OSIsoft®

USER CONFERENCE

2008

AMSTERDAM

Empowering Business in **Real Time.**

PI Infrastructure for the Enterprise.

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OSIsoft Virtual Campus and the Microsoft | OSIsoft Alliance

Steve Pilon
David Doll

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Agenda

- OSIsoft Virtual Campus
  - The Situation
  - The Need
  - Our Current Offering
  - Our Answer
- OSIsoft | Microsoft Alliance
  - Benefits of Our Work Together
  - Building Dynamic Office Business Applications

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The Situation

OSIsoft

Partners

Customers

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The Need

Data

Access

PI SYSTEM

- More & Better Applications
  - Domain-Specific
  - Industry-Specific
  - Customer-Specific
- More & Better Integration
  - MOSS
  - LOBs (ERP, CRM, etc.)

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Our Current Offering – Data Access

1980's	• PI Toolkit (VMS) • PINet
1993+	• PI API, ODBC
1998+	• PISDK, OLEDB
2002-2006	• PI DAP (API, SDK, ODBC, OLEDB)
2006+	• PI DA Module (ODBC, OLEDB, OF

Our Current Offering - Communication

- **End-User** Support:
  - Great support, lots of documents and articles

- **Development** Support:
  - Small number of programming-related documents/articles

- **End-User** Collaboration/Community:
  - SIGs and webinars

- **Development** Collaboration/Community:
  - Nothing so far

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Our Answer: Virtual Campus

- New **subscription**-based offering from OSIsoft
  - Online
  - **Community**-oriented
  - Rich in **resources**

- Provide everything necessary to **build applications** on top of PI, with focus on **'doing it right'**
  - PI software for development
  - Architectural guidance
  - Support/Collaboration in various ways

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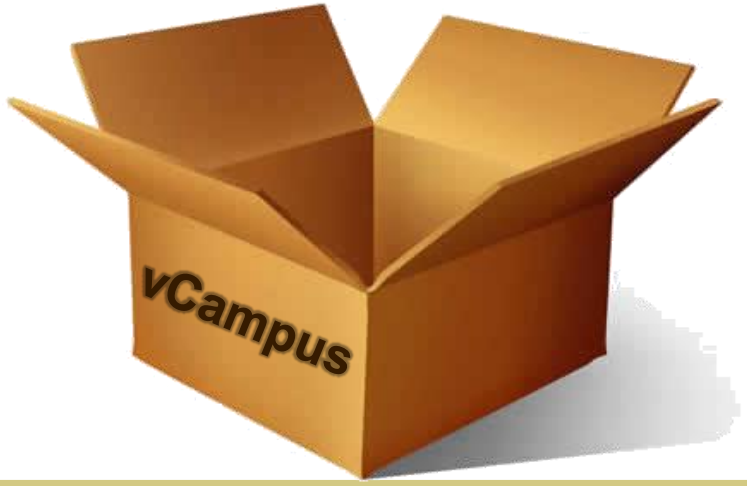
Virtual Campus Components

Servers
- PI Server
- AF Server
- Notifications Server
- ACE Server

Clients & Interfaces
- PI ProcessBook
- PI DataLink
- RtWebParts
- PItoPI Interface

Data Access
- PI SDK
- AF SDK
- PI OLEDB
- PI OPC

Online Resources
- Forums & Blogs
- Webinars
- Documentation
- Technical Articles
- Demos/Labs



