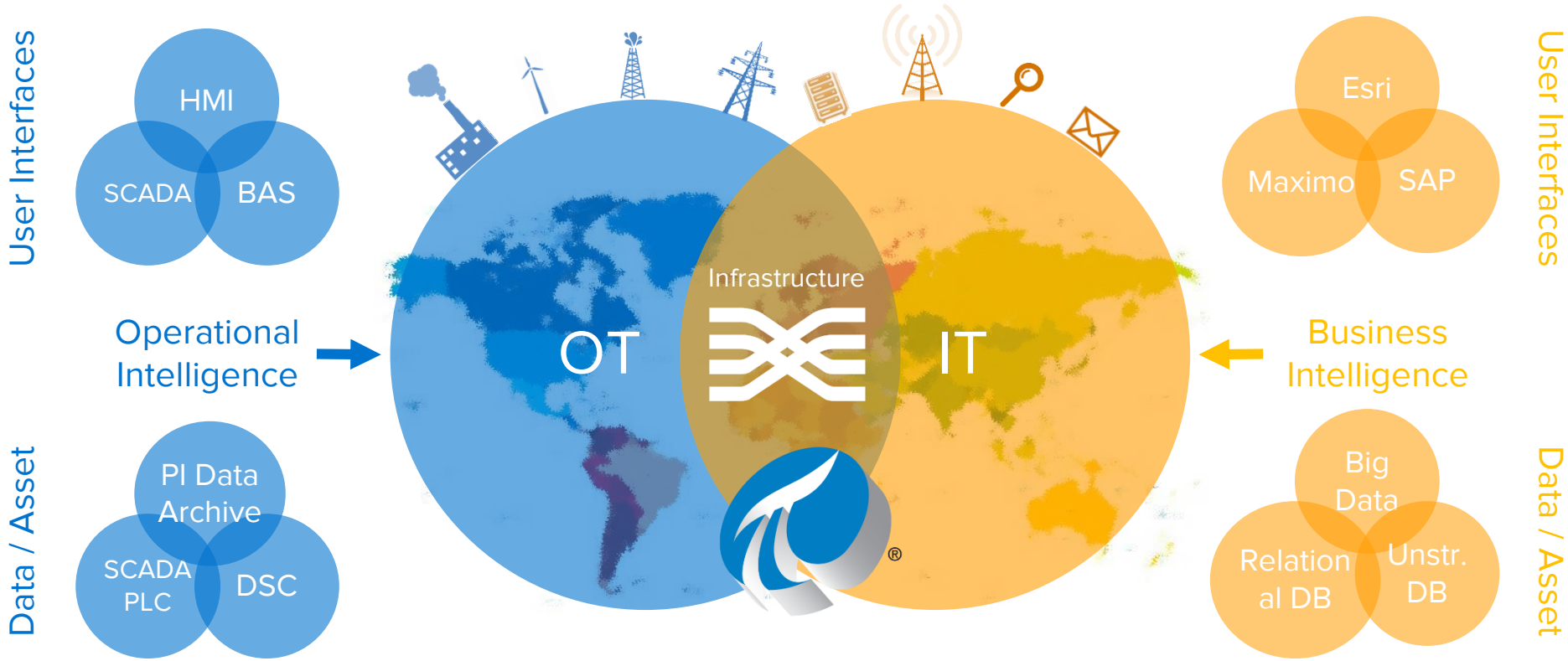
What is the PI System?

