

# OSIsoft 2014 Releases: Customer Perspectives

Presented by Ray Hall

## **Our Presenters**



## **Cyndi Bourne**

Specialist, PI CoE

## **Rhys Kirk**

Manager, Accenture



## **Charley Carpenter**

Automation Engineer

## **Patrick Harding**

Systems Analyst





Supervisor, Process Controls & Technology



## **Darrol Weiss**

Leader, Control Systems Services

# **OSIsoft Engineering Focus**

# Unleash Your Infrastructure

- Future Data
- PI Event Frames
- Asset Based Analytics

# The Power of Connection

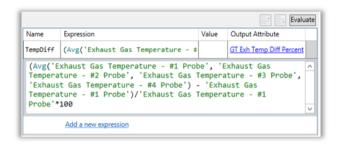
- PI Connectors
- PI Integrator for SAP
- PI Integrator for Esri
- PI Cloud Connect

# Information on the Spot

- PI Coresight Mobile
- PI Manual Logger
- ProcessBook Displays in PI Coresight

## **OSIsoft 2014 Releases: Customer Perspectives**

#### **Asset Based Analytics**



#### **PI Cloud Connect**



#### **PI Event Frames**



#### **ProcessBook Displays in PI Coresight**



# **Previewing Asset Based Analytics**





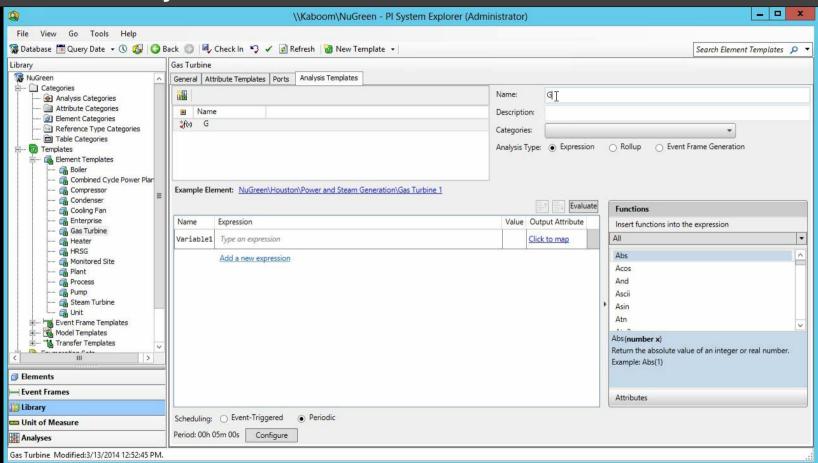




## **About Shell**



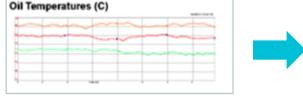
#### **Asset-based Analytics**



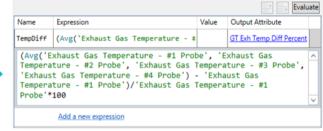
## **Asset Based Analytics**

Create Actionable Information from Raw Data Streams

#### **Your PI Data**

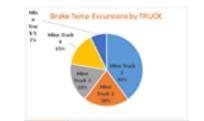


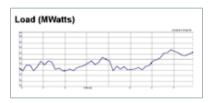
#### **Easy Calculation Interface**



- Auto-creates tags
- Equipment rollups
- Template based

# New Data Streams & Event Frames





# **Previewing Event Frames**









## Alcoa at a Glance



- Founded in 1888
- 200+ locations
- 30 countries
- \$23.7 billion revenue in 2012
- 61,000 employees
- 10 times safer workplace than US average
- Award-winning sustainability leadership
- 120 years of patents, including the original aluminum process

