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REGIONAL SEMINARS 2013

The Power of Data

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Find Opportunities, Gain Insights, Generate Value –

what you can do with access to PI System data

Presented by **Ales Soudek**

OSIsoft Product Manager

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“Data is your only weapon for improved performance.”

Dr. Don Paul, Vice President CTO, Chevron

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RockTenn

- Needed to bring Users together
  - Interesting use cases emerging from mills
  - Corporate provided some ideas but Mills were interested in developing their own
- PI System Power User Group
  - Build cross Mill relationships
  - Promote idea sharing
  - Friendly competition promotes learning and initiative

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"Operators are afraid of full blown PC Applications, PI Coresight will give them easy to use Ad hoc capabilities" – Matt Corcoran

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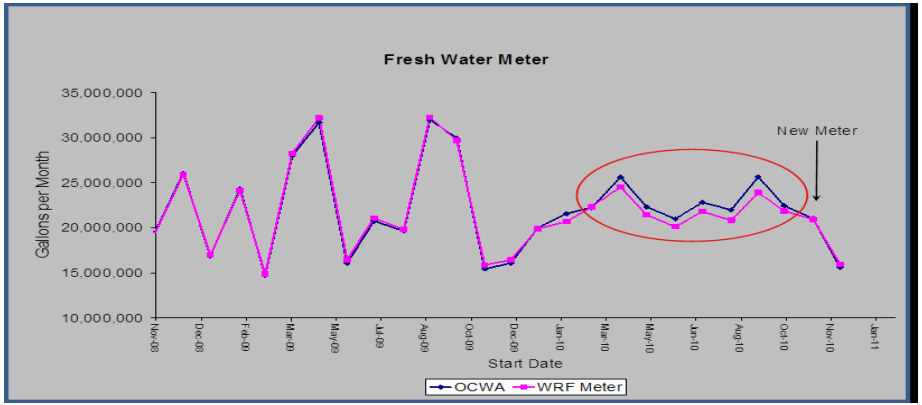
RockTenn Water Bill in Excel



- Real time water usage stored in the PI System and analyzed in Excel using PI DataLink
- Found a faulty water meter installed by Utility company
- Overcharging for Effluent treatment due to a build up on the Effluent meter

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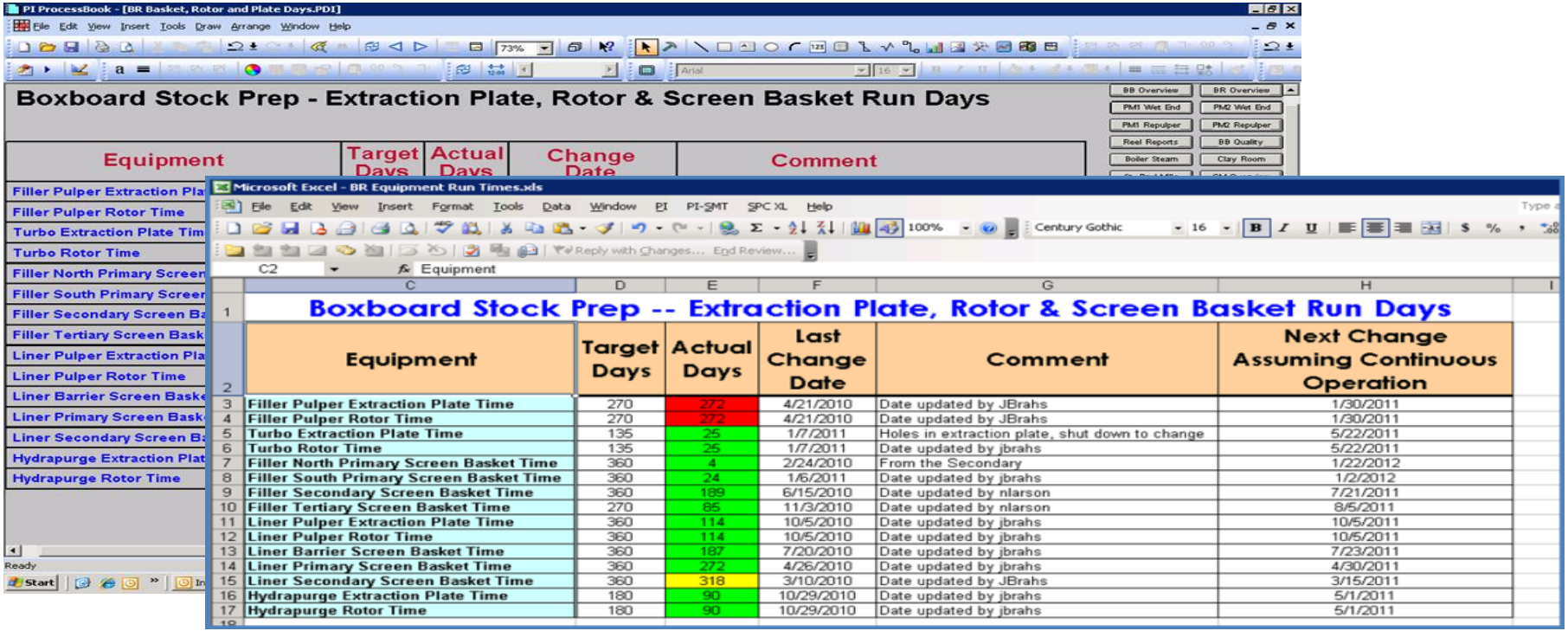
RockTenn Equipment Run Time



