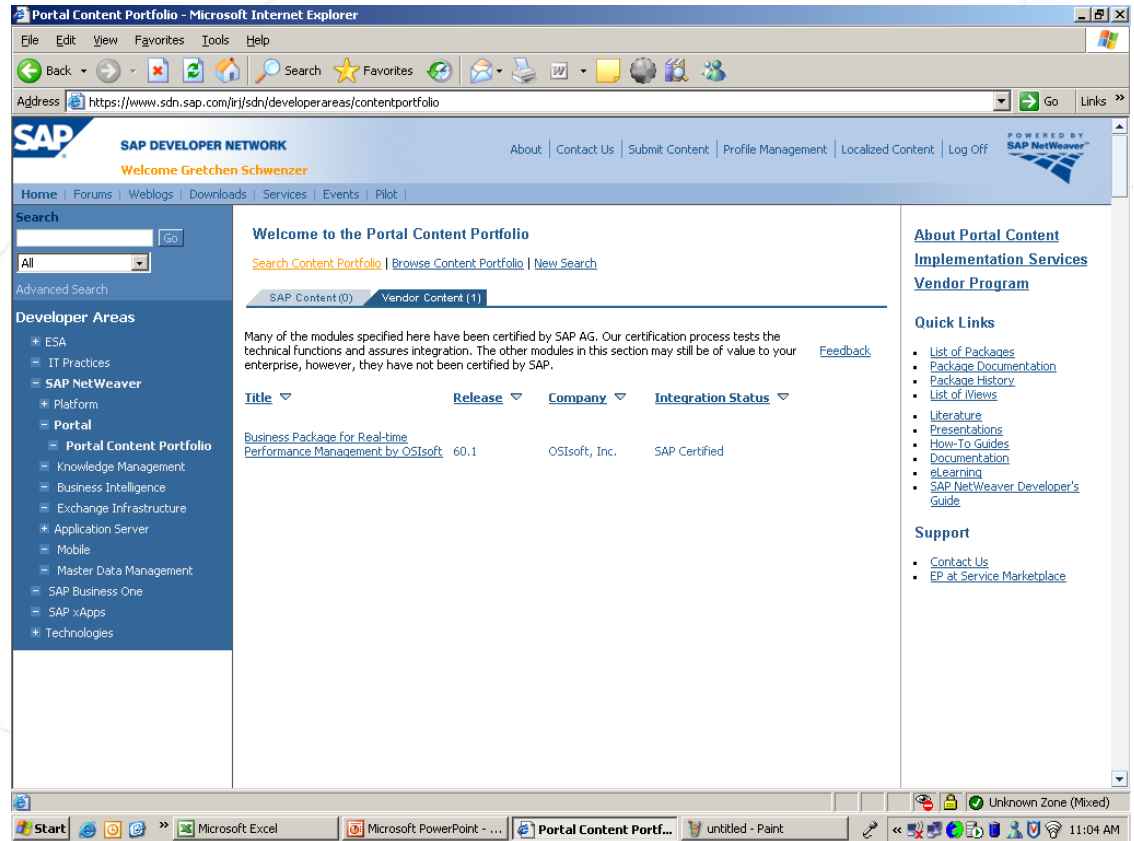 - Complements SAP Offering

Certified Business Package

- Certified by SAP Interface Software for SAP NetWeaver TM Advertised on SAP SDN website

