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Agenda



- Overview of the PI System
- Interfaces
- IEC 61850/IEC 61400-25
- The importance of PI AF



PI SYSTEM 2010





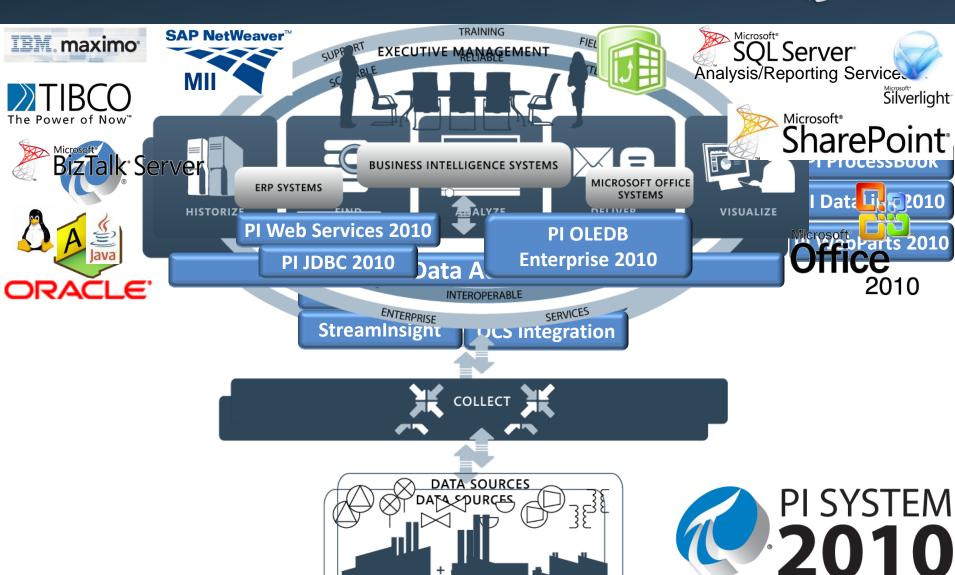








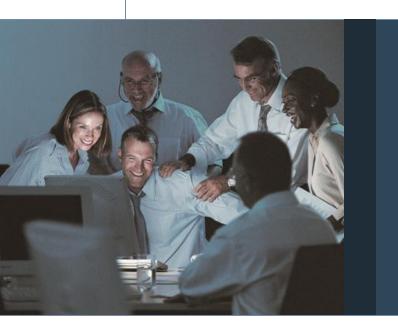




ENTERPRISE-WIDE VISIBILITY



PI Interfaces







- Over 400 interfaces developed
- Unifies your data in the PI System
- 59 releases in 2010
- Significant and continuing investment
 - One of the largest development teams in OSIsoft



Devices

PLCs (Programmatic Logic Controllers)

Systems

- Distributed Control Systems (DCS)
- Supervisory Control and Data Acquisition (SCADA) systems
- Energy Management Systems (EMS)
- Manufacturing Execution Systems
- Batch Execution Systems
- Laboratory Information Systems (LIMS)
- Maintenance systems
- Building Automation Systems



Standards

- · OPC
- Modbus
- DNP3
- BACnet
- SNMP
- IEC 61850/IEC 61400



IT Assets

- Ping
- TCP Response
- Performance Counters

Databases

- Relational databases (RDBMS)
- Files (Universal File Loader UFL)
- Internet
 - HTML

IEC 61850/IEC 61400



- PI IEC 61850 Interface is in development now
- Testing with E.ON
- Partnering with SISCO



IEC 61850/IEC 61400

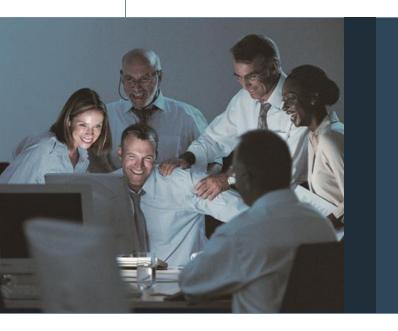


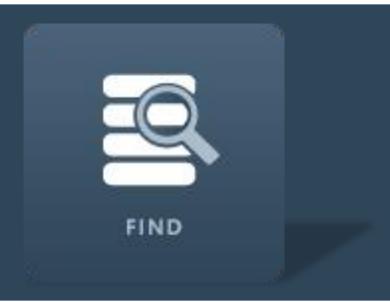
- Wind 61400-25
- Substation 61850-7-4
- Hydro 61850-7-410
- Distributed Energy Resources (DER) 61850-7-420





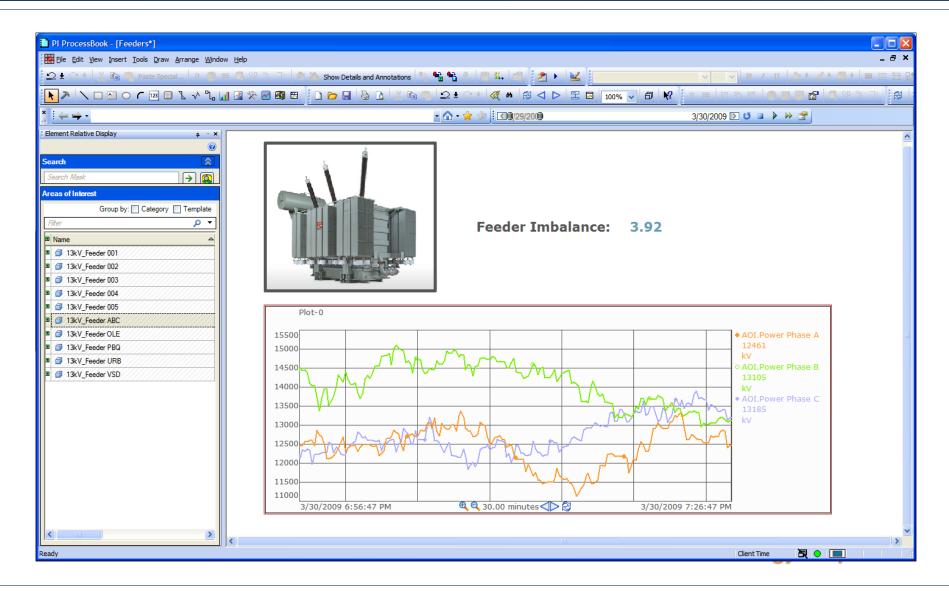
PI Asset Framework (AF)





PI Server: PI Asset Framework (AF)





Questions?





Thank you

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