



# KPIs, Data and Events On Any Device

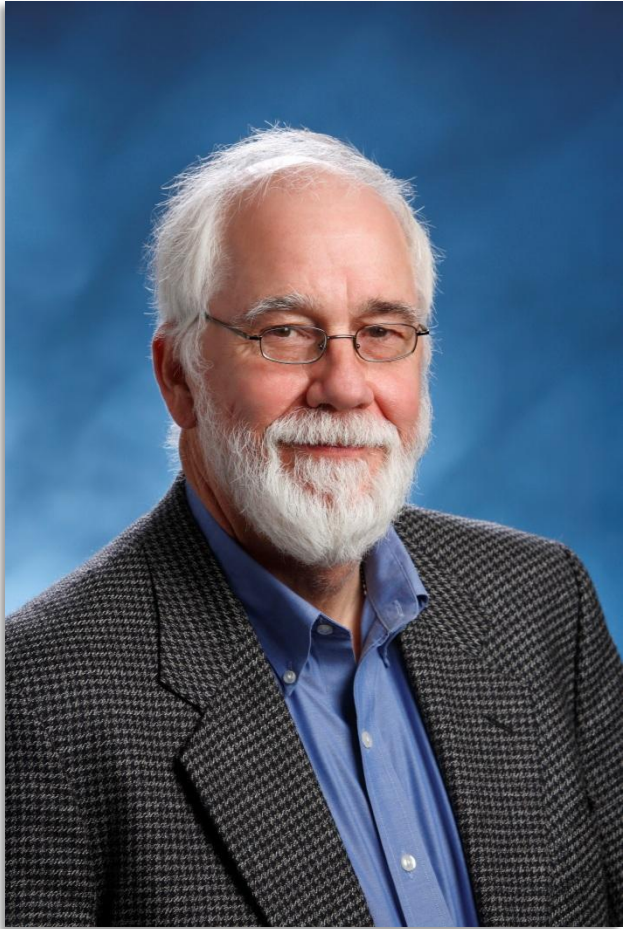
Presented by **Tracy Harper**  
**Exelon Generation**

# Agenda

- **Review of Agenda**
- **Webinar Series and Partner Solution Showcase**
- **Introductions**
- **Exelon Power**
- **Transpara & Visual KPI**
- **Demonstration**
- **Questions**
- **Conclusions and Thank You!**



# Mission



**“Our mission is to maximize the value our customers get from our product and services”**



# OSIsoft Partner Solution Showcase

- Find software solutions from OSIsoft partners with specific industry and domain expertise.
- <http://partners.osisoft.com/solutions>



*pss@osisoft.com*

eliminating any threats or cyber-attack originating from external networks.

By Waterfall Security Solutions LTD April, 10, 2012 ☆☆☆☆☆ (0)

## Sigmafine

Sigmafine is an open, configurable platform that allows the user to model a plant or a process to perform data reconciliation and validation based on a mass, volume, component or energy balances.



By Pimsoft Inc April, 10, 2012 ☆☆☆☆☆ (0)

## Process Plugins

Process Plugins solutions customize the OSIsoft® infrastructure for industry applications, and formulations are designed to reside entirely in PI Asset Framework™ (PI AF). Users can view, modify, or enhance formulations. Most formulas are designed to be calculated directly in PI AF. The Process Plugins library includes additional functions that are handled by the Process Plugins Windows service, using PI SDK®.



By Process Innovations Inc April, 07, 2012 ☆☆☆☆☆ (0)

# Presenters

- **Tracy Harper– Engineering & Support Services**

Exelon Power

Office: +1-410-470-0307

Email: [tracy.harper@exeloncorp.com](mailto:tracy.harper@exeloncorp.com)

- **Michael Saucier – Founder & CEO**

Transpara

Office: +1-925-218-6983

Email: [Michael.Saucier@transpara.com](mailto:Michael.Saucier@transpara.com)

- **Robert Hylton – VP, Marketing**

Transpara

Office: +41 78 936 4888

Email: [Robert.Hylton@transpara.com](mailto:Robert.Hylton@transpara.com)

- **Erika Ferguson - Partner Manager, Americas**

OSIsoft, LLC

Mobile: +1-510-604- 9053

Email: [eferguson@osisoft.com](mailto:eferguson@osisoft.com)



Headquartered in Chicago, Exelon has operations and business activities in 47 states, the District of Columbia and Canada. The company is the largest competitive U.S. power generator, with approximately 35,000 megawatts of owned capacity comprising one of the nation's cleanest and lowest-cost power generation fleets.

