

OSIsoft®

USERS²⁰¹¹ CONFERENCE



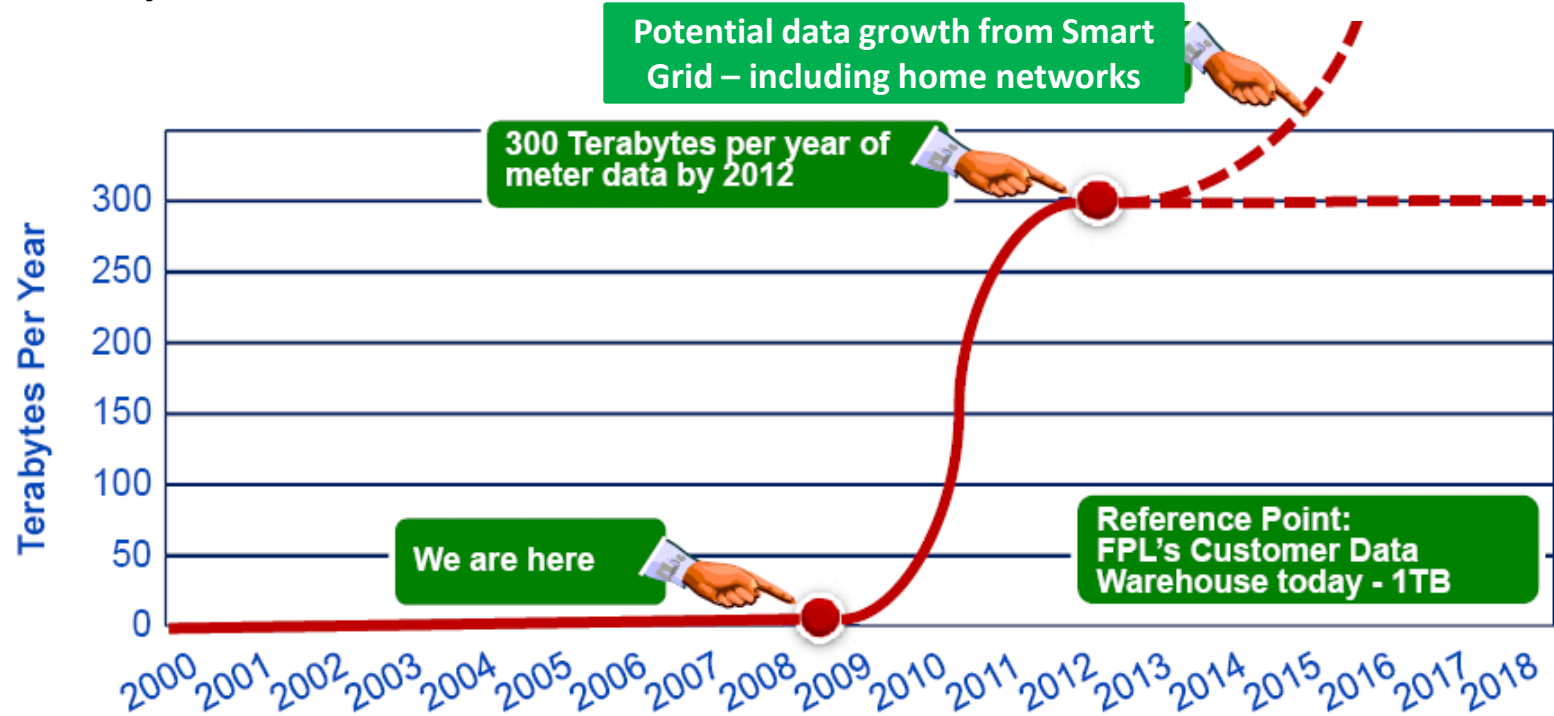
Turning **insight** into **action**.



