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Turning **insight** into **action**.



OSIsoft PI System Implementation with Windows 7 & MS Office 2010 at Eastman Chemical Company

Presented by **Tracy Davenport, Systems Analyst**
David Johnston, Systems Associate

Agenda

- **About Eastman Chemical Company**
- **Our Challenge**
- **Our Solution**
- **Our Benefits**
- **Our Learnings**

Who we are

EASTMAN

- A global manufacturer of chemicals, plastics, and fibers headquartered in Kingsport, Tennessee
- A company dedicated to environmental stewardship, social responsibility, and economic growth
- Winner of the 2009 U.S. Presidential Green Chemistry Challenge
- One of *Newsweek's* Top Greenest Companies in America
- The first company to commercialize a gasification facility in the U.S., in 1983, which is operating at industry-leading performance



Sustainability: A key lens to our business

- We are building a vibrant sustainability culture with Responsible Care® at the core
- Not just the right thing, but the smart thing to do
 - Published first Sustainability Report in 2010
 - Named first Chief Sustainability Officer
 - Innovation and operational goals in place



Key 10 year environmental goals

- 25% reduction in energy intensity within 10 years
- 20% reduction of greenhouse gas intensity over 10 years
- 20% NO₂ and 40% SO₂ reductions within 10 years

Sustainability: Megatrend driving growth today and tomorrow

**Eastman Tritan™
copolyester**

*Manufactured
without BPA*



**Eastman Solus™
performance additive
high solids CABs**
Low VOC content



EASTMAN



Eastman™ cellulosics

*Sourced from
renewable resources*



**Eastman 168™
non-phthalate plasticizer**

*Building products, medical
devices, and other
demanding applications*



Our Challenge

- Extend life and improve performance of current assets
- Provide seamless transition of existing **OSIsoft PI System software** and **Eastman Process Information Management Solutions (PIMS) applications**
- Minimize user interruption and downtime during upgrade process
- Provide support for Deployment Team and Users



Eastman's Computing Background

- **Windows 95 & Office 97 (standardized) – 1996/1997**
- **Windows 2000 & Office 2000 – 2000/2001**
- **Windows XP & Office XP – 2003/2004**
- **Office 2003 Upgrade Only – 2005**
- **Vista & Office 2007 – 2007/2008**
- **Windows 7 & Office 2010 – 2010/2011**

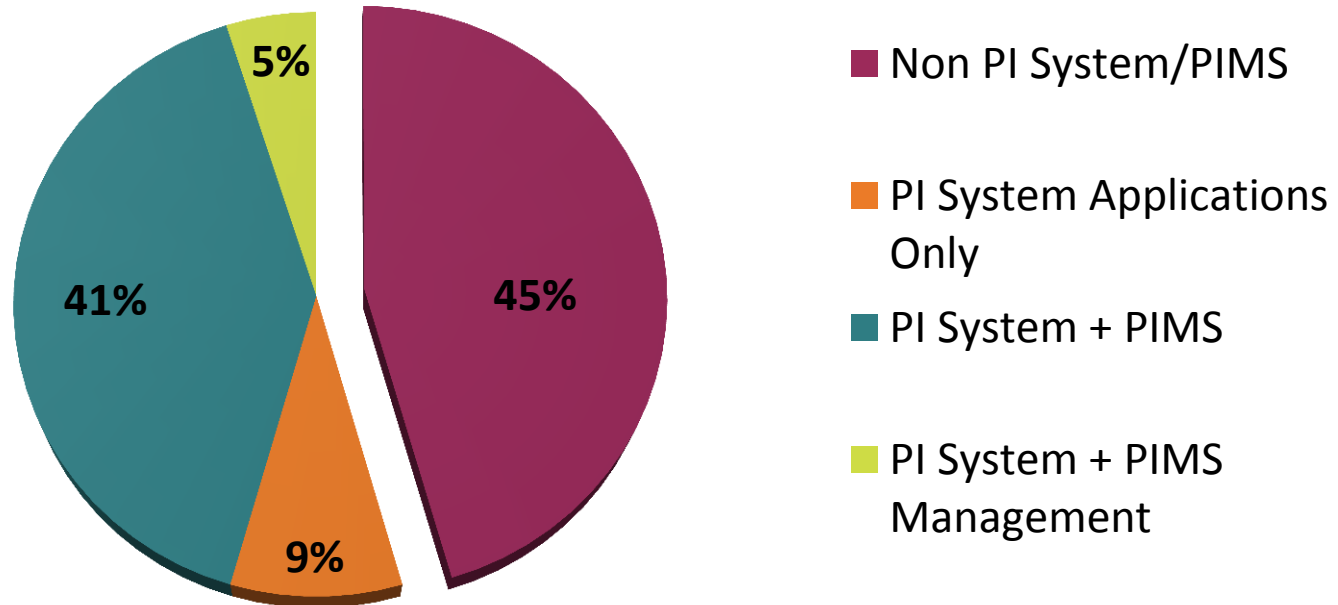


Project Scope



- This project consists of Eastman sites worldwide.
- Seven of the manufacturing sites utilize the PI System and PIMS software.
 - Four International and three US plant sites.
- We have approximately 5000 client machines that utilize the PI System
 - Approximately 150 Eastman PIMS applications that rely on the basic PI System