- Namespace com.osisoft.pct.RtPM

- Support Branding, and Single Sign-on and personalization

- Eventing between iViews
  - Composite application development

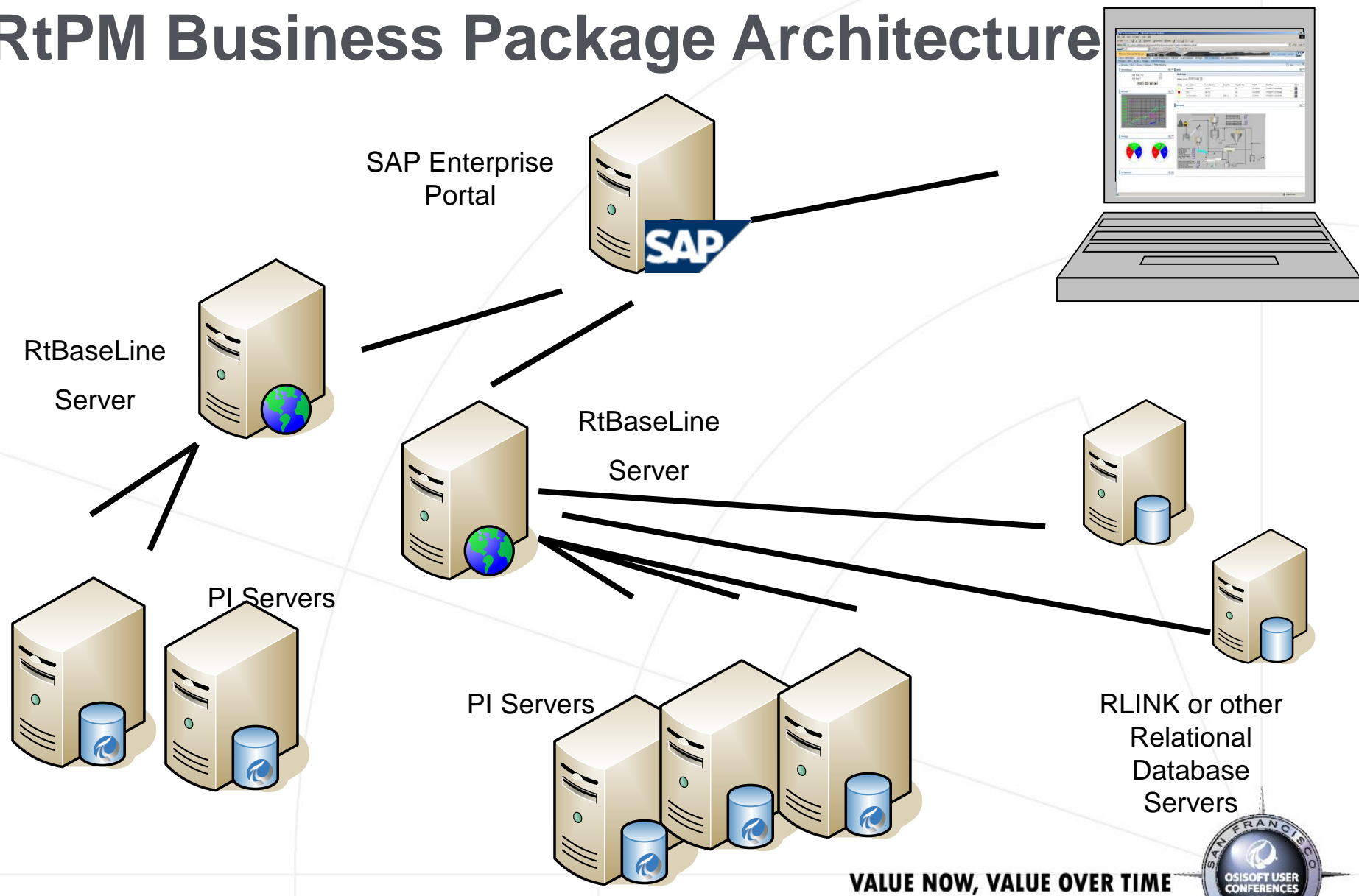- Supports any platform the SAP Portal runs on

RtPM Business Package Architecture

SAP Enterprise Portal

RtBaseLine Server

RtBaseLine Server

PI Servers

PI Servers

RLINK or other Relational Database Servers

VALUE NOW, VALUE OVER TIME

Requirements

- RtBaseLine Server
  - Windows Server 2003
  - Windows SharePoint Services
  - MSDE 2000 (can be on separate box)
  - Write access to a PI System
  - RtBaseline Services
  - 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)