Energy Strategies of the Future

Presented by **Dr. J. Patrick Kennedy**, CEO and Founder, OSIsoft

Data, Data, and More Data

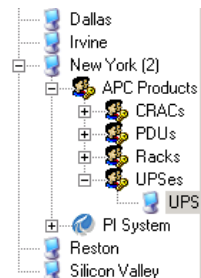


AMI and Smart Grid will increase the amount of measurement and control points far beyond anything we have today. How can we leverage this data to compete?

10 Min Average – Missing the events...

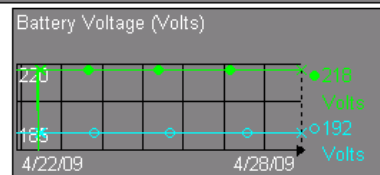
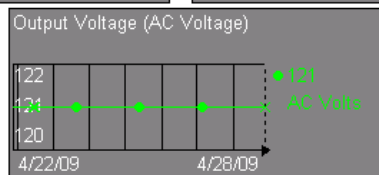
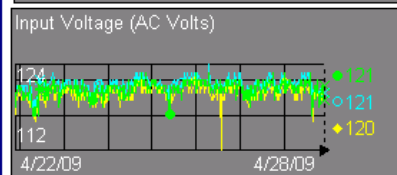
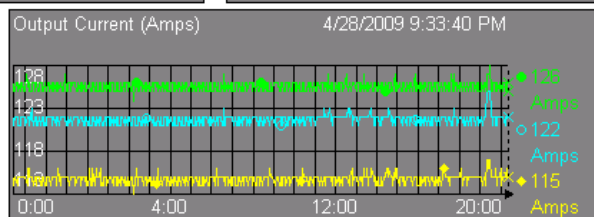
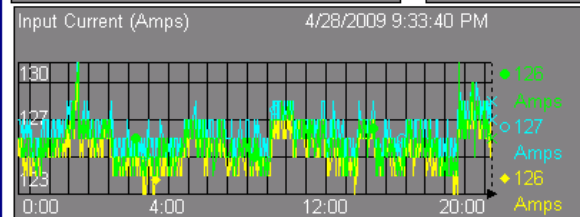
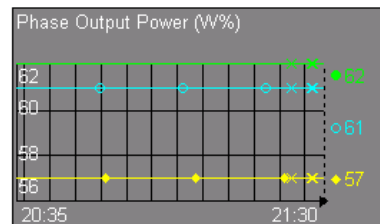
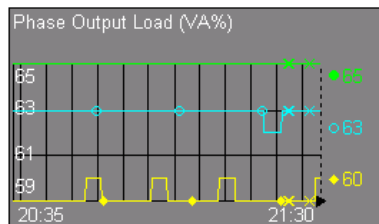
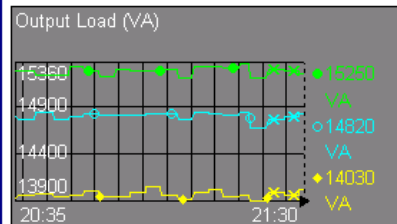


Trend in PI ProcessBook



● Basic Output Status: online	Power Supply2 Status: onOk	Battery Run Time Remaining: 78000
Last Transfer Reason: selfTest	Power Supply3 Status: onOk	Battery Replace Indicator: noBatteryNeedsReplacing
Total Output Load %: 65	Charger Status: onOk	Battery Last Replace Date: 05/23/07
Output Frequency: 60 Hz	SwitchGearStatus: OK	Battery Voltage: 218 Volts
		Battery Temperature: 33 C