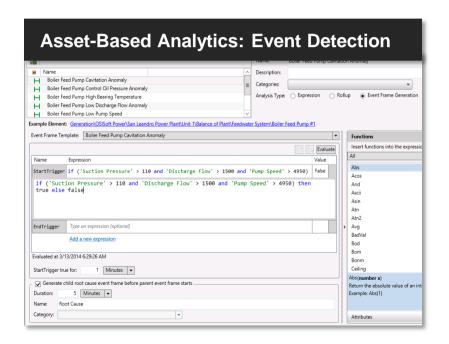


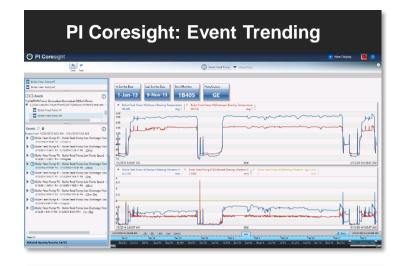
#### PI Event Frames

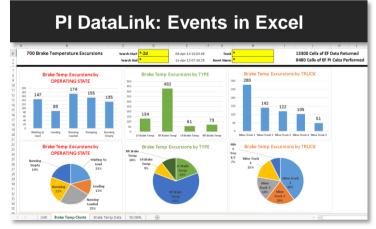


## PI Event Frames

Detect, Store and Analyze Actionable Information

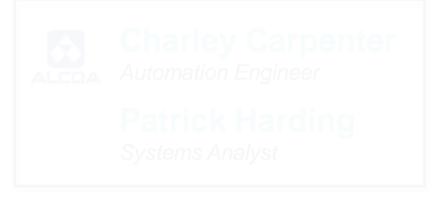






# **Previewing PI Cloud Connect**









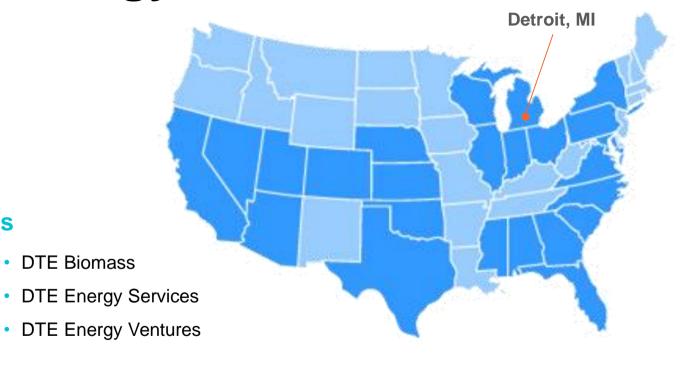
# **About DTE Energy**

#### **Utility Businesses**

- DTE Electric
- DTE Gas
- Citizens Gas Fuel

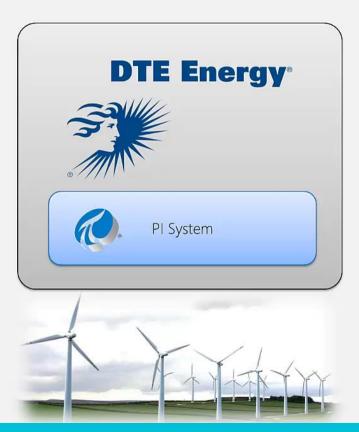
#### **Non-Utility Businesses**

- **DTE Coal Services**
- **DTE Rail Services**
- DTE Energy Trading
- DTE Gas Storage
- Midwest Energy Resources



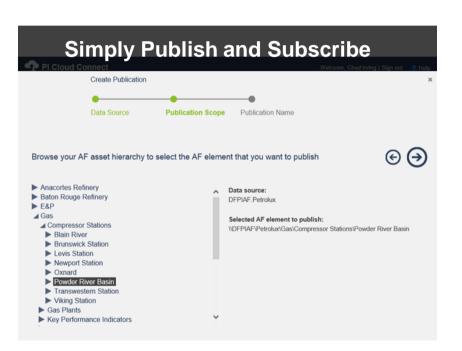
### **PI Cloud Connect**

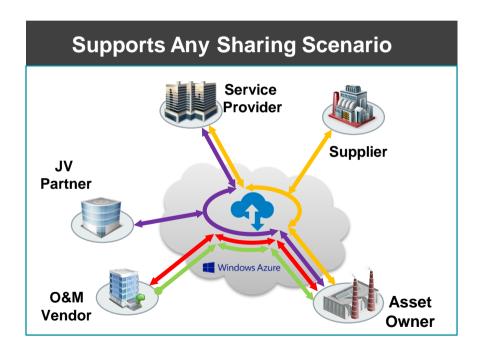




## PI Cloud Connect

Securely Share PI System Data Across Geographic & Organizational Boundaries





# **Previewing PI Coresight 2014**









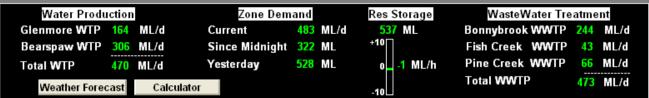
## City of Calgary Water Services

CALGARY WATER SERVICES

- at a Glance
- Calgary Population 1.2 million
- 2 Water Treatment Plants
- 3 Wastewater Treatment Plants
- 300 Field Services RTU's
- PI System Installed Pre-Y2K
- Collecting Data from DCS and SCADA (Currently over 150,000 Tags)
- Currently using:
  - PI Coresight
  - PI DataLink
  - PI ProcessBook



#### Water Services Pl Menu



#### Water Treatment Facilities

#### Plant Performance Water Treatment Dashboard Plant Treatment Reports Supply and Demand Treatment Plant Facilities Bearspaw WTP Glenmore WTP Tranmission Facilities **Pump Stations** Reservoirs Maintenance Planning

Field Data Collection

Pump and Engine Run Time

#### Field Services Facilities



#### Wastewater Treatment Facilities



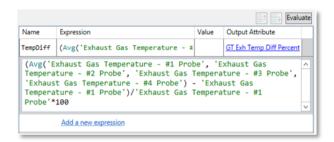
Process Optimization **Electrical & Instrumentation** 