- 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

- SAP Portal
  - 6.0 SP11>
  - NetWeaver 4.0
  - Any NetWeaver operating system

VALUE NOW, VALUE OVER TIME

Demo

RtPM Business Package

Basic Building Blocks

FR-03-01C-Schwenzer-iViews-Overviewdemo-uc2006.exe

VALUE NOW, VALUE OVER TIME

Basic Set of iViews

- RtActiveView

- RtGauge

- RtGraphic

- RtKPI

- RtTable

- RtTableTemplate

- RtTagSearch

- RtTimeRange

- RtTimeSeries

- RtTreeView

- RtTrend

- RtValues

VALUE NOW, VALUE OVER TIME

RtGauge
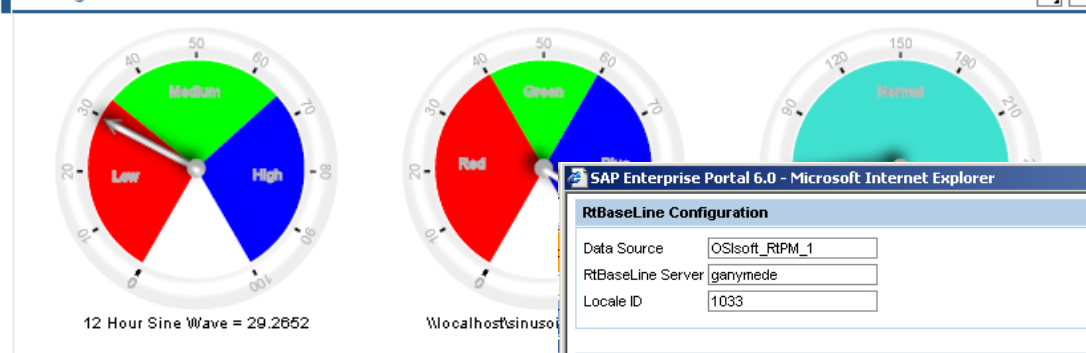
- Personalization
  - User Defined
  - Fixed Standard Page

User Definable Gauge

Vertical or Horizontal orientation

Multiple zones completely customizable

Events to other iViews and subscribes to events

VALUE NOW, VALUE OVER TIME

RtGraphic
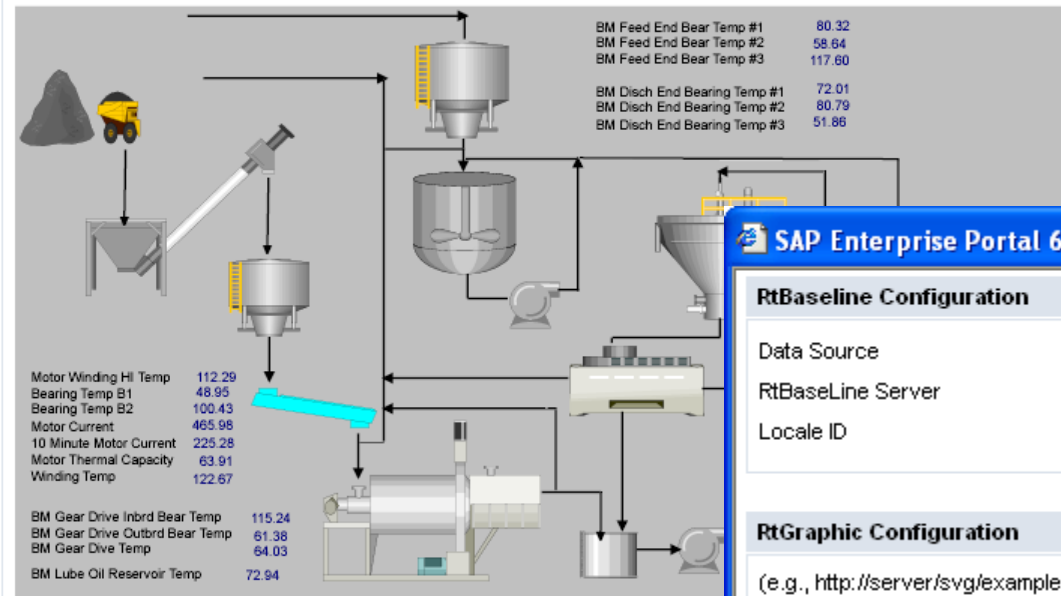
- Personalization
  - User Defined
  - Fixed Standard Page