Equipment	Target Days	Actual Days	Last Change Date	Comment	Next Change Assuming Continuous Operation
Filler Pulper Extraction Plate Time	270	272	4/21/2010	Date updated by JBrahs	1/30/2011
Filler Pulper Rotor Time	270	272	4/21/2010	Date updated by JBrahs	1/30/2011
Turbo Extraction Plate Time	135	25	1/7/2011	Holes in extraction plate, shut down to change	5/22/2011
Turbo Rotor Time	135	25	1/7/2011	Date updated by jbrahs	5/22/2011
Filler North Primary Screen Basket Time	360	4	2/24/2010	From the Secondary	1/22/2012
Filler South Primary Screen Basket Time	360	24	1/6/2011	Date updated by jbrahs	1/2/2012
Filler Secondary Screen Basket Time	360	189	6/15/2010	Date updated by nlarson	7/21/2011
Filler Tertiary Screen Basket Time	270	85	11/3/2010	Date updated by nlarson	8/5/2011
Liner Pulper Extraction Plate Time	360	114	10/5/2010	Date updated by jbrahs	10/5/2011
Liner Pulper Rotor Time	360	114	10/5/2010	Date updated by jbrahs	10/5/2011
Liner Barrier Screen Basket Time	360	187	7/20/2010	Date updated by jbrahs	7/23/2011
Liner Primary Screen Basket Time	360	272	4/26/2010	Date updated by jbrahs	4/30/2011
Liner Secondary Screen Basket Time	360	318	3/10/2010	Date updated by JBrahs	3/15/2011
Hydrapurge Extraction Plate Time	180	90	10/29/2010	Date updated by jbrahs	5/1/2011
Hydrapurge Rotor Time	180	90	10/29/2010	Date updated by jbrahs	5/1/2011

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Amonix Remote Asset Monitoring

- Needed to monitor performance of remote equipment, starting with nothing
- Wanted an easy, low cost data system
  - Low Cost of maintenance
  - Easy to maintain from Remote (unmanned) locations
  - Full end-to-end system