Mark McCoy
Federal Solutions Architect

April 20, 2017

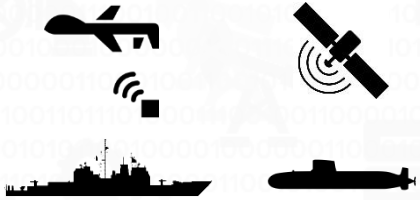
© Copyright 2017 OSIsoft, LLC

Infrastructure Context Joins Enterprise Data

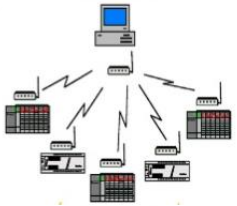


© Copyright 2017 OSIsoft, LLC

Silos to Standards / Complexity to Simplicity

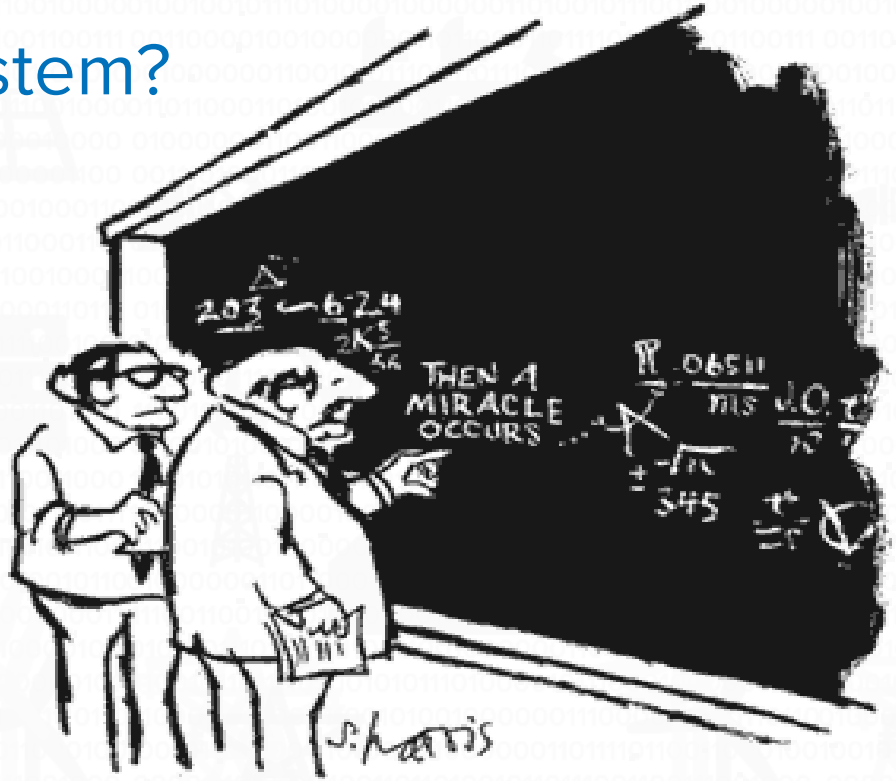


DATA



© Copyright 2017 OSIsoft, LLC

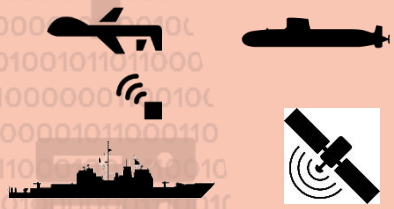
Why the PI System?

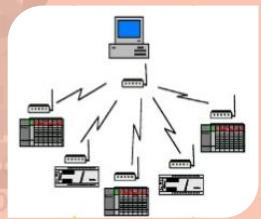


"I THINK YOU SHOULD BE MORE EXPLICIT HERE IN STEP TWO."

