

MeadWestvaco

Leading with Imagination

An Enterprise Implementation of PI-ACE and Module Database

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PACKAGING



COATED &
SPECIALTY PAPERS



CONSUMER &
OFFICE PRODUCTS



SPECIALTY
CHEMICALS

Overview

- MeadWestvaco and PI
 - IT Enabler
 - Bringing It All Together
 - Module Database and PI-ACE
 - PIMDBEditor Demo
 - PI-ACE Simple Calculation Demo
 - PI-ACE Data Transfer Demo
- Questions

Leading Global Producer Of



- Packaging and PaperBoard



- Coated and Specialty Papers



- Consumer and Office Products



- Specialty Chemicals

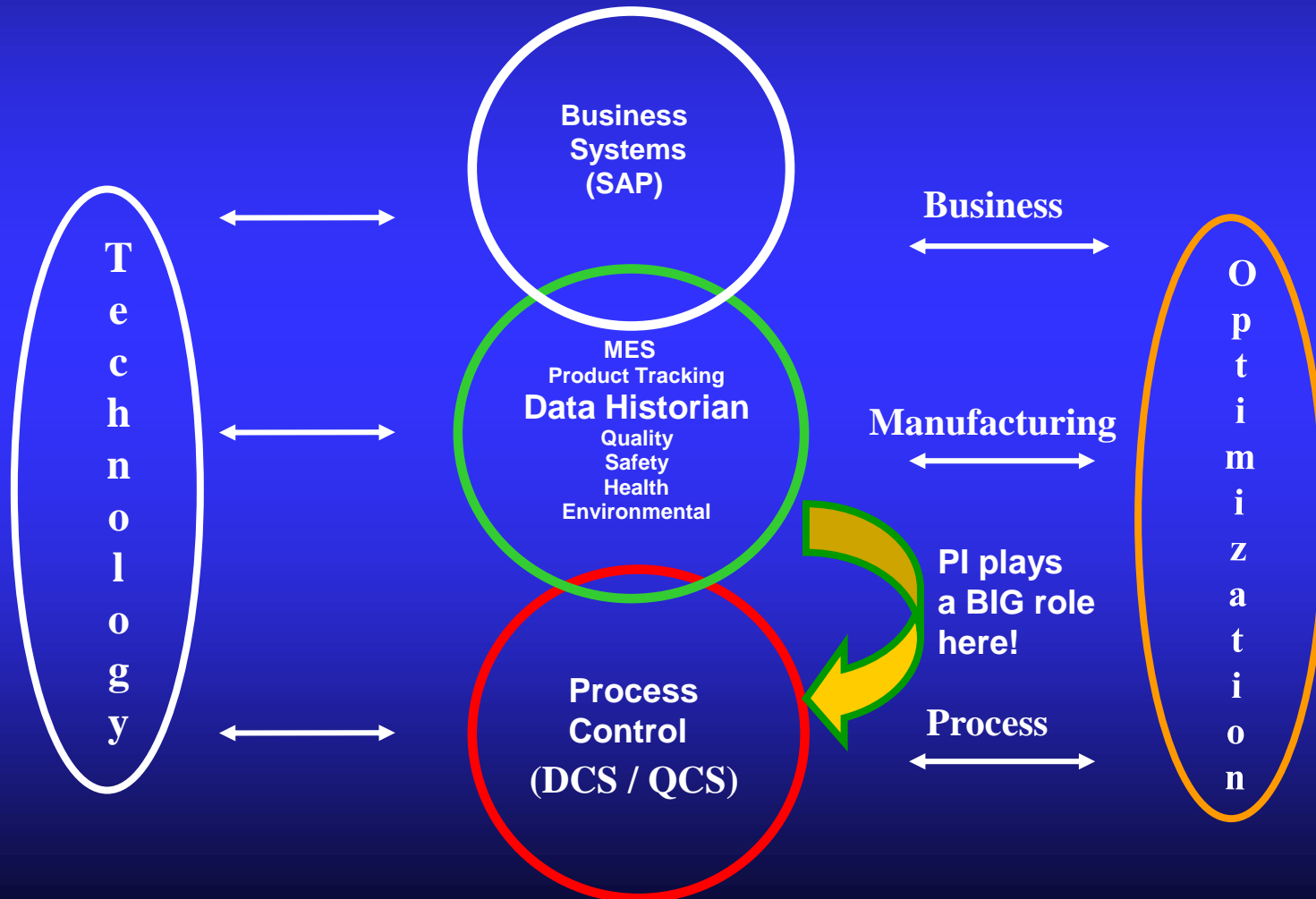
PI and MeadWestvaco

- Installation
 - 15 Major MeadWestvaco sites
 - over 2000 client licenses
 - 650,000 Data Streams
 - 3 to 5 years data retention

PI and MeadWestvaco

- Technology
 - Legacy VAX/VMS
 - Clustered Windows 2000 Advanced Server
 - Browser access

PI and MeadWestvaco



PI's Contribution

- Promotes consistency creating the environment to support long term strategies for leveraging tools and investment synergies
- Enables Standards and Support where Best Practices is essential
- Investment that supports a common platform and accelerates the transition from legacy environments
- PI-Tools are centric to the High Uptime and reliability metrics associated with integrated MES.

PI-Module Database

- Standard in PI-UDS Database
 - Module Database Stores the Structural Information Used by an ACE Module
 - Aliases and Properties
 - Facilitates Code Re-use
 - Different Tags / Identical Aliases
 - Ease of Support
 - Make changes via Module Data Base

PI-ACE

- PI-ACE
 - Consistency
 - Standards and Support
 - Leverage Investment that supports a common platform
 - Ease of use thus better able to leverage investments
 - Promotes transition from legacy environments

What is a Module?

“A Standardized, often interchangeable component of a system or construction that is designed for easy assembly or flexible use”

Demo

- Using the PIMDBEditor

PI-ACE

- PI-ACE (Advanced Computing Engine)
- 3 components
 - ACE Scheduler
 - Clock or Natural Execution of ACE Modules
 - ACE Manager
 - Monitoring Tool
 - ACE Wizard
 - Add-In to Visual Basic 6

PI-ACE

- ACE Wizard
 - Allows you to select tags/aliases to be used in the ACE Module
 - Creates the Visual Basic and SDK code that Defines PI Specific Variables, Objects and Classes so you don't have to

Basic Calculation

- Demo
 - Formula Database

The Executable

- ACE Executables
 - ACE Module corresponds to a class module in a Visual Basic ActiveX EXE project
 - ACE executable can contain multiple modules
 - ACE modules can run in different contexts
 - Only limitation to the number of executables is the computer resources

PI-ACE

- ACE Scheduler
 - Runs as a Service
 - Automatic start on reboot

PI-ACE

- ACE Manager
 - Allows user to manage ACE Modules
 - Stop/Start/Delete
 - Create additional contexts
 - Enable Troubleshooting
 - Demo

Data Share

- Demo

- Use ACE and OLEDB to populate Product Tracking Screens to reduce operator manual entry

Conclusion

- ACE is Easy to Use
- Generates the Difficult portions of the code for you

Questions

- ???