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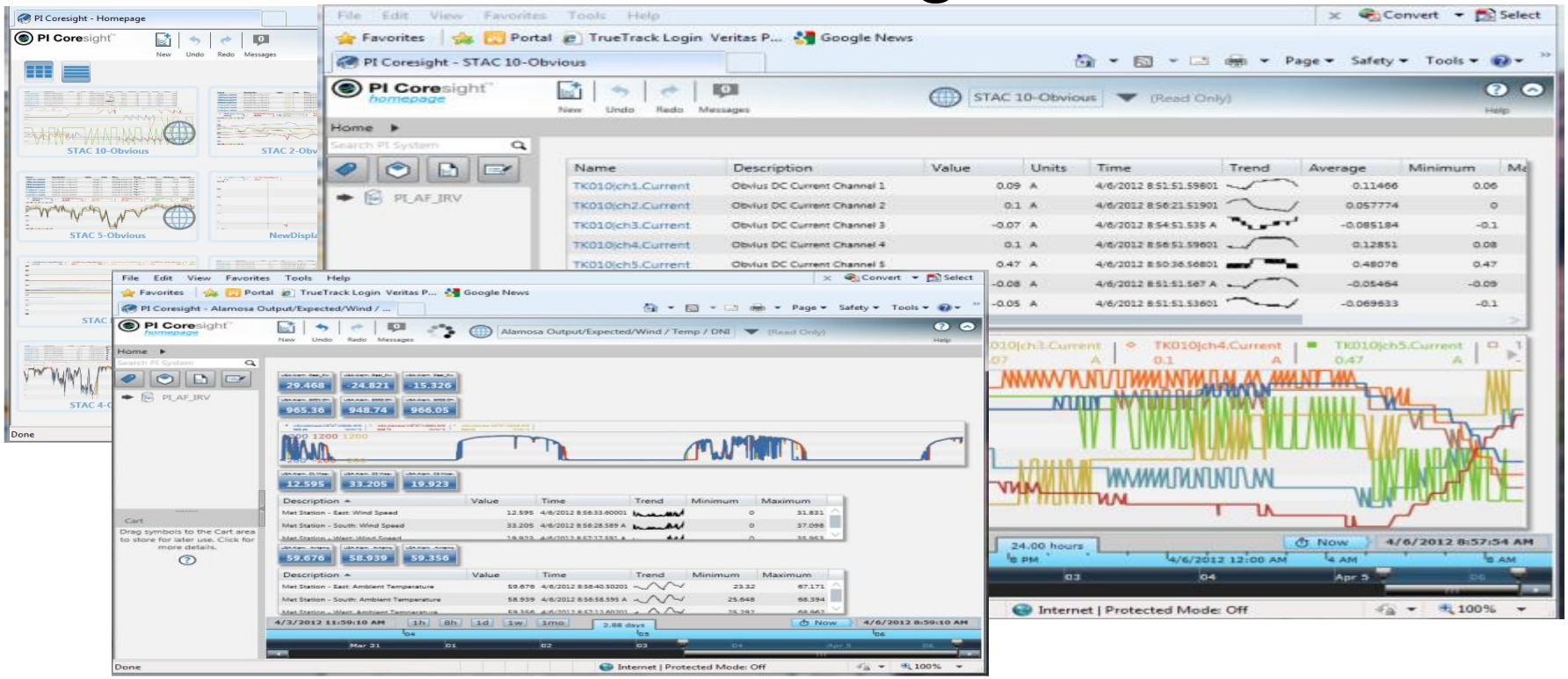
Amonix Field monitoring