Manufacturing Solutions Computing Landscape



OSIsoft Products

- **PI ProcessBook, version 3.2.3.0**
- **PI DataLink 2010, version 4.2.0**
- **PI SDK, version 1.3.8, build 388**
- **PI BatchView, version 3.1.4**
- **PI OLEDB, version 3.3**
- **PI SMT 2010**



Solution

Establish Early Adopters “Volunteer” Program



Application Compatibility Testing



Create PIMS Manufacturing Image

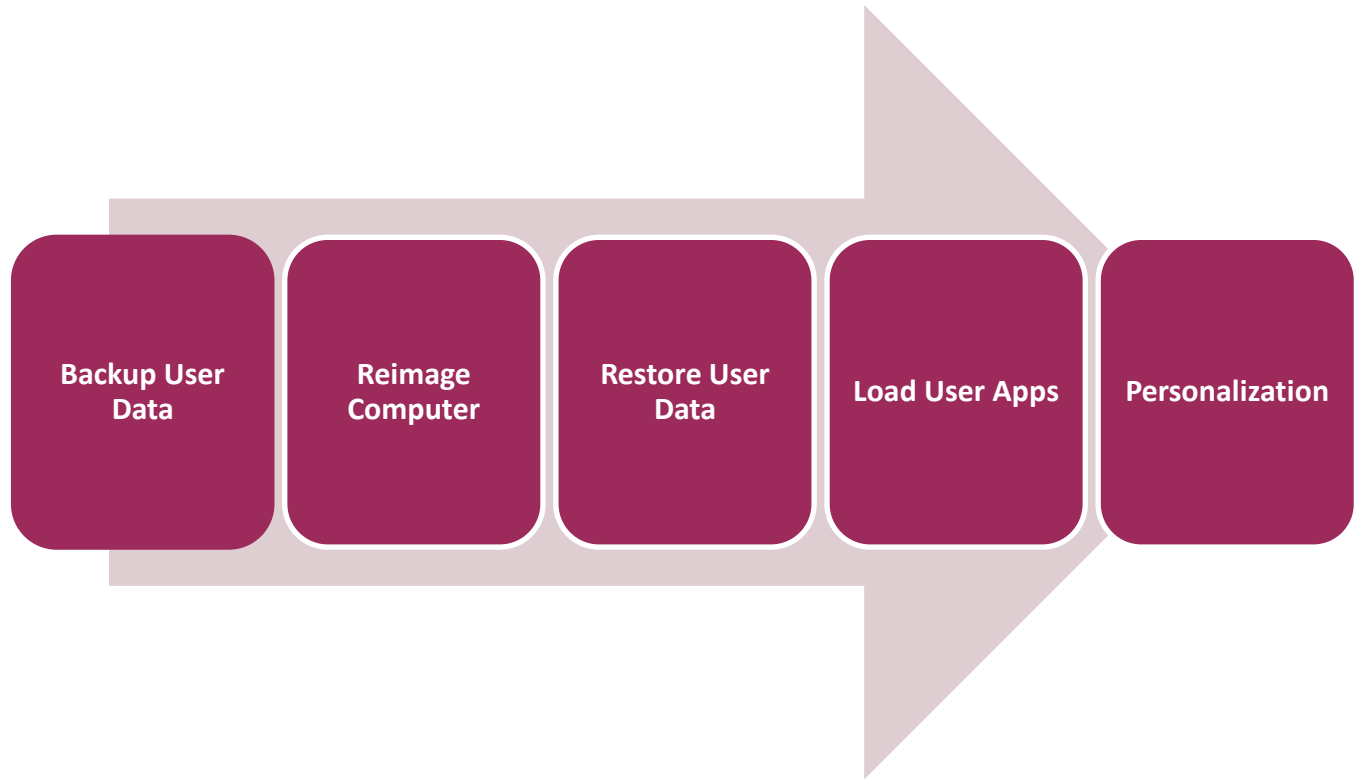


Create Deployment Process



Initiate Global Help Desk Support Process

Deployment Process



Results

- **Over 500 employees participated in the Early Adopter “Volunteer” Program.**
- **Initial laptop tests proved increased productivity and performance.**
- **Survey feedback has been positive!**



Survey Results

1. Rate your overall experience with PI ProcessBook on Windows 7

Much better

(17%)

Better

(33%)

About the same

(50%)

Worse

(0%)

2. Rate your overall experience with PI DataLink on Windows 7

Much better

(17%)

Better

(50%)

About the same

(33%)

Worse

(0%)

Much worse

(0%)

83% of respondents indicate performance increased with PI System applications running on Windows 7