User Designed

Updates 15 seconds

Symbols Event to other iViews

Recieves SVG filename events
from RtTreeView

Values Event to other iViews

Multistate Values

VALUE NOW, VALUE OVER TIME

RtKPI

User Definable KPI

Updates and continuous alarm checking second timeframe

Multi-state (5) alarm regions per value

Events to other iViews for trending

- Personalization
  - User Defined
  - Fixed Standard Page

VALUE NOW, VALUE OVER TIME

RtTrend

Cursors and Trend Bars

Events Received and raised

Limits and ranges

Legends labels

Continuous Updates seconds

- Personalization
  - User Defined
  - Fixed Standard Page

VALUE NOW, VALUE OVER TIME

Demo

RtPM Business Package

Relational Database Query

FR-03-01C-Schwenzer-iViews-Tabledemo.exe

VALUE NOW, VALUE OVER TIME

RtTableTemplate

Private and Public Templates

Conditional Formating

Events Broadcast Defineable

RtTable

- Personalization
  - User Defined
  - Fixed Standard Page

Responds to Time Events

Conditional Formating

Broadcast Events

VALUE NOW, VALUE OVER TIME

Demo

RtPM Business Package

Plant Maintenance

FR-03-01C-SchwenzeriViewsMaintenance.exe

VALUE NOW, VALUE OVER TIME

Supplement RLINK PM

- RtRLINKAlarmVals

- RtRLINKFunctionalLocation

- RtRLINKFunctionalLocationSymbol

- RtRLINKMeasurementDocs

- RtRLINKPlantUnit

- RtRLINKPointGroupFromFunctionalLocation

- RtRLINKTags

VALUE NOW, VALUE OVER TIME

Demo

RtPM Business Package

Production Information

FR0301CSchwenzeriViewsProduction.exe

VALUE NOW, VALUE OVER TIME

Supplement RLINK PPPI

- RtRLINKBOM

- RtRLINKMaterialTags

- RtRLINKMSEL

- RtRLINKMSHD

- RtRLINKPhase

- RtRLINKPlant

- RtRLINKPointGroupRtRLINKRecipe

- RtRLINKTags

VALUE NOW, VALUE OVER TIME

Kodak

- Goal
  - Monitor Energy Performance company wide
  - Only Portal in company is SAP Portal
- Implementation
  - Installed themselves
  - Webex training and support
  - Resolved https issues with their help
- Presenting at SF User Conference

VALUE NOW, VALUE OVER TIME

Key Differentiators

- Operates in real time (seconds) ie. Displays continuously update
- Performance and security of operational systems maintained
- Events published and subscribed to
    - EPCM.raiseEvent("com.osisoft.pct.RtPM","AdhocSymbol", symbolname)

      EPCM.subscribeEvent("com.osisoft.pct.RtPM","AdhocTags", adhocTags)
    - 3rd parties are integrating with OSIsoft iViews and namespace events
- Authoring tool for Displays - ProcessBook
- Configurable Application
- Displays can have fixed content or they can be dynamic
- Real-time web services and Real-time composites to enable an enterprise wide business platform

VALUE NOW, VALUE OVER TIME

Platform Release Timeline

1/3/2006 - 2/1/2006
PR 0 "EA"

7/1/2006 - 9/1/2006
PR 1 "HA"

12/1/2006 - 2/1/2007
PR 2 "Data Directory/PIANO"

9/1/2007 - 11/1/2007
PR 3 "Enterprise Platform"

1/1/2006   4/1/2006   7/1/2006   10/1/2006   1/1/2007   4/1/2007   7/1/2007   10/1/2007

10/1/2005

1/1/2008

UC2006
4/1/2006

Office 12
12/1/2006

Windows Vista
11/1/2006

- Release 60.1.1

- Release 60.1.2
- Based on RtBaseLine 1.1
- RtTicker
- RtAnnotation
- RtTrend – Updates
- RtXYPlot