Trends



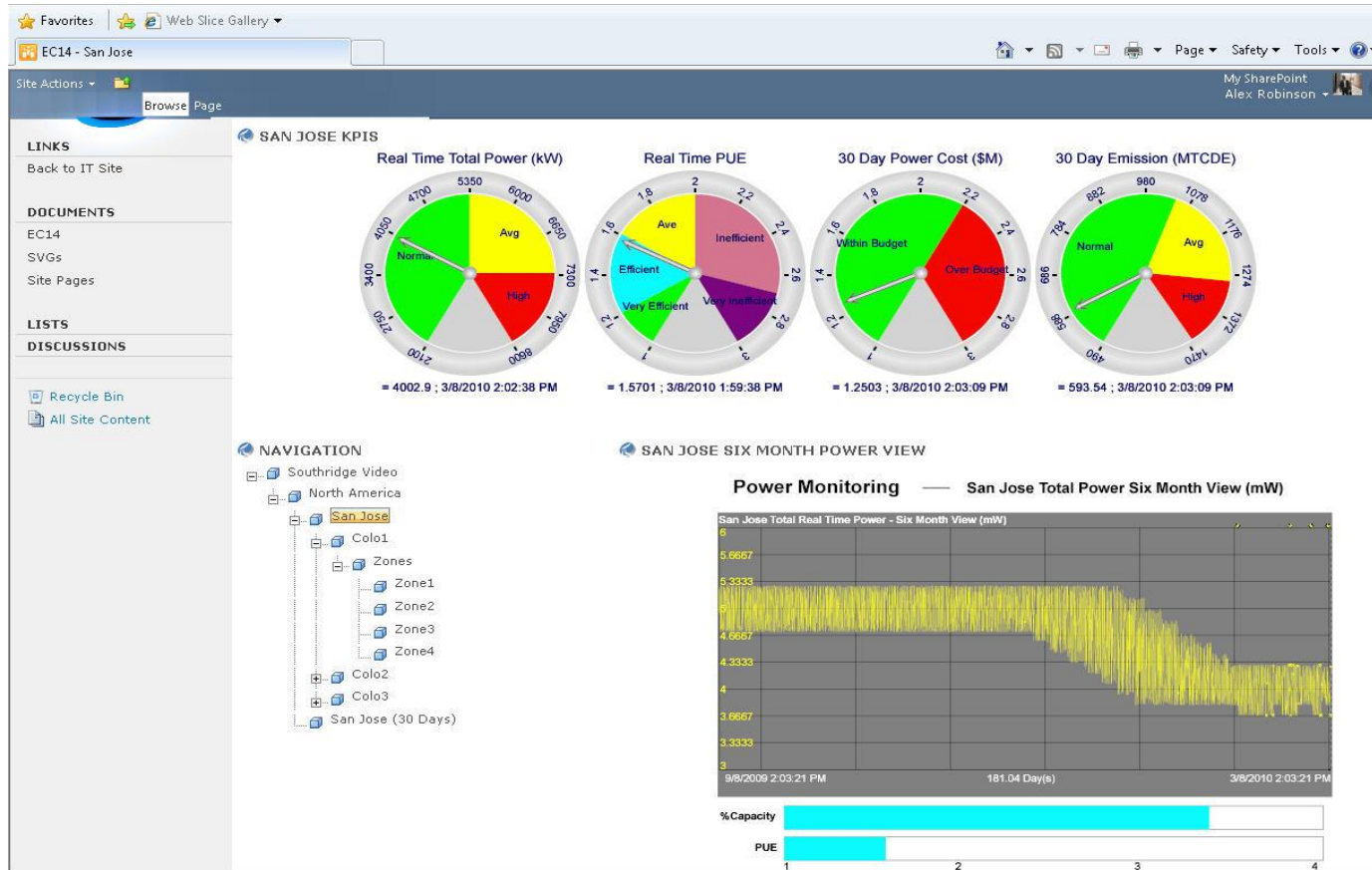
Switchgear Status

SwitchGear Input Switch Status: closed	SwitchGear Output Switch Status: