

**UC2006 OSISOFT USER CONFERENCE**

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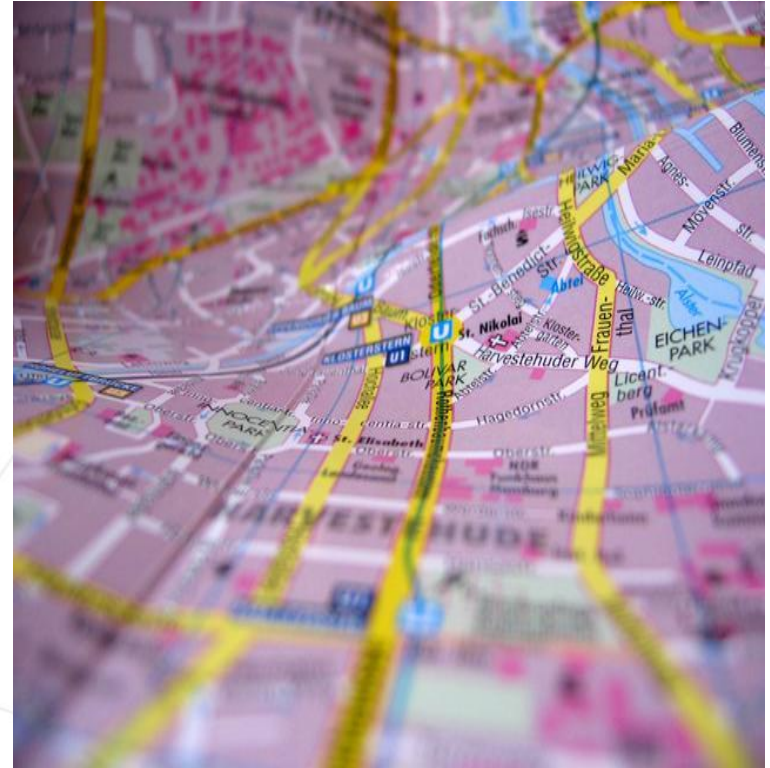
# PI ProcessBook

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# On the Road with ProcessBook

- Where have we been
- Where we are today
- Looking down the road to tomorrow



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# Where have we been

- Real-time data
- Simple data types
  - Unsigned integers, floats, digital tags
- Visual Basic for Applications
  - Interactive displays
  - Pertinent business rules
- Datasets
  - Computational
  - Relational

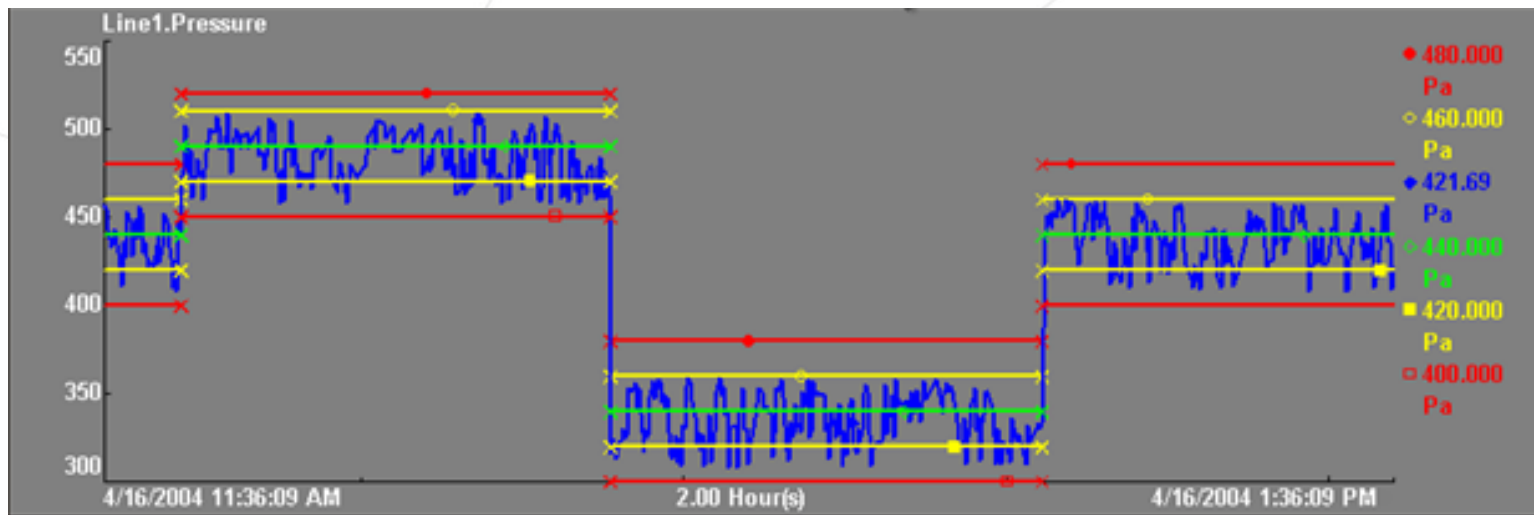


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# Datasets

Select HH, H, T, L, LL from Quality\_Table  
where Grade = ?