© Copyright 2017 OSIsoft, LLC

Silos to Standards / Complexity to Simplicity





Collect

Enhance

Deliver

ERP

Asset Reliability

IT Support

COP

Microsoft

Microsoft SQL Server

SAS

TIBCO Spotfire

IBM

ORACLE

hadoop

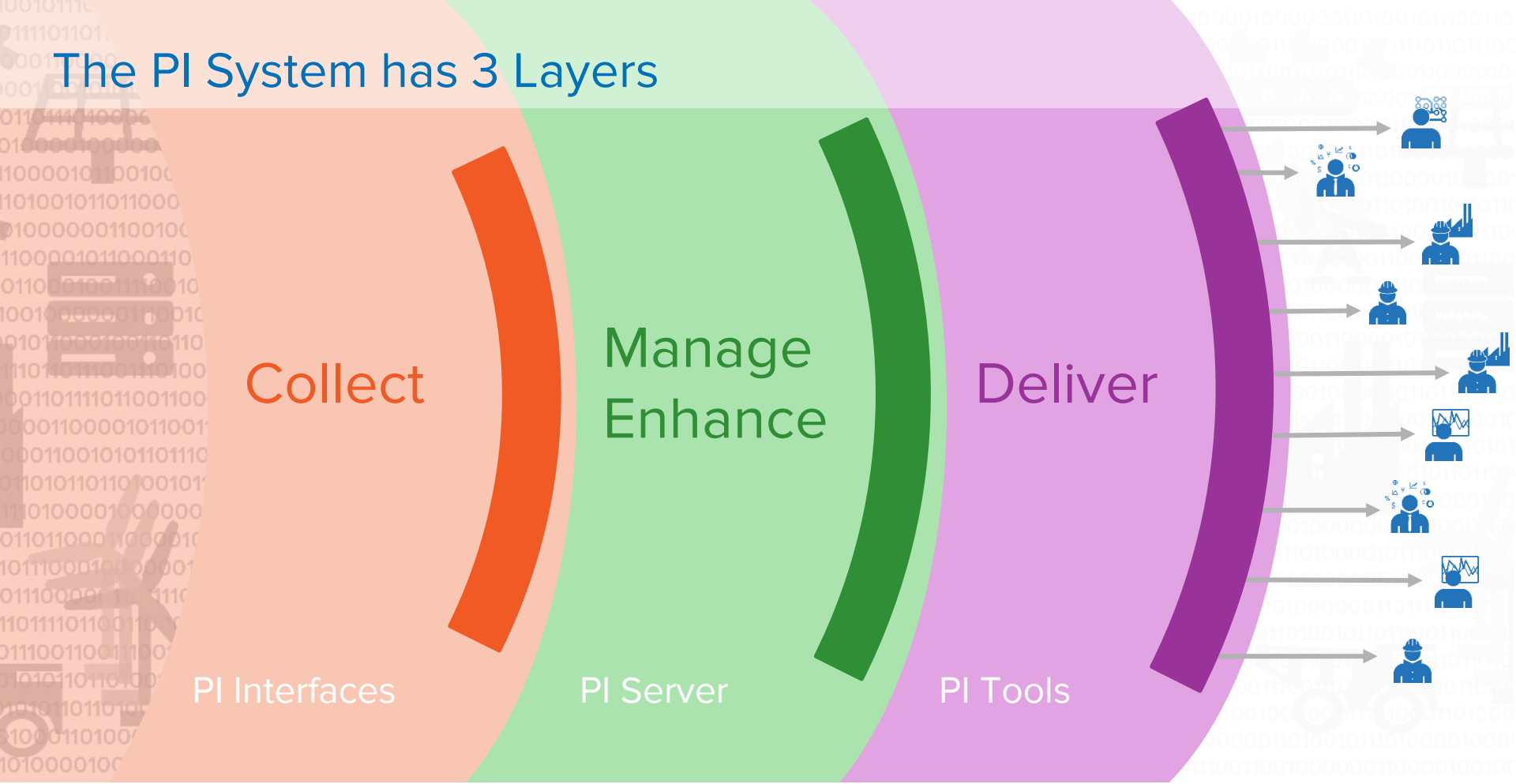
tableau

SAP

esri

© Copyright 2017 OSIsoft, LLC

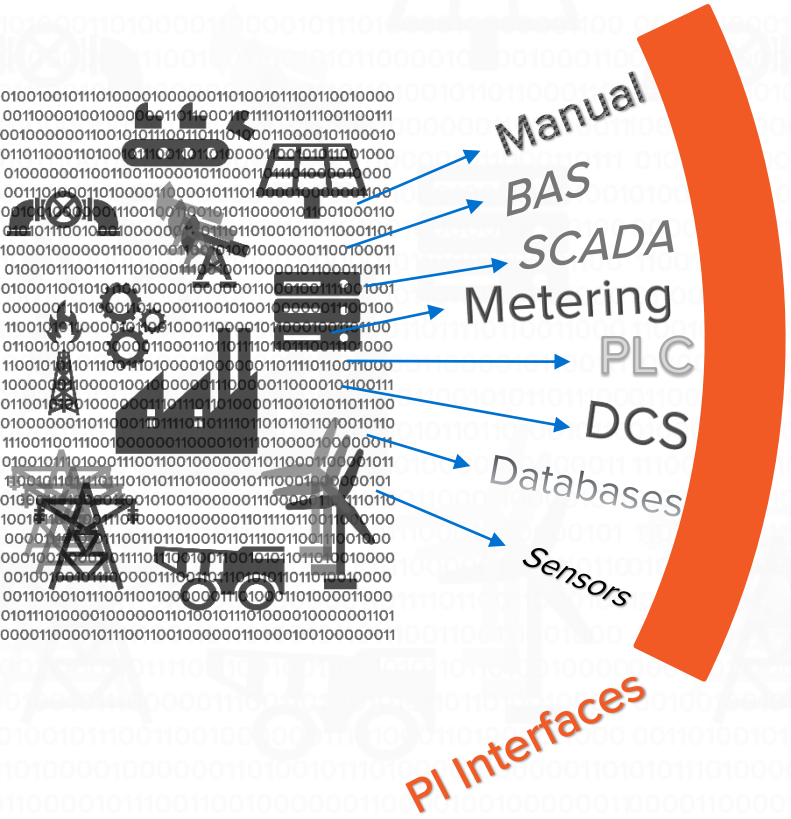
The PI System has 3 Layers



© Copyright 2017 OSIsoft, LLC

Pervasive Connectivity

PI Interfaces



Directly connects to more data sources than any other operational data collection system

Proven Engine

PI Server

A PI Server is:

- System of Record
- Real-time Processing
- Data Calculations
- Alerting Engine
- Metadata Layer
- Event Tagging