Servers

- PI Server
- AF Server
- Notifications Server
- ACE Server

Resources

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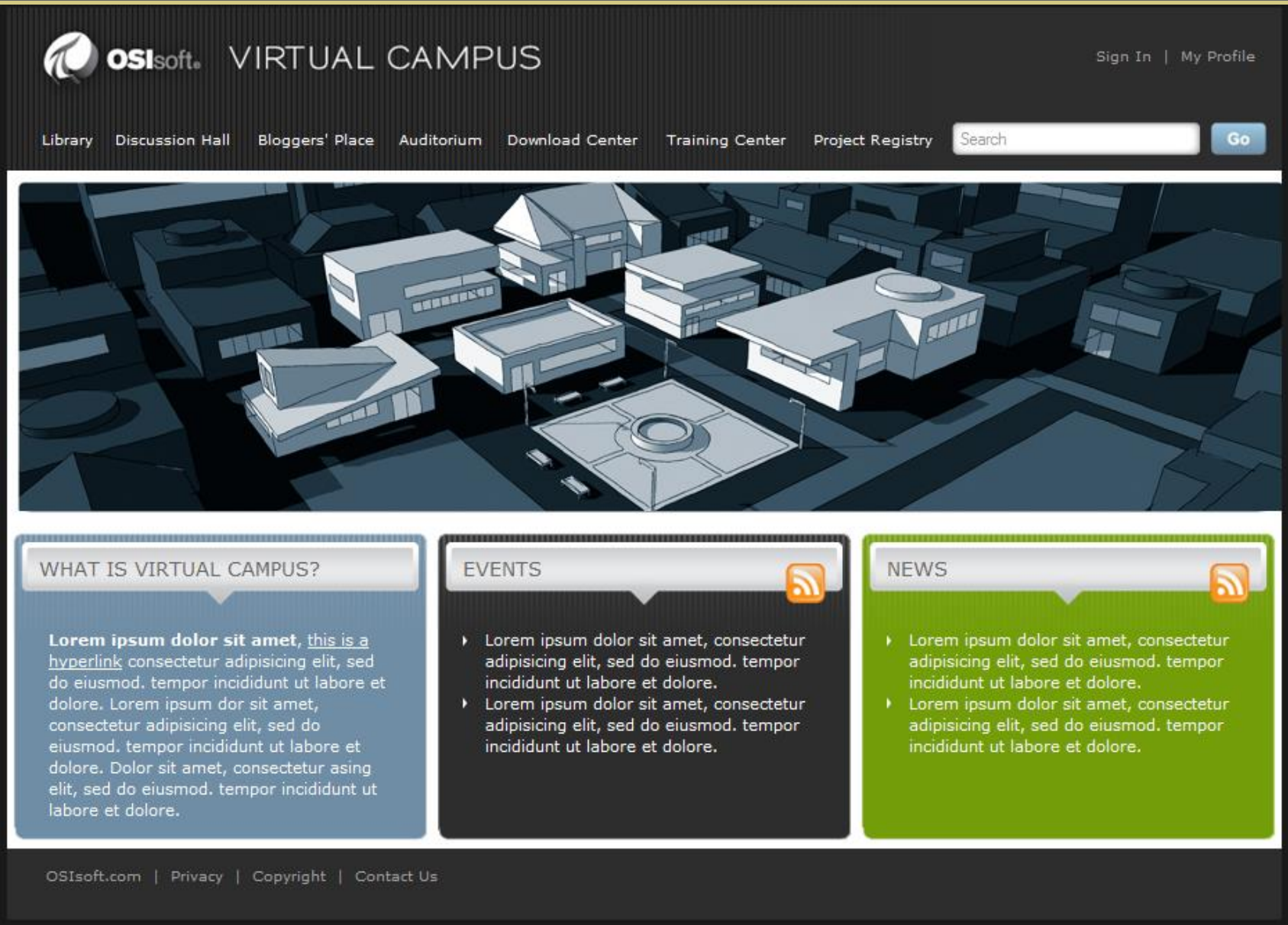
vCampus Website



vCampus "Facilities"

Library	• Online docs & Articles
Discussion Hall	• Discussion Forums
Bloggers' Place	• Blogs
Auditorium	• Webinars
Download Center	• Downloads
Training Center	• Virtual labs & training course
Project Registry	• Project-tracking portal

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Timeline & Call for action

- Today:
  - Come see the vCampus kiosk at the Product Expo
- November 16th, 2008
  - Open for registration!
    Start developing and collaborating
- 2009:
  - Introduction of exciting new features…
    Virtual Labs, Project Registry and more