5. Has Windows 7 increased your performance using

Yes

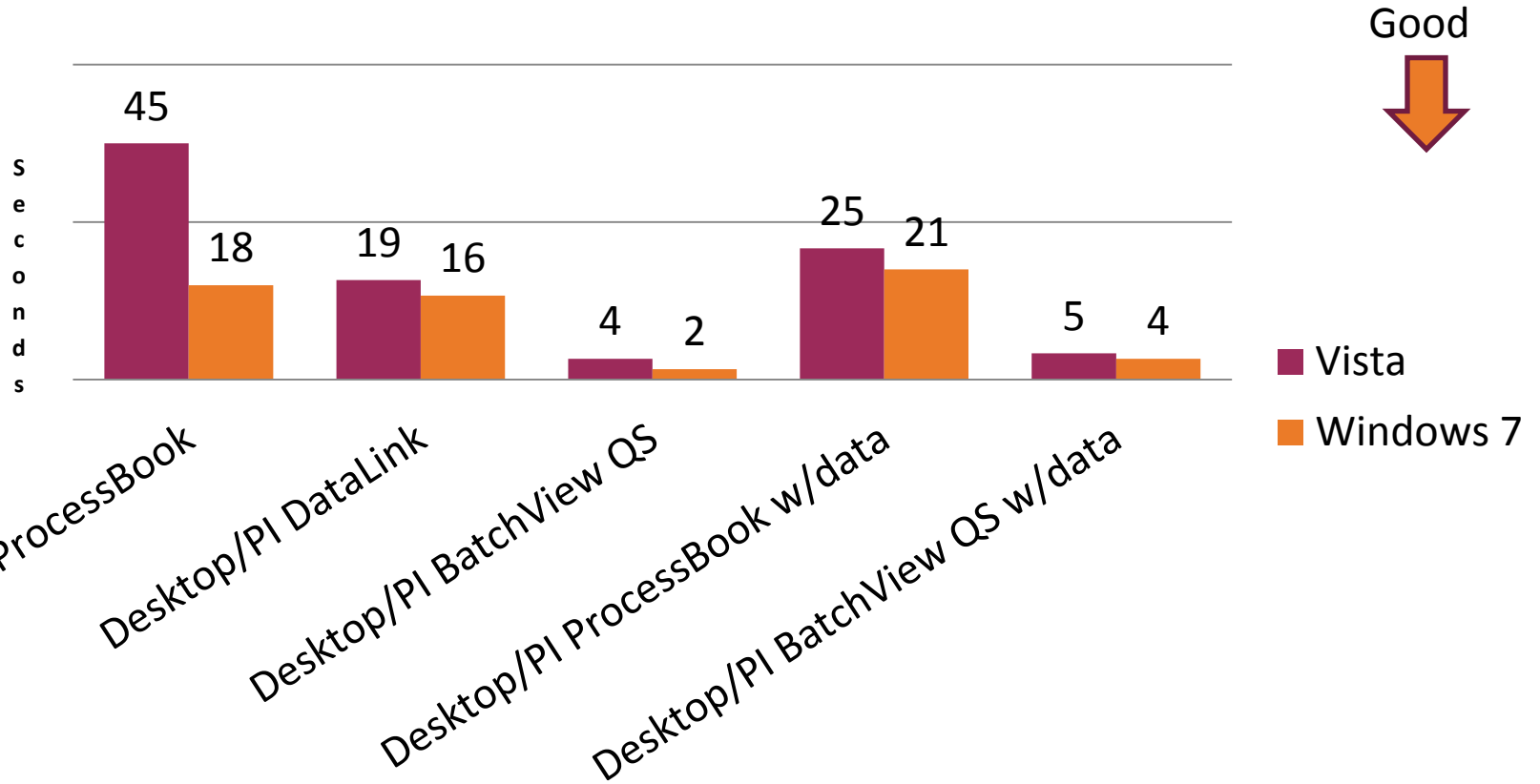
(83%)

No

(17%)

50% of respondents rate overall user experience of the PI System applications has improved on Windows 7 while 50% rated that they are about the same

Initial Early Adopter Test Results

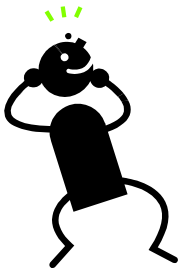


Benefits

- **Total Productivity Improvement - 84 FTE**
- **PIMS Manufacturing Image – 1 FTE**
- **Vendor alignment (DCS, Lab)**



Learnings



- Users really like the following updates in PI ProcessBook
 - Data Favorites, Drag & Drop, Browser Add-in, and SQC Symbol
- Users really like the following updates in PI DataLink
 - PI Ribbon
- Problem with saving MS Excel Spreadsheets in Office 2010 with PI DataLink 2010 and PowerPivot COM objects loaded.
- Customized Alarm notifications no longer display in System Tray.
- Problem with Calendar Control in several of our customized applications.

Future Plans

- **Deploy PI System software and PIMS standard/corporate client applications utilizing Microsoft Application Virtualization (App-V)**
 - **This will remove the need for the manufacturing image**
 - **Managed application upgrades**

Questions

- Contact David at djohnstn@eastman.com
- Contact Tracy at tdaven@eastman.com



Thank you

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