- Release 60.1.3
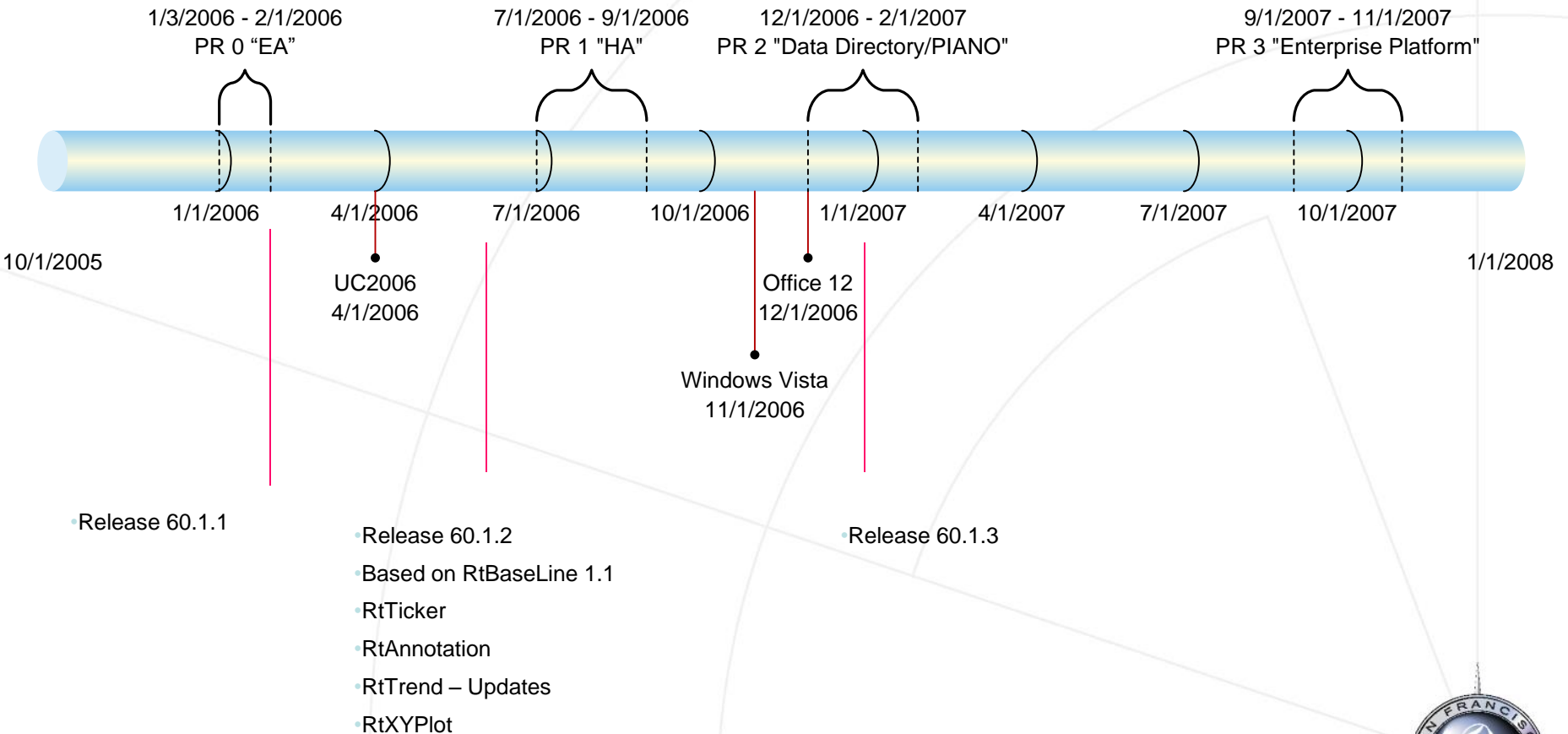
VALUE NOW, VALUE OVER TIME

Summary

- Installed and operational in < 3 hours

- Unified view of the enterprise – business and multi site manufacturing facilities in single view

- Demo pod

- Learning Lab

VALUE NOW, VALUE OVER TIME

SEA: RtPM Business Package

- **S**imple
  - Easily installed
  - End user configurable and designed
- **E**nterprise Aware
  - Across enterprise visualization integrated with other Enterprise data
- Highly **A**vailable
  - Information whenever, wherever, and however

VALUE NOW, VALUE OVER TIME