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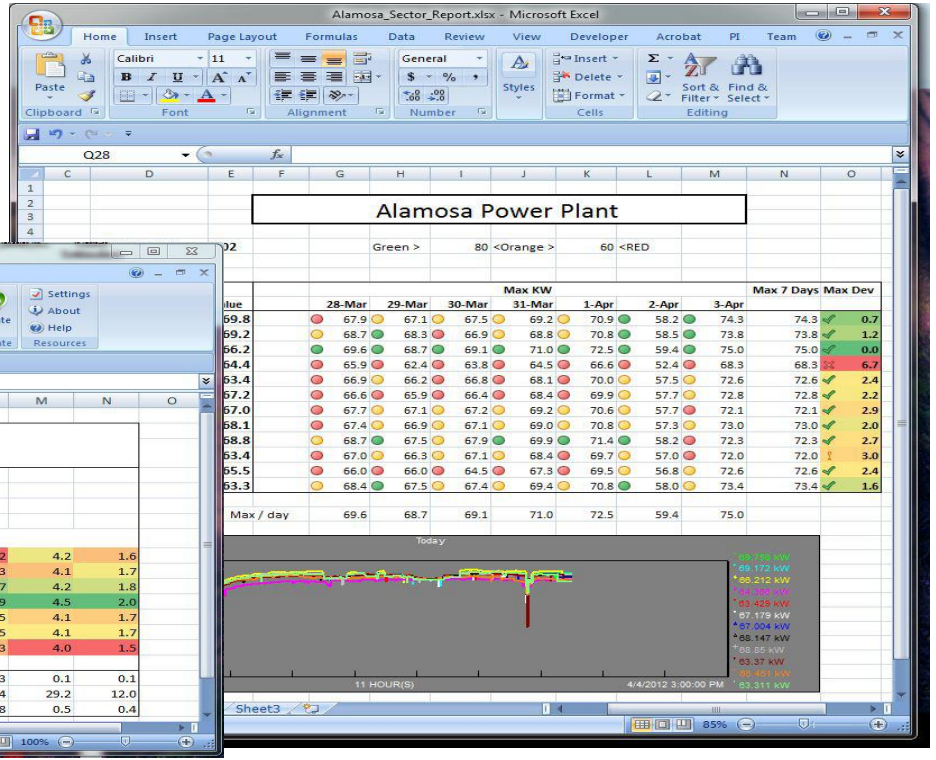
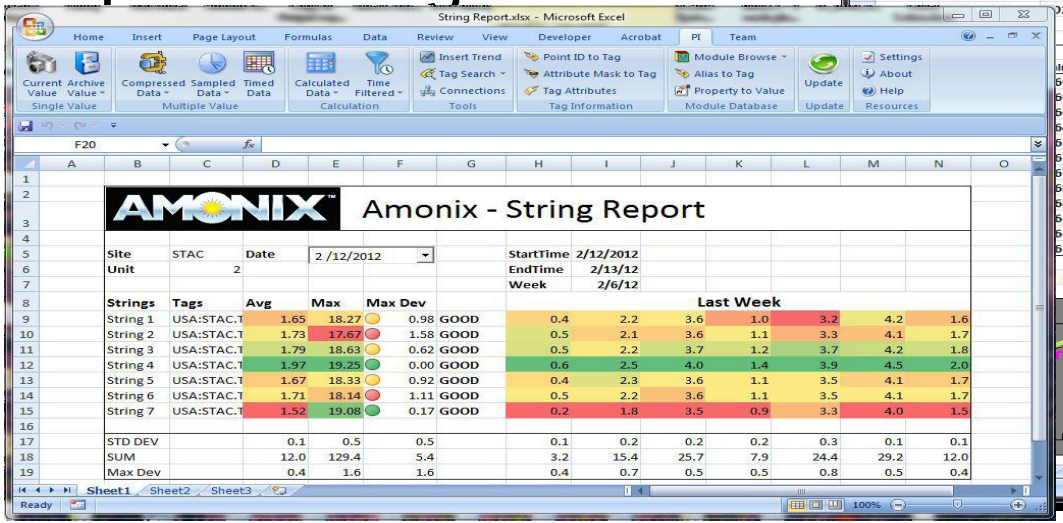
Amonix Standard Reporting

- Engineers
- Project Managers





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Amonix Expertise

- New to the PI System
- No formal training
- Made use of YouTube learning channel