**Exelon Nuclear** - the largest fleet of nuclear power plants in the nation and the third largest fleet in the world.

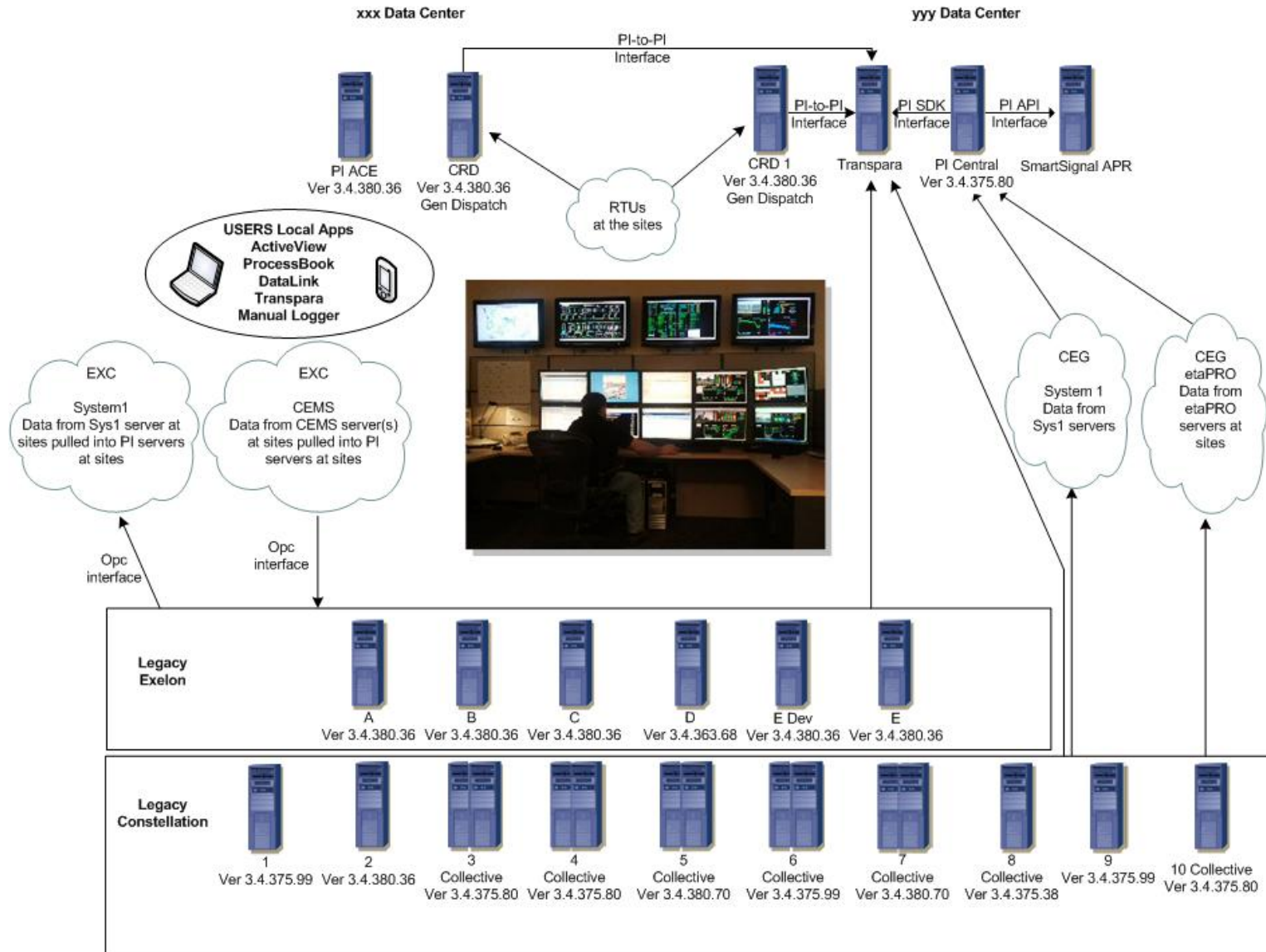
**Exelon Power** - fossil (coal, oil, and natural gas), renewable (landfill gas, wind and solar) and hydroelectric. Provides over 15,000 MW of safe, efficient and environmentally responsible baseload, intermediate and peak power generation.





