4TH ANNUAL
CONNECTED PLANT
CONFERENCE
Harnessing Digital Tools to Drive Success
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Presented by: POWER ENGINEERING
Host Company: Georgia Pacific

connectedplantconference.com
Interactive Calculation and Visualization for Flexible Analysis

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Typical M&D Tool Stack

• Automatic Pattern Recognition (APR, e.g. PRiSM, Smart Signal, etc.)
• Dashboards (e.g. Tableau, PI ProcessBook)
• Specialized Tools (e.g. ETA Pro, Curtis-Wright, Insight CM, etc.)
• Time Series Data Plotting
• Calculation Engine (e.g. PI ACE, eDNA Calc)
• Spreadsheets
Interactive Displays for Troubleshooting

- Quickly investigate condition
- Develop analysis to detect
- Scale to other assets
Ad Hoc Analysis

• Plant reports unit tripped. Exhaust shaking during coast down. Why did it trip? Did the unit rub?
• Previously this had to be done in PRiSM transient module or in Excel.
Ad Hoc Analysis

- Easily identify and filter for past occurrences
Ad Hoc Analysis

• Overlay past event to compare
• Easily add or remove signals for troubleshooting
• Highlight particular events to distinguish from rest of the pack.
Complex Analysis

- Leverage easy interface and scalability to handle data prep
- Python integration for more complex analysis
- Dashboard/Reporting can be created for high level overview, but with the ability to drill down into more complex analysis
Complex Analysis
Thank you