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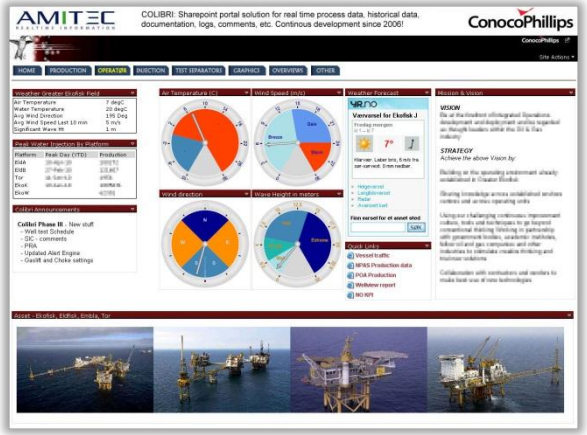
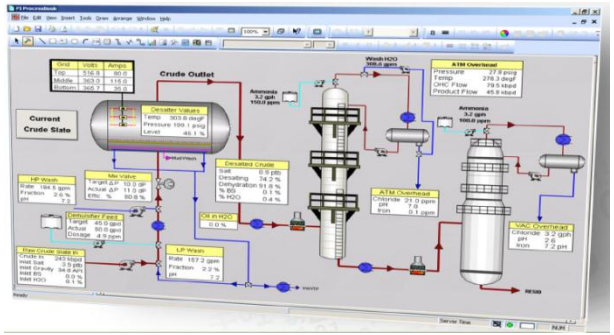
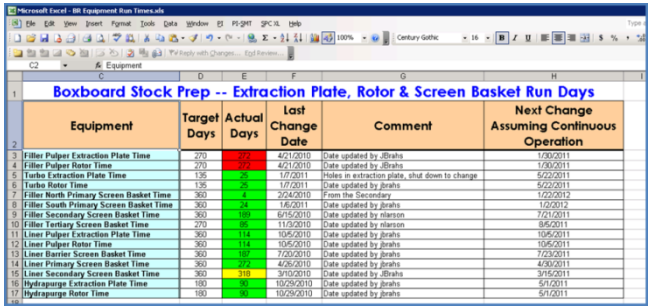
Pick the Tool that Best Suits







Boxboard Stock Prep -- Extraction Plate, Rotor & Screen Basket Run Days

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PI WebParts

- You have a SharePoint environment and want to make use of its support by IT
- Your users need to see a collection of information from different sources, including the PI System
- Your users don’t want to build new displays
- You want to provide navigation that guides different audiences to the content they need

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PI ProcessBook

- Your users want to build their own graphical displays

  Or

  – You have a group that builds displays for others
- Your users need to monitor how the process is progressing
- Your users need customized behavior or layout

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PI DataLink

- Your users expect to work with numbers
- Your users want to build their own reports
- Your users are comfortable with Excel
- Your users want Excel charts

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PLEASE **PAUSE** FOR **DEMO**

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PI Coresight

- Your users need to explore data quickly or look at quick displays built by others
- Your users don’t want to install anything
- You have no SharePoint environment

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PLEASE **PAUSE** FOR **DEMO**