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The Microsoft | OSIsoft Strategic Alliance

David Doll

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OSIsoft and Microsoft – Working Together

www.osisoft-microsoft.com

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Building On Your Existing Infrastructure

OSIsoft & Microsoft have forged a strong relationship to drive business value for joint customers, building on existing infrastructure

OSIsoft

- PI Infrastructure
- PI DataLink Client
- PI DataLink Server
- PI RtWebParts
- Dynamic OBA Accelerators

+

Microsoft

- Excel Services
- SharePoint Server 2007 Enterprise
- InfoPath Forms
- Office 2007
- SQL Server

=

BUSINESS VALUE

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Building Our Existing Ecosystem

- Mimicking Microsoft Partner Ecosystem
- Partners in the OSIsoft Ecosystem can utilize Virtual Campus and the OSIsoft-Microsoft alliance to build their future
- Materials available include:
  - Whitepapers
  - Technical documentation
  - Online demos
  - Access to experience

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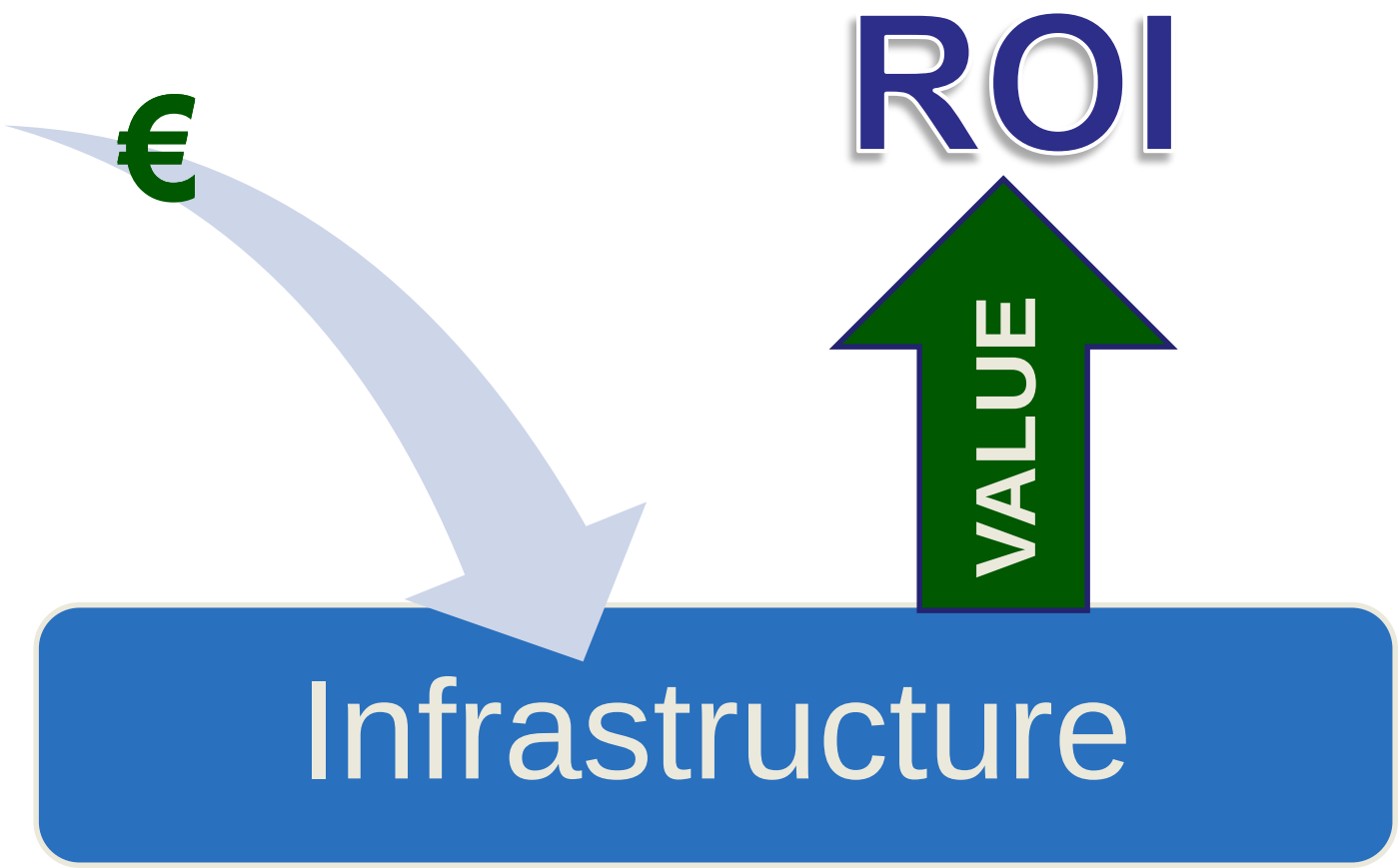
Replace Your Thinking