## PI Coresight 2014



## **OSIsoft 2014 Releases: Customer Perspectives**

#### **Asset Based Analytics**



#### **PI Cloud Connect**



#### **PI Event Frames**

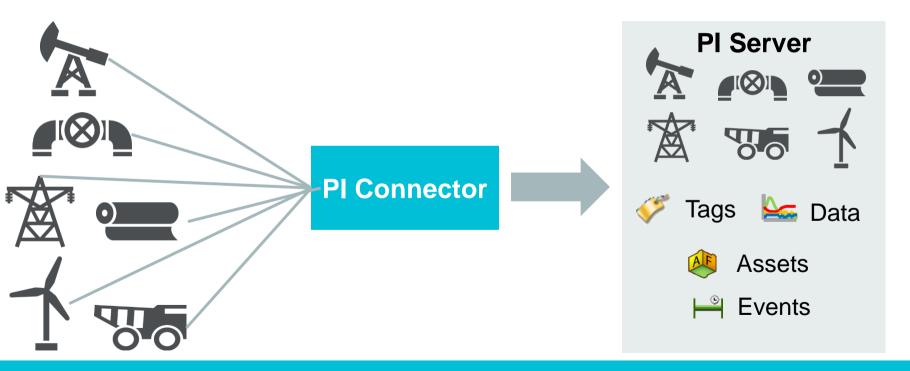


#### **ProcessBook Displays in PI Coresight**



## PI Connectors

Automatically create and maintain tags, assets, data and events



# PI Manual Logger Mobile

## Tour-based manual data collection using modern devices

- Collect data from field equipment with a mobile device
- Use barcode/RFID to identify tags and enter data
- Upload data wirelessly or by cradling the device







# PI Coresight Mobile

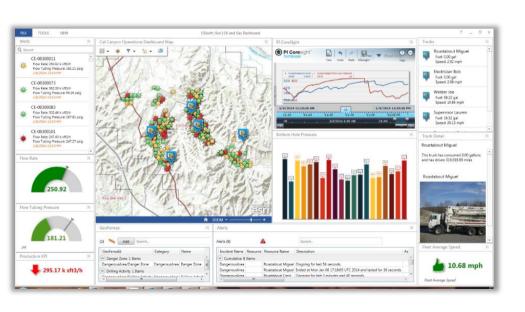
## Quickly Find and Use PI Data using Small Form Factor Devices

- Designed for small screens and accessible on any device
- Leverage your existing investment with PI ProcessBook displays
- Fast and easy access to PI System data



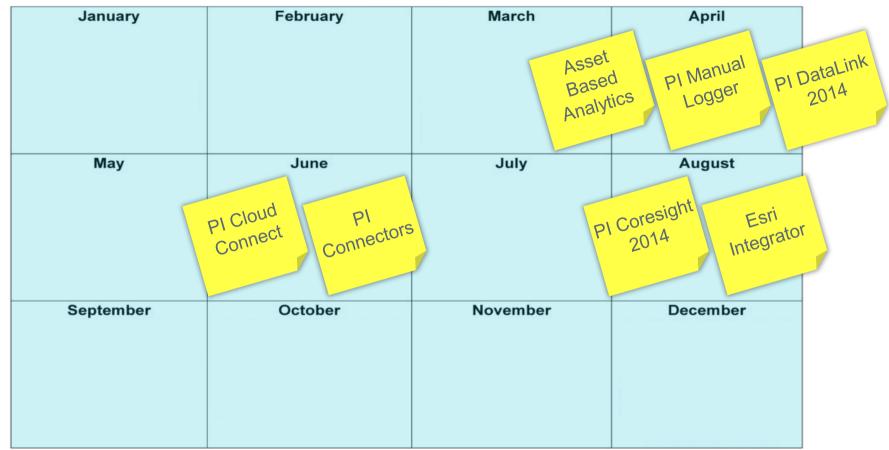
# PI Integrator for Esri ArcGIS

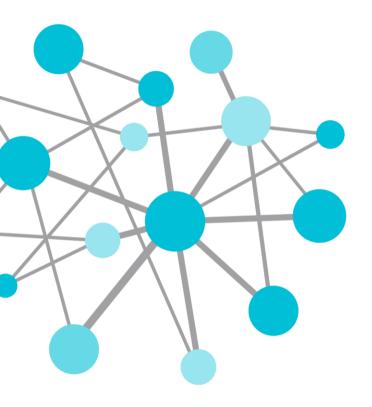
Overlay Assets and Real-time Information onto Esri Maps



- Overview of your PI System assets using Esri maps
- Esri maps become live with PI System data
- Drill into asset data using PI Coresight
- Import Esri ArcGIS assets into PI AF

#### 2014





# THANK MAN



# Ray Hall

rhall@osisoft.com

VP, Development

OSIsoft, LLC