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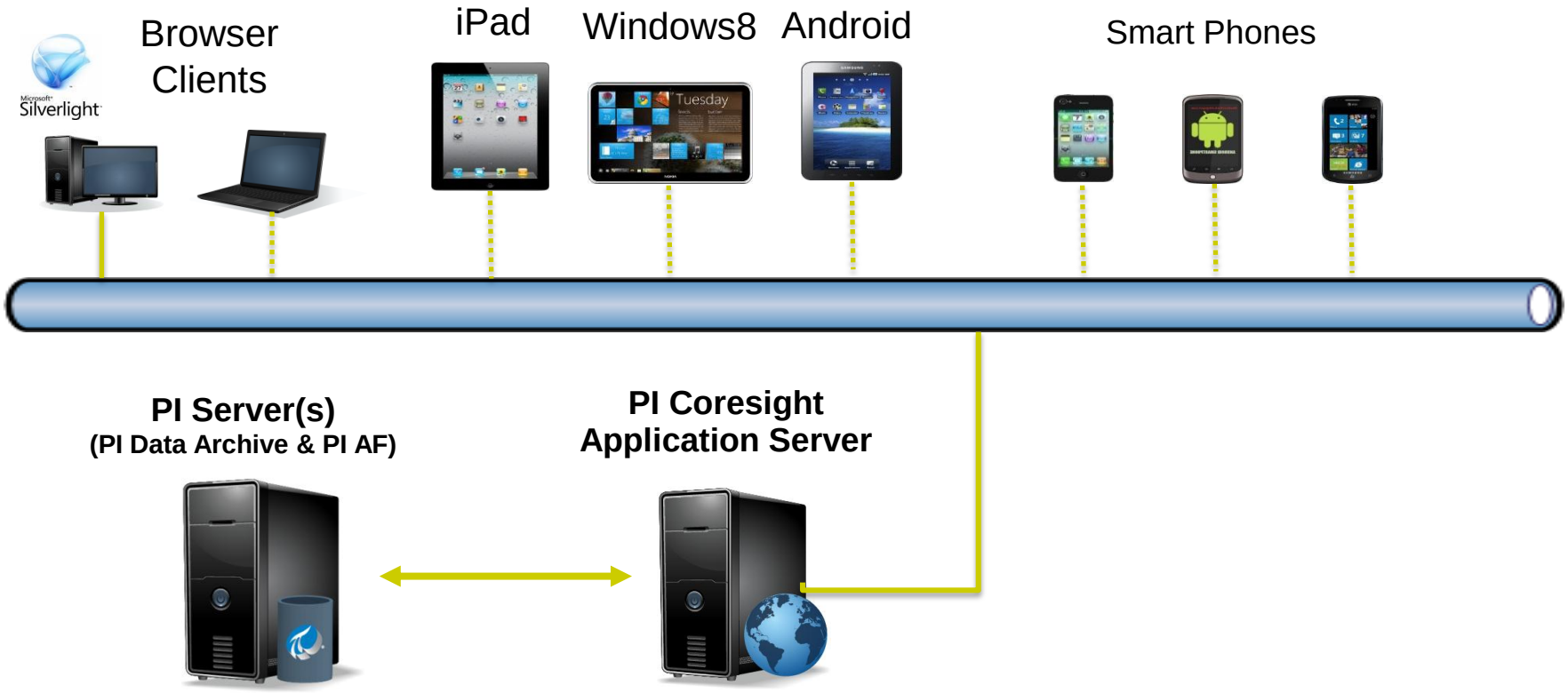
PI Coresight with Mobile Clients