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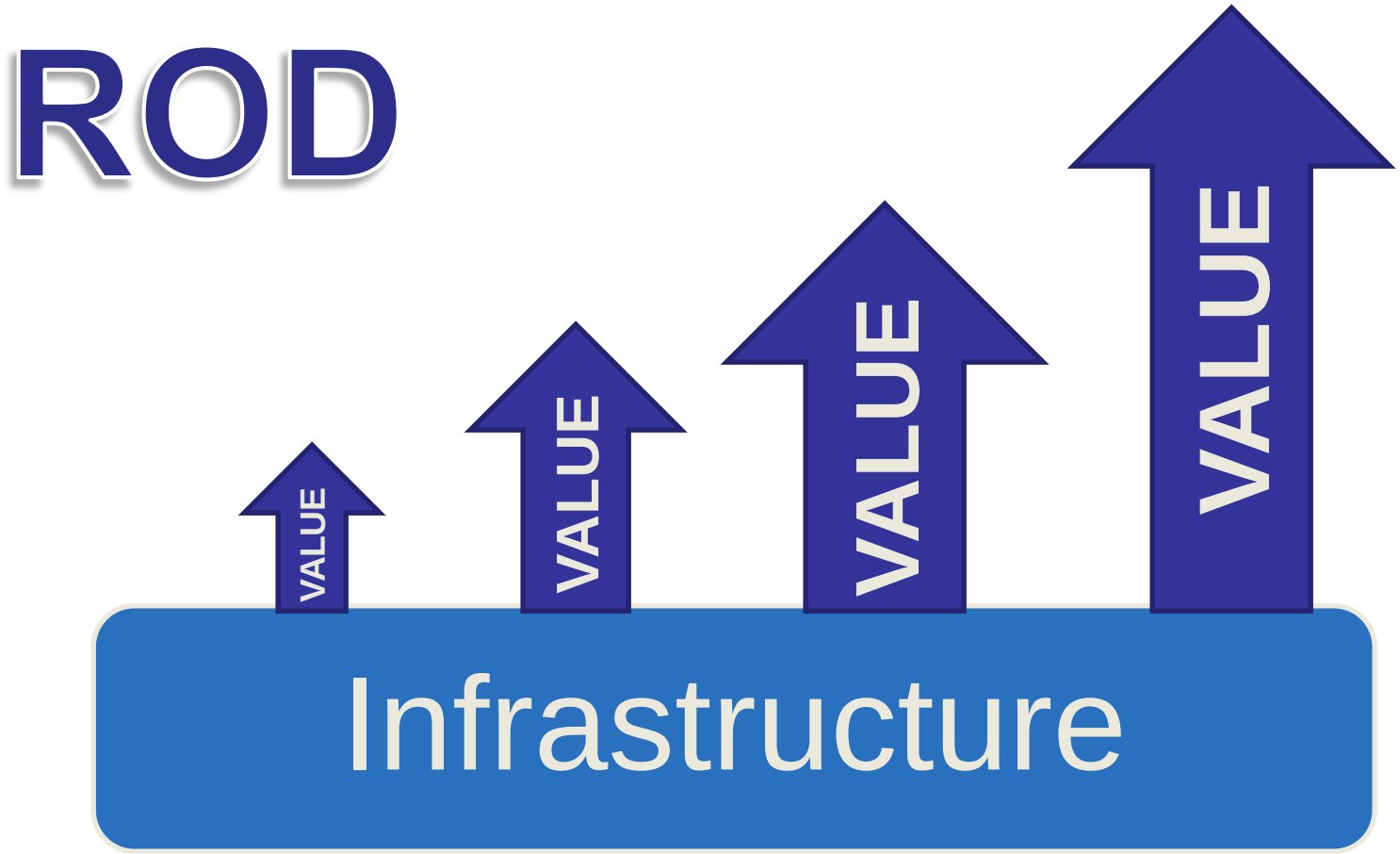
Start Thinking "Return On Your Data"



