TRANSFORM
YOUR WORLD
Photo Copyright California ISO

People with data will transform their world

© Copyright 2016 OSIsoft, LLC

OSIsoft: Pioneers of Digital Transformation

© Copyright 2016 OSIsoft, LLC

Proven OSIsoft Digital Transformations

Data to Intelligence

Power of Data

Transform your World

Transformations

Community Insights

Enterprise Journey

OSIsoft.

Xcel Energy	Multiple	Manyilad	PG&E	Kellogg's
Wind Farm	Gas Turbines	Water Plant	Gas Centre	Food Manu.
Heineken	Barrick Gold	Minnesota Wild	UET	Kongsberg
Beverages	Mining	Stadiums	Battery Storage	Ships
Maya HTT	ArcelorMittal	BG Group	Marathon Oil	Multiple
IT/Telecom	Ports	Chemicals	Oil Field	Facilities

Up Next: Introducing the Data Transformation Journey

Larry Schutzberg, CIO, Evergreen Packaging

© Copyright 2016 OSIsoft, LLC

OSIsoft®

IoT is Not Magical--
It's What You Can *Do* With the Data

Larry S. Shutzberg
SVP & CIO for Evergreen Packaging,
Graham Packaging,
Closure Systems International

Collaboration and Cultural Transformation

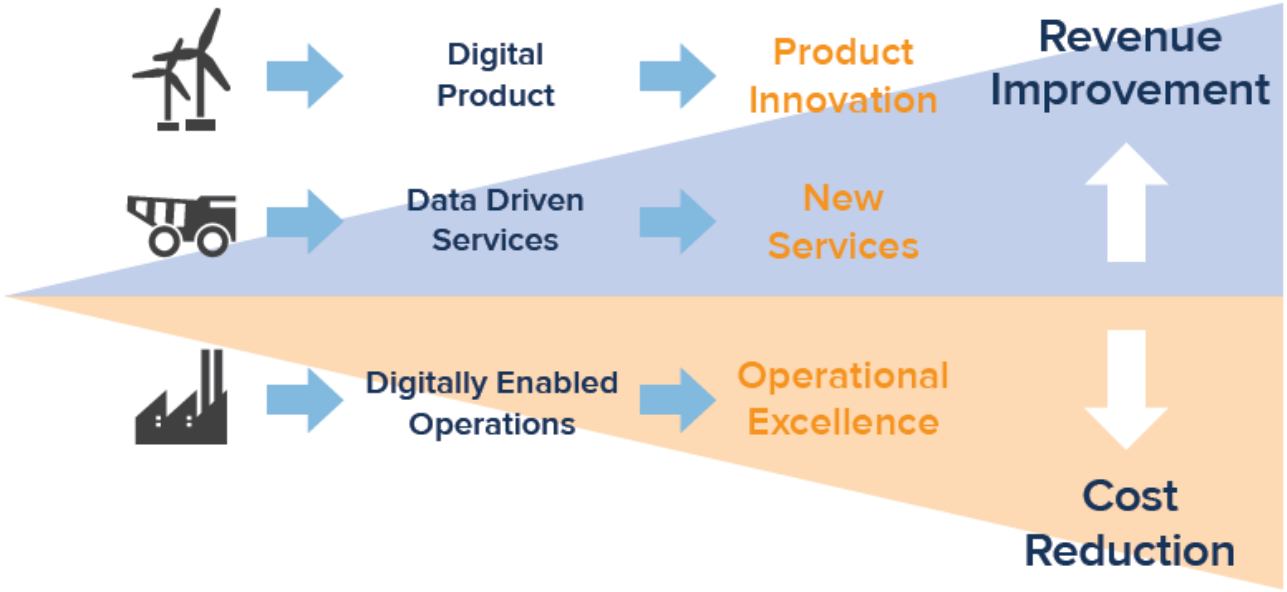
- The most powerful things that humans do is collaborate with each other in order to bring more intelligence, more variability of perspective, and better problem solving and innovations to situations
- We talk a lot about digital transformation, but we are not talking about the cultural transformation that is necessary in order for you to land digital transformation
- The biggest organizational obstacle to change is typically cultural. It is one thing to introduce new technology, such as an Enterprise Data Infrastructure such as the PI System, but it is significantly bigger challenge to adapt the organization to new attitudes and a new way of doing business
- Focus on the challenge of cultural transformation as the biggest obstacle to success
- Bringing together the various departments in the organization to take a more strategic approach to integrating real-time operational information into business process and decision making

© Copyright 2016 OSIsoft, LLC

Where Are PI System Users Headed In the Near Future?