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# More was needed

- Distributing the Display centric model
  - Dataset definitions
  - VBA Scripts
- Scaling to larger, richer PI Systems
- Scaling to larger distributed teams

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# Where we are today

## PI ProcessBook 3.0



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# PB 3.0: Richer Experience

- More data and more types of data
  - Sub-second time
- Highlight attributes about data events
  - Questionable, Substituted, Annotated
- XY Plot with data pairing options
- Client as well as Server time perspective
- Understand the user's domain login
- Non-intrusive error reporting
- Enterprise distribution support

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# PB 3.0: Performance

- General Performance
  - Comparable to PB 2.3
- Performance over slow connections
  - Surpasses PB 2.3
- Loading Large Graphics
  - Surpasses PB 2.3



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# Collaborative Features

- First class web-based file format
  - Viewable in a browser
  - Enhanced in real time by RtGraphic
  - Share and Collaborate without the need for ProcessBook
  - First Class format
    - No ActiveX and VBA Scripting support
- SharePoint and SAP portals
  - SharePoint Document Libraries
  - Launch Analysis Tool
  - PI ActiveView support



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# Organize Larger PI Systems

- Module Database
  - Logically organize tags hierarchically
  - Intuitively search for tags
  - Efficiently create “Templatized” displays
  - Share with others

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# PI ProcessBook 3.0 Demo



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# Analysis Framework

- Element Templates hold both data source and visualization.
- Data sources can be
  - PI Tags, computational, relational, custom
- Visualization can be
  - Single ProcessBook symbol
  - Composite ProcessBook symbol
- A logical view of the PI System
- Limitation: Can't create element relative displays.

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# AF: A Shared System

- Migrate ProcessBook datasets to AF
- Standardize the look and configuration of common elements via ProcessBook symbols
- Build new displays by Searching and browsing a logical hierarchy of elements
- Build applications
  - Move valuable business logic from scripts in ProcessBook VBA into a shared, centrally managed system.
  - Interact with and show the result of the application in ProcessBook.

**Yet, there is more to do...**

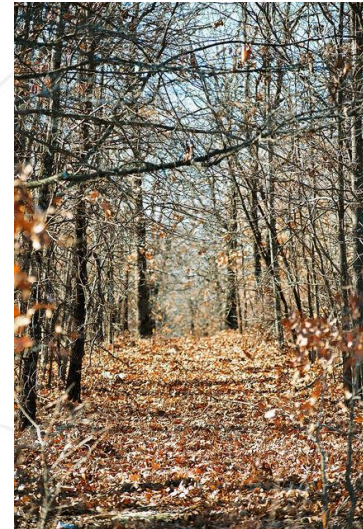
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# The Road Ahead: Drivers

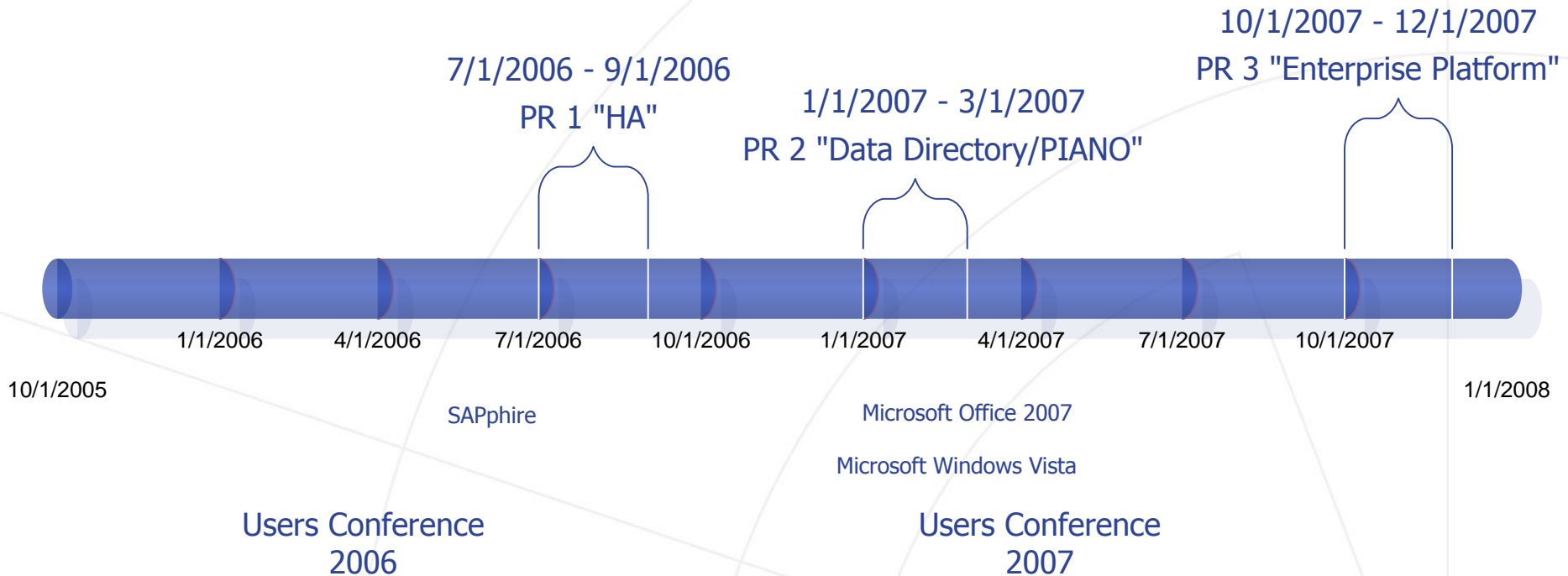
- **S**imple, **E**nterprise aware, Highly **A**vailable
- SIGs and Customer input
- Expose the features of the RtPM Platform
- Preserve current investment
- Current Initiatives
  - PIANO
  - Foundation



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# The Road Ahead



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# The Road Ahead: Platform Release 1

- High Availability
  - Connecting to Replicated servers
  - Continue attention to performance
  - PI ActiveView 3.0
- Q3 2006



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# The Road Ahead: Platform Release 2

- Data Directory and PIANO
  - Support the Data Directory, migrating Module DB and AF displays
  - PIANO, Analysis and Notification, features
  - Improved design-time user experience
  - Vertical Trends
  - Support PB file indexing
- Q1 2007



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# PI ProcessBook

- Questions...



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