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Saudi Aramco

Using OSIsoft-Microsoft Integration

> “We selected OSIsoft and Microsoft to provide **real time visibility into our largest oilfield production operations.** Despite the vast complexities of our business, the **PI System and SharePoint 2007** were quickly deployed allowing my people in the field and at HQ to have real time access.”

Abdullah H. Al-Bar | Group Leader

ارامكو السعودية
Saudi Aramco

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MS OFFICE

\+ PI

DYNAMIC OFFICE

BUSINESS APPLICATIONS

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PI System Integration with MOSS

- Accelerators Available (through Virtual Campus):
  - **PI DataLink for Excel Services**
  - **SharePoint Web Part Pages (with RtWebParts)**
  - **Linking Excel Services to RtWebParts**
  - **SharePoint Enterprise Search**
  - **Microsoft InfoPath 2007**
  - **SharePoint Business Data Catalog**
  - **Integration with the Business Intelligence Platform**
    - **Analysis Services and PerformancePoint**

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Technology Integration – RtWebParts for MOSS 2007

RtWebParts Provides Instant Access to Real-Time and Historical Information Through a SharePoint Portal

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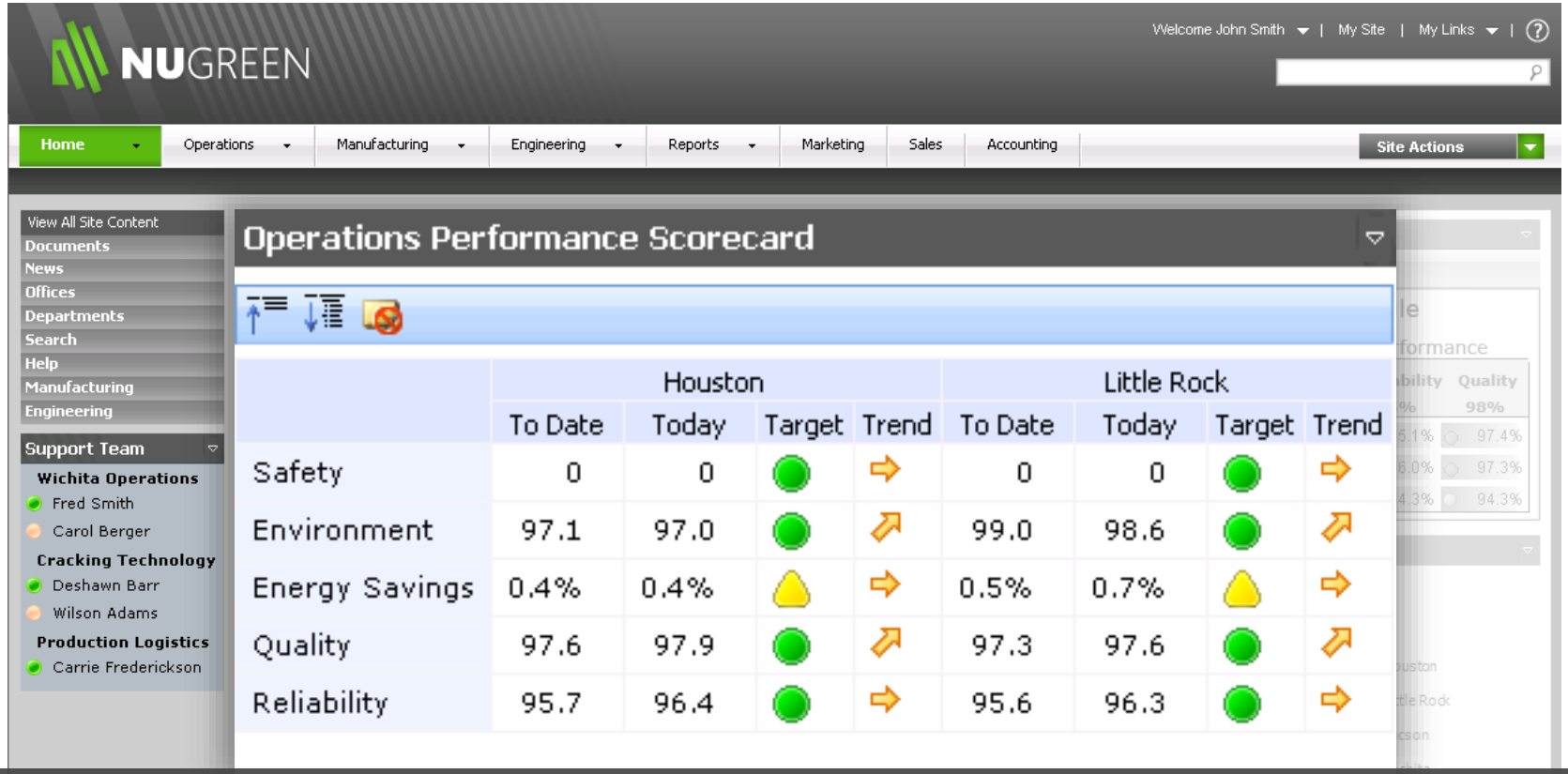
Technology Integration – Business Intelligence



	Houston				Little Rock			
	To Date	Today	Target	Trend	To Date	Today	Target	Trend
Safety	0	0			0	0		
Environment	97.1	97.0			99.0	98.6		
Energy Savings	0.4%	0.4%			0.5%	0.7%		
Quality	97.6	97.9			97.3	97.6		
Reliability	95.7	96.4			95.6	96.3		

Operational Business Intelligence fed by the PI System, Integrated with Microsoft's PerformancePoint