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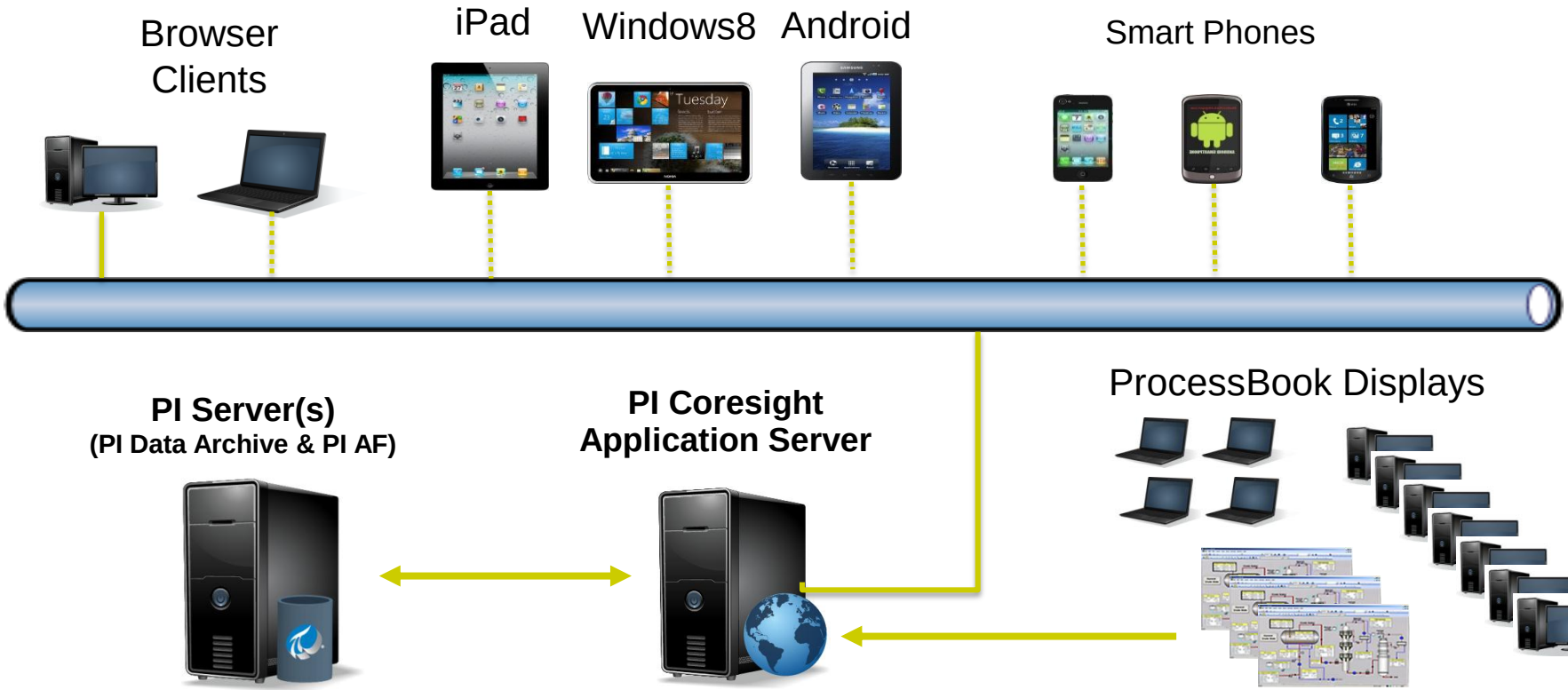
PI Coresight – ProcessBook Display Viewer



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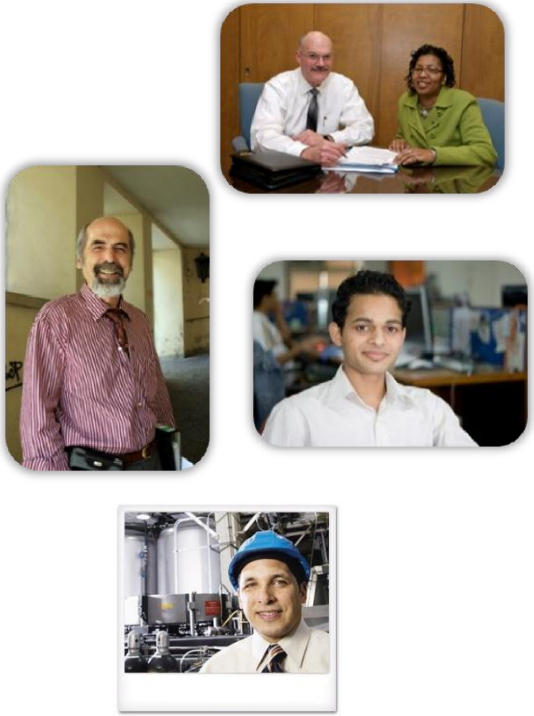
ProcessBook Display Viewer– Target Audience

- Plant / Operations Management
  - See overview of how plant/utility is running
  - Failures, Efficiency, KPIs, Actual vs Forecast
- Process Engineers / Corporate Planners
  - View operator screens away from plant
  - Use troubleshooting displays you already have
- Maintenance
  - Troubleshooting
  - Calibration
- Anyone who needs to see existing displays!



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THANK YOU

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