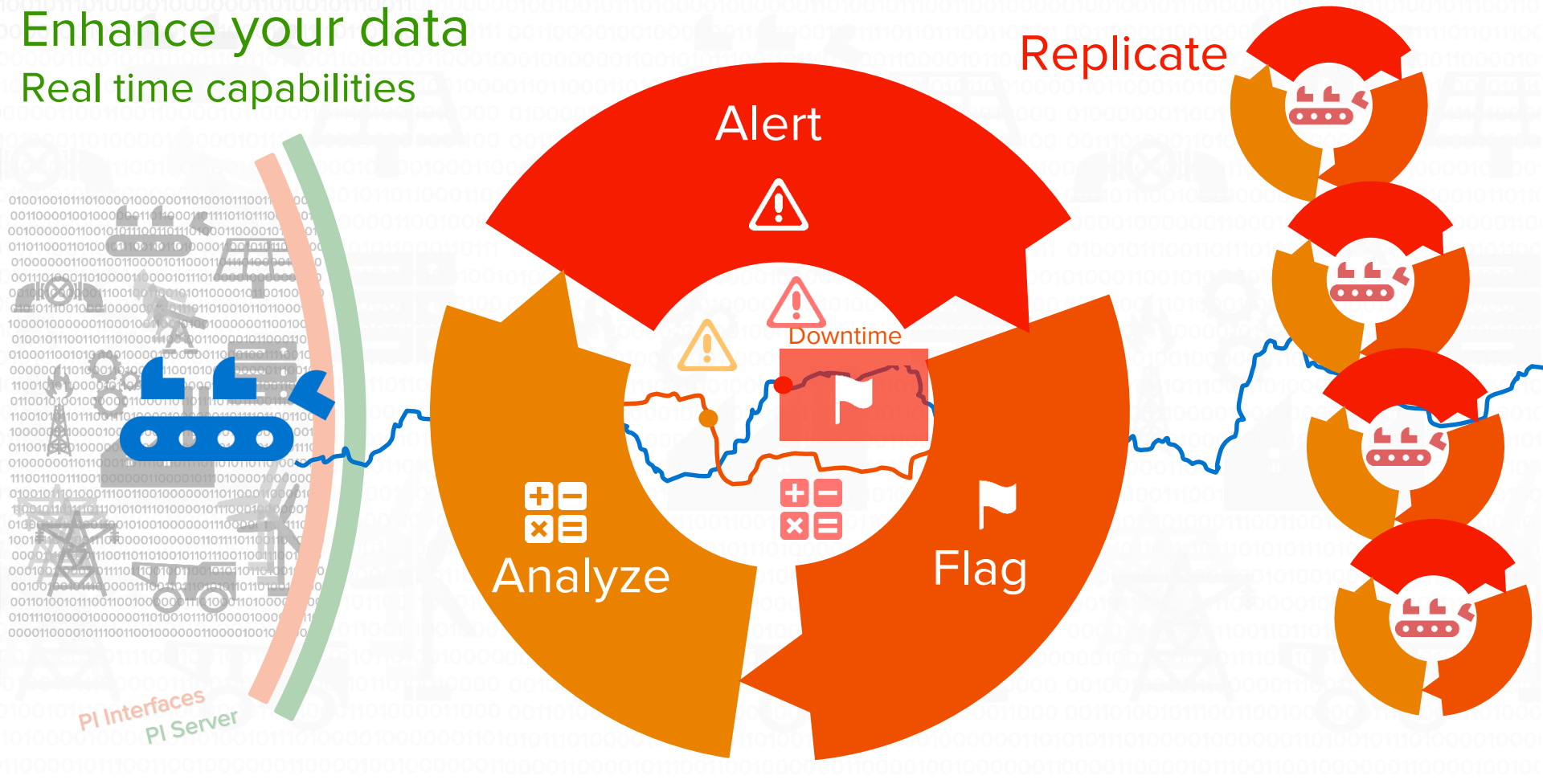
COMMON PI SERVER
~20 M WRITES/DAY

BIG DATA CLUSTER
100+ MACHINES
9 B WRITES/DAY

HIGH PERFORMANCE
PI SERVER
43 B WRITES/DAY

Enhance your data

Real time capabilities



© Copyright 2017 OSIsoft, LLC

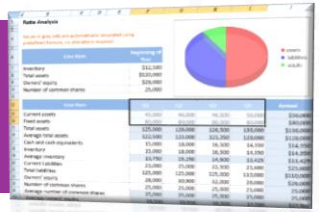
Fits your users

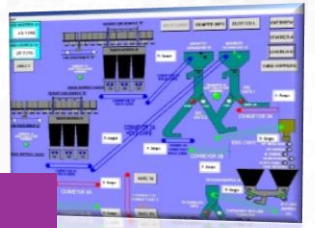
PI Visualization Tools

PI DataLink

Access data from Excel

Video: What is PI DataLink





PI Coresight

Anywhere, Anytime

Video: What is PI Coresight

© Copyright 2017 OSIsoft, LLC

Boundless

Open data export

PI Integrator for Business Analytics

Move data between business and geographic boundaries.