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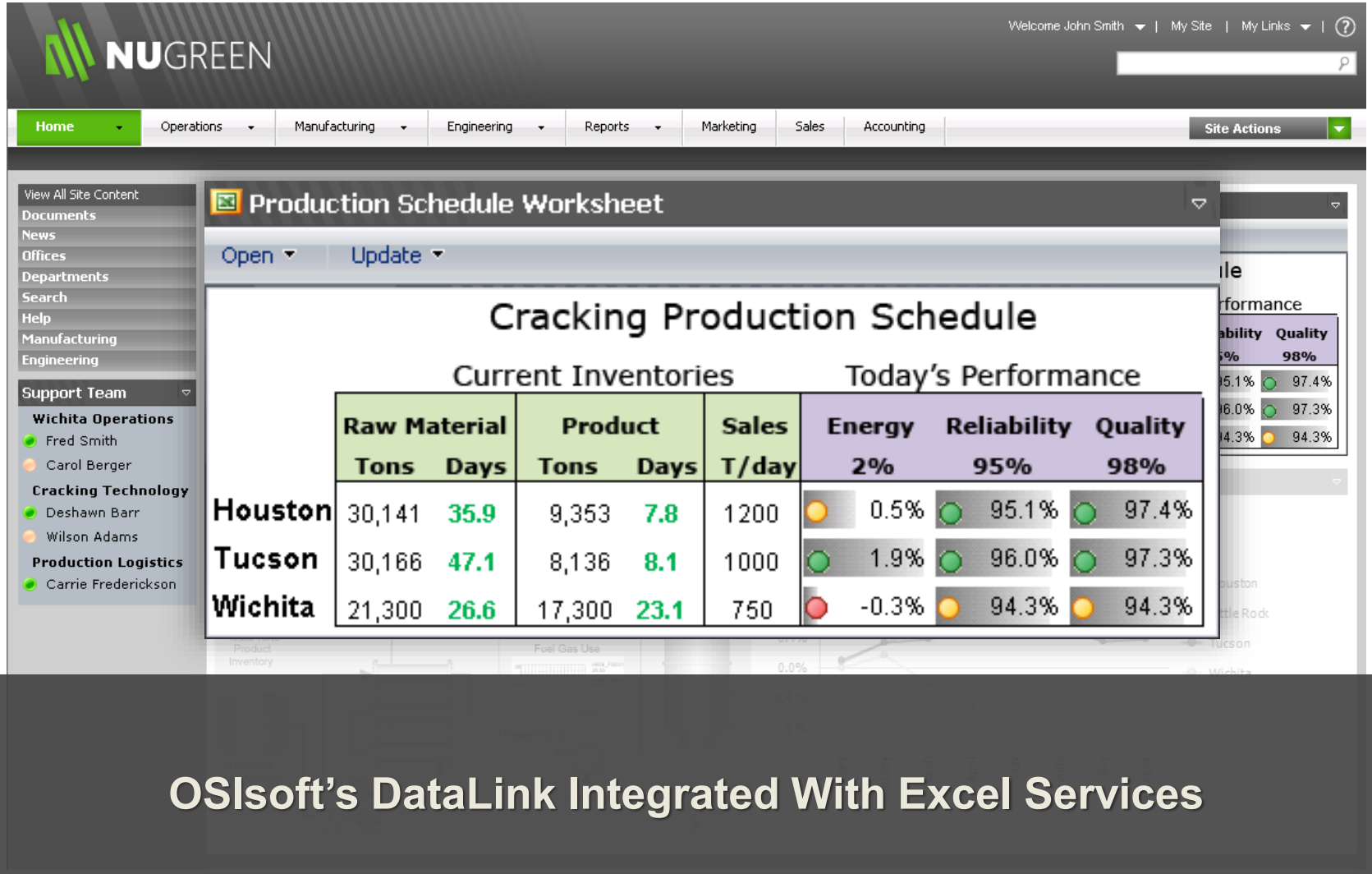
Technology Integration – DataLink for Excel Srvs