# PI System at Exelon









# Transpara Visual KPI



- Founded in 2005
- Product: Visual KPI
- Focused on easily bringing operational KPIs, notifications and analytics to any device
- Deep PI System expertise
- Customers in all major regions



# VisualKPI

Transpara™  
NOW YOU KNOW.

- Monitoring, alerts and analytics on any smartphone, tablet or browser
- KPIs, groups, alerts, values, trends, tables, links
- GIS Mapping & GPS integration
- Deep PI System and PI AF integration + other data sources
- Deploys in less than 2 hours; changes made in just minutes



OSIsoft.

Empowering Business in Real-time.

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# Visual KPI at Exelon

**How did we find Visual KPI?**

**Why did we need it?**

**Where do we use it?**

# Top-Level Execs



E.g. President of Power Generation

Fleet performance monitoring:

- Is it running?
- Is it running at target?
- Who is accountable?
- Is it on track (cost-wise)?

Value:

- It's in their hands at all times
- KPIs – good vs. bad at a glance
- Proactive notifications
- No training required
- “If only I had...” solved in minutes





## Executive VPs

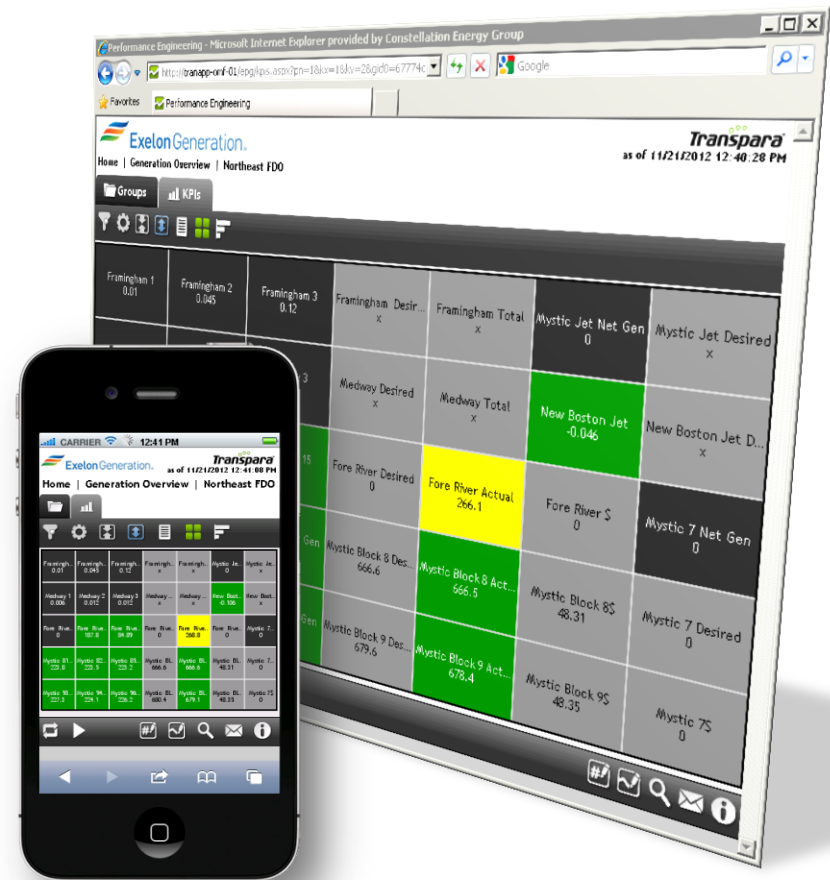


## Uses / Pain:

- Cost monitoring dashboards
- Reports used to take weeks
- Had to ask the 'data' people to get a report run

Value:

- Flexibility / live data
- “If only I had...” solved in minutes
- KPIs – good vs. bad at a glance
- Proactive notifications
- It’s in their hands at all times
- No training required





# Engineers



## Uses:

- Vibration analysis
- PI System + SmartSignal
- Tech Toolbox
- Monitoring plant conditions during testing

## Value:

- Multiple data sources
- Prototyping & experimentation without writing code
- KPIs – good vs. bad at a glance
- Rapid setup and changes