closed	SwitchGear Bypass Switch Status: opened
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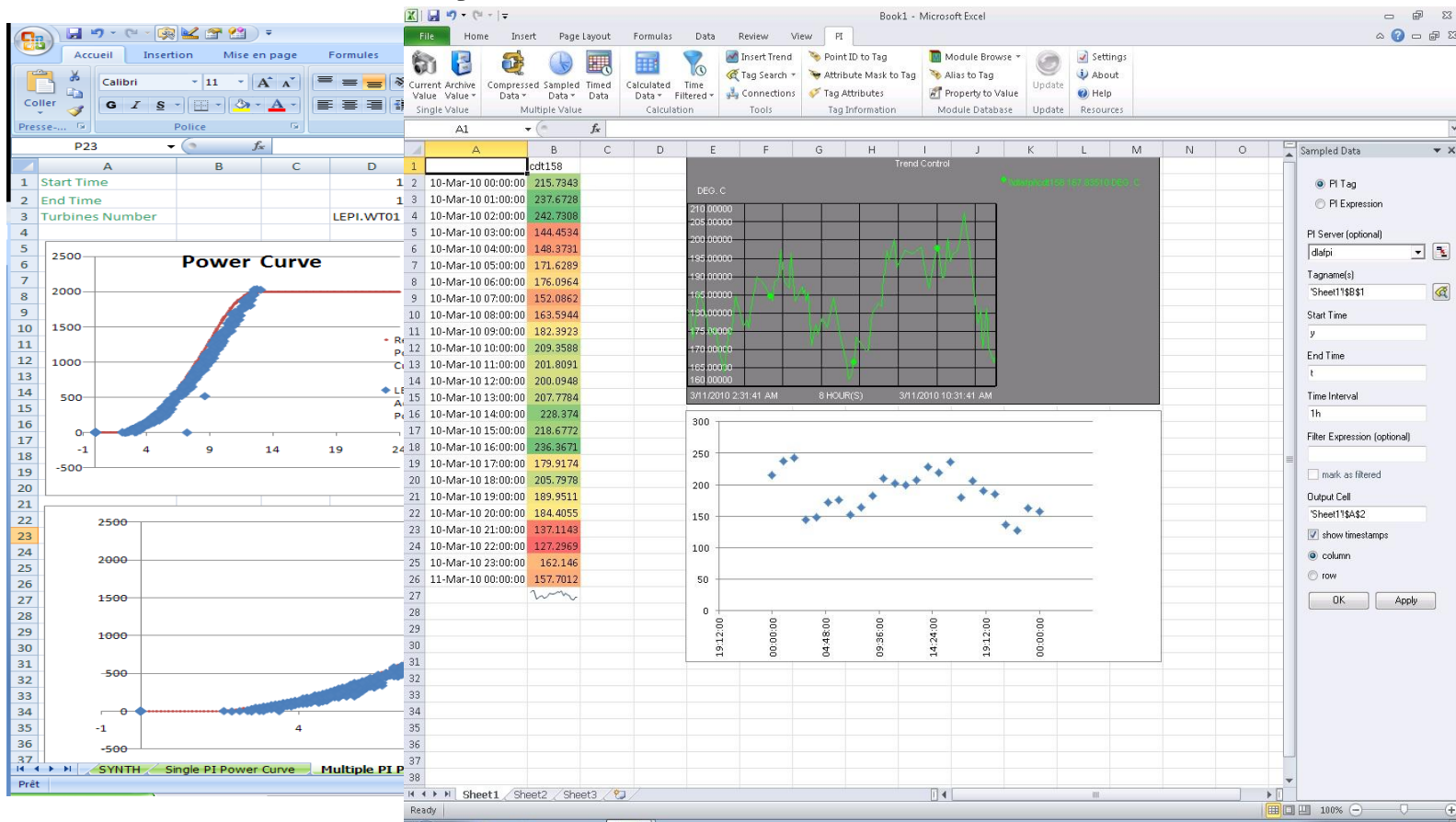
Legend