OSIsoft's DataLink Integrated With Excel Services

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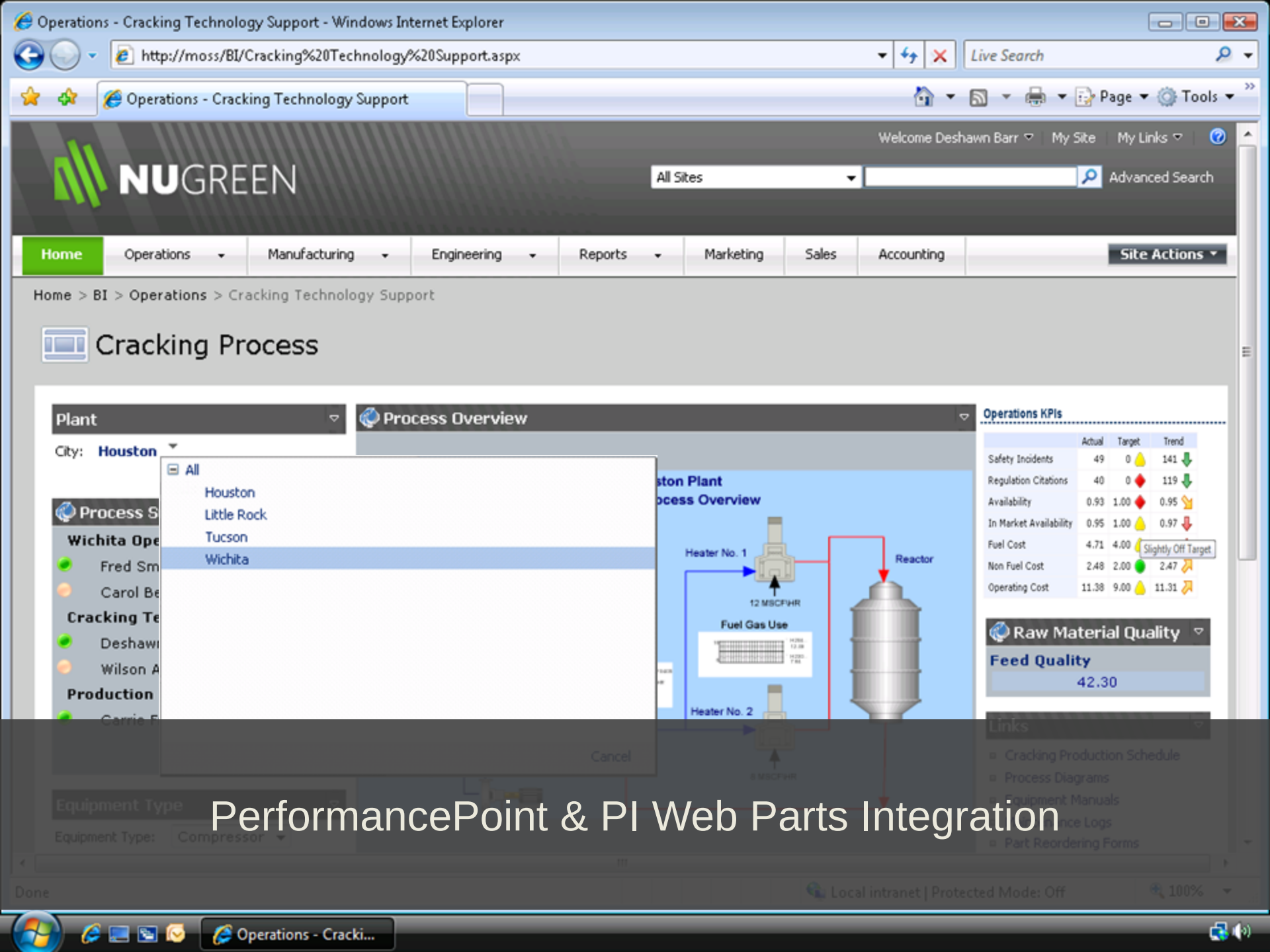

PerformancePoint & PI Web Parts Integration

Comision Federal de Electricidad (CFE)

Using Real Time BI to Drive Holistic Visibility

> “Thanks to OSIsoft and Microsoft, CFE can improve its business processes and decisions through the use of real-time data and events from the PI System running on Windows Server and SQL Server and integrated with SharePoint and PerformancePoint to attain its business goals.”

Gustavo A. Salvador Torres,

Subdirector del Centro Nacional de Control de Energia

CFE Comisión Federal de Electricidad

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Call to Action

- Visit the Booth in the Product Expo area
  - "***Microsoft/OSIsoft Integration***"
- Attend tomorrow's breakout session
  - "***Microsoft Office Platform and OSIsoft PI***"
  - 11:40 am (Track 3)
- www.osisoft-microsoft.com

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Key Points to Take Home

- Virtual Campus:
  - New and exciting offering
  - Collaboration and support for PI System developers and integrators
  - November 16th, 2008 - http://vCampus.osisoft.com

- Microsoft | OSIsoft Alliance
  - Benefits of the OSIsoft-Microsoft Alliance
  - Dynamic OBA's
    - Building On Existing Infrastructure (R.O.D.)
    - Creating Visibility and Enabling Decision Making

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THANK YOU