# The IT Group

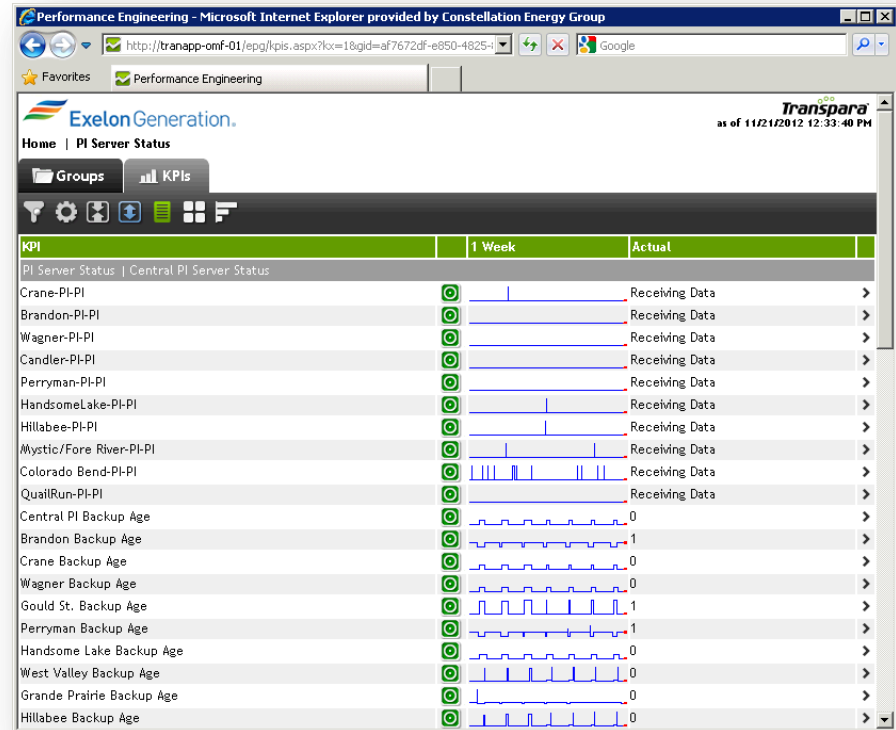


## Uses:

- Backup tracking
- Interface monitoring
- Plant PI interface monitoring
- Central PI-to-PI monitoring
- SmartSignal data collection monitoring (SQL)

## Value:

- KPIs – good vs. bad at a glance
- Proactive notifications
- It's in their hands at all times
- Rapid setup and changes





# Demo: Visual KPI at Exelon Generation

# ROI from Visual KPI at Exelon

Benefit	Savings
Early detection of events	\$\$
Instant situational awareness	\$\$
Reduced executive reporting burden	\$\$
Speed of decision-making	\$\$
Reduced downtime	\$\$
Improved productivity	\$\$
Access to limited subject matter experts	\$\$
<b>Total</b>	<b>\$\$\$</b>



*"By allowing us to repurpose existing data across the entire organization, Visual KPI has become a valuable business analytics tool that's an extension of the control room.*

*When members of the executive staff check Visual KPI before doing anything else in the morning, you know it's a must have tool!"*

*- Steve Noel, Director of IT*

# Questions?

# Contacts – Follow up

## Interest in Transpara's Visual KPI?

### Michael Saucier – CEO

Transpara

Office: +1-925-218-6983

Email: [michael.Saucier@transpara.com](mailto:michael.Saucier@transpara.com)

### Robert Hylton– VP, Marketing

Transpara

Office: +41 78 936 4888

Email: [robert.hylton@transpara.com](mailto:robert.hylton@transpara.com)

**For OSIsoft questions please contact your representative or**

### Erika Ferguson - Partner Manager, Americas

OSIsoft, LLC

Mobile: (510) 604- 9053

Email: [eferguson@osisoft.com](mailto:eferguson@osisoft.com)

# Webinars

**October 17** - Overall Equipment Effectiveness in the PI System Ecosystem - *recording available on-line*

**November 7** - Process Calculations and Characterization embedded in PI Asset Framework - *recording available on-line*

**December 5** - KPIs, Data and Events On Any Mobile Device

**More to follow** – Working on the schedule for 2013





# Thank you

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777 Davis St., San Leandro, CA 94577