PI System Access

Programmatic access to build anything on PI

PI System Access

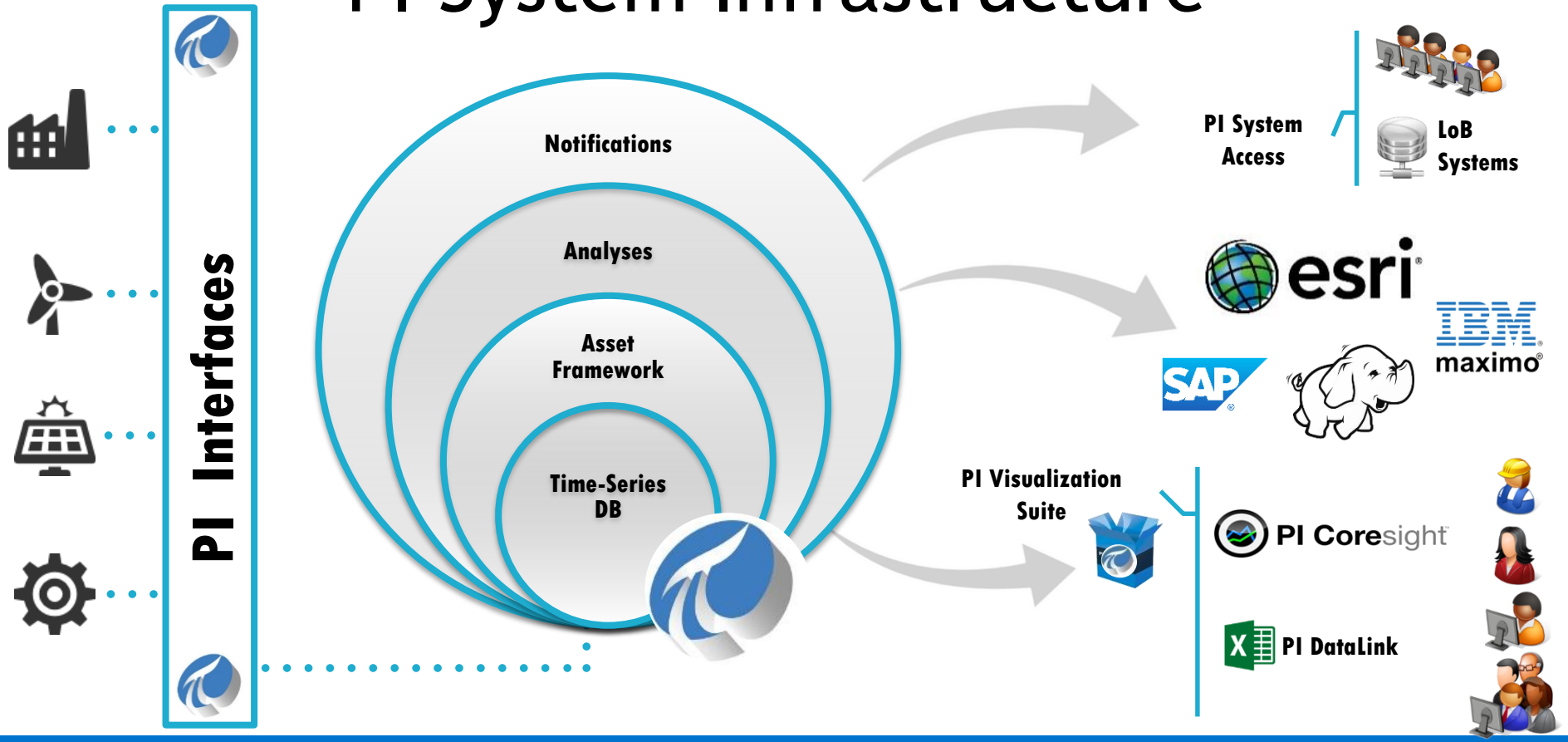
Programmatic access to build anything on PI

→ Partner Applications

Microsoft SQL Server · infor · Microsoft Power BI · sas · TIBCO Spotfire · IBM · tableau · SAP · ORACLE · hadoop · JDEdwards · esri

© Copyright 2017 OSIsoft, LLC

PI System Infrastructure



© Copyright 2017 OSIsoft, LLC

Why the PI System?

© Copyright 2017 OSIsoft, LLC

The PI System

What data does YOUR mission require?

Please visit our demo pods to learn more.

Mark McCoy
mmccoy@osisoft.com
Federal Solutions Architect
OSIsoft, LLC

© Copyright 2017 OSIsoft, LLC

Questions

Please wait for the **microphone** before asking your questions

State your **name & organization**

Please don't forget to…

Complete the Survey for this session

The Power of Data
DECISION READY IN REAL-TIME

Evaluation Form (Seminar Location - Date)

Name:_____ Company: _____

Email:_____

Quality and content of the presentations	Poor	Good	Excellent	N/A
Welcome	○	○	○	○
The Journey To Real-Time Operational Intelligence	○	○	○	○
The Power of Connection	○	○	○	○
Tank Level Management System	○	○	○	○
Using the PI System to Aid in Troubleshooting Operational Aspects of Oil and Gas Well Drilling and Completion	○	○	○	○
Unleash your Infrastructure	○	○	○	○
Information on the Spot	○	○	○	○
Wrap-up/Seminar Conclusion	○	○	○	○

Quality and organization of the seminar				
Choice of date	○	○	○	○
Time allowed for lunch/breaks	○	○	○	○
Choice of presentations	○	○	○	○
Pace and time allowed for the presentations	○	○	○	○

© Copyright 2017 OSIsoft, LLC

Thank You