- Not Configured
- Unknown
- Not Installed
- OK

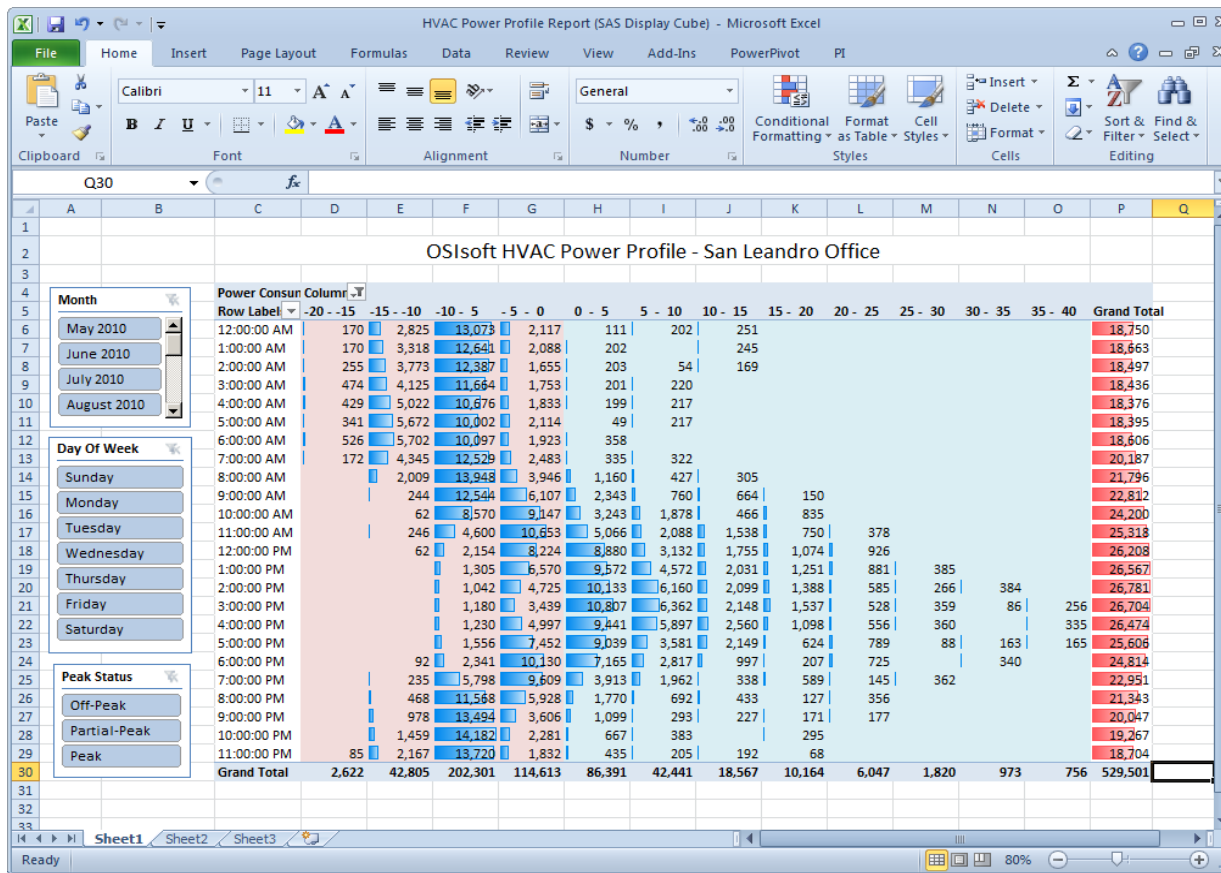
Trend in SharePoint



Trend in Excel Analysis

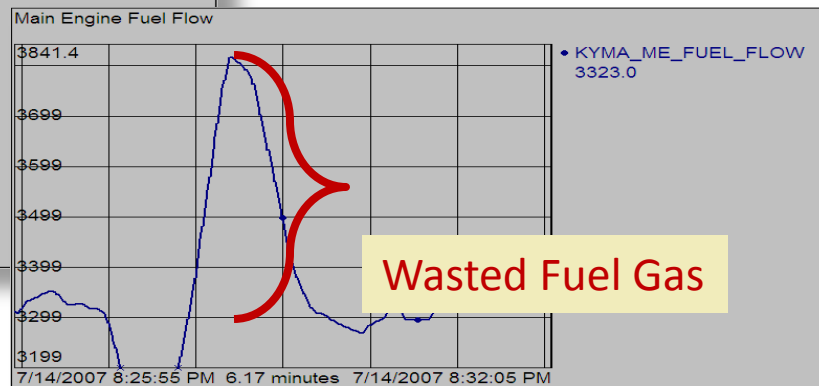
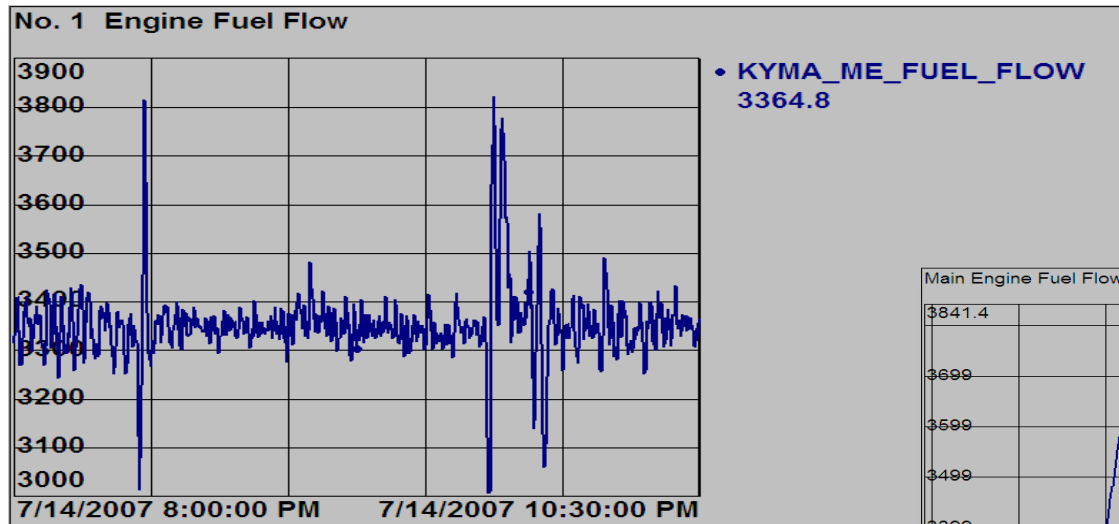


Power Profile Report Insight with PowerPivot



\$93,000 Trend

Fuel flow spikes discovered costing \$93,000 per year



Trend with Context and Notification (Microsoft Lync)

The screenshot displays the Microsoft Lync application window titled "PI Notifications IM Service - \\SL3ITPIAF01\IT\Sites Depository\OAK\Servers\Daredevil\Notifications[Dis...". The interface is divided into several sections:

- Contact List:** Shows "Daniel Thompson" and "PI Notifications IM Service".
- Message History:** Contains a warning message: "OSIsoft PI Notifications IM Service uses caution whenever clicking on hyperlinks. Only do so if the link is from a trusted source, you are expecting it in the context of your IM conversation, and you have verified its legitimacy with the sender!". Below this is a notification event: "Name: Disk Space Low on Daredevil, Server: SL3ITPIAF01, Database: IT, Start Time: 10/19/2009 1:20:34 PM, Trigger Time: 10/19/2009 1:20:34 PM, Target: \\SL3ITPIAF01\IT\Sites Depository\OAK\Servers\Daredevil".
- Trend Plot:** A line graph titled "Plot0" showing "% Free Space is the ratio of the free sp...". The y-axis ranges from 45 to 95. The plot shows a green line with data points. The legend indicates "System Light... 95 %".
- Context Menu:** A pop-up menu is visible over the trend plot, showing "PI Notifications" and "Reactor Temperature: 49°C". It includes options to "Redirect" or "Ignore".

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into **action.**



Thank you

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