What is Today's Digital Transformation Opportunity?

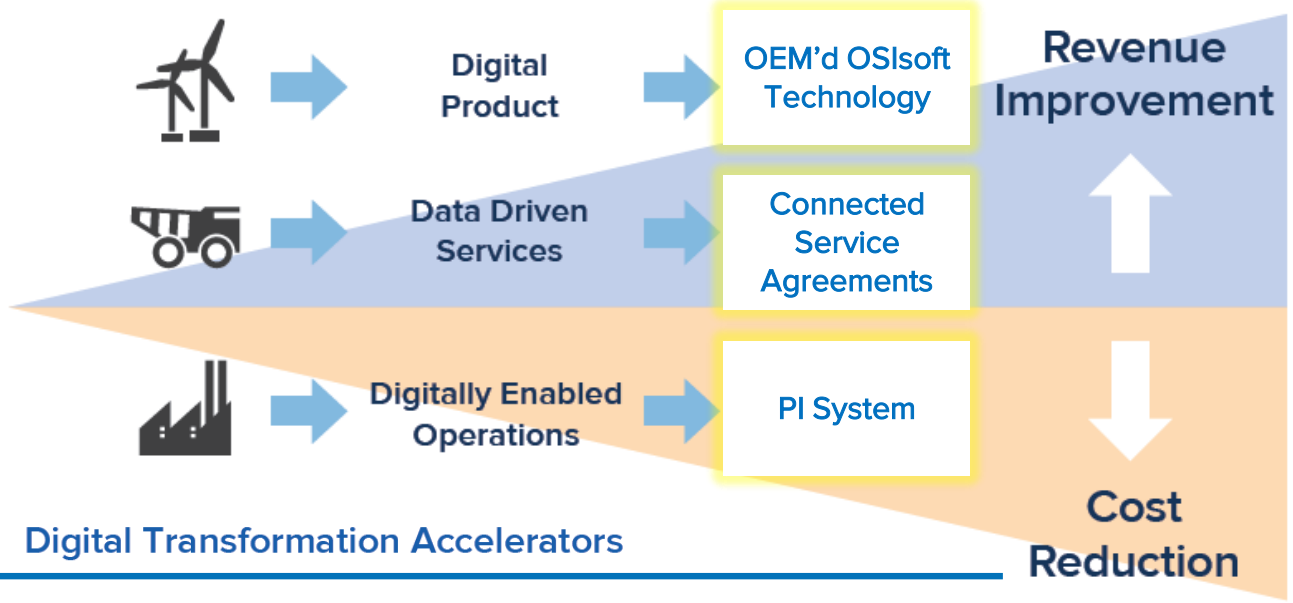
Digital Transformation



© Copyright 2016 OSIsoft, LLC

The PI System is Positioned to Help!

OSIsoft Offerings



© Copyright 2016 OSIsoft, LLC

How is IOT Different for the PI System?

What's "New" From IoT

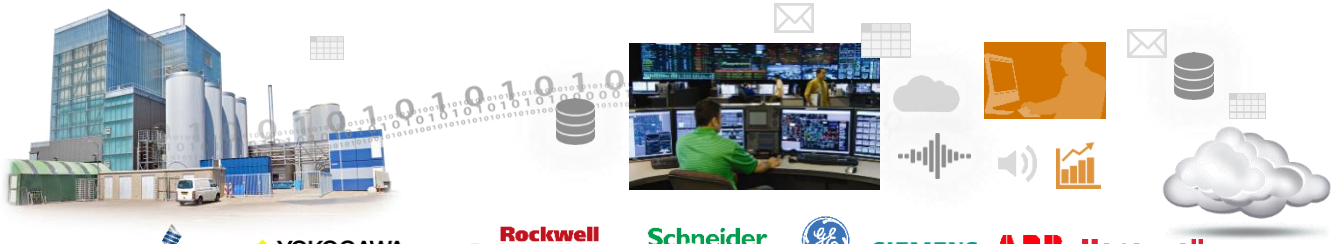
- More data sources
- More data protocols
- Faster data collection
- Larger data volumes
- More destinations for data

What the PI System Excels At

- Aggregating data sources
- Translating data protocols
- Collecting data at high speed
- Efficiently archiving data
- Delivering data to users

© Copyright 2016 OSIsoft, LLC

The Digital Challenge



EMERSON. YOKOGAWA Rockwell Automation Schneider Electric SIEMENS ABB Honeywell

Executives

Engineers

USERS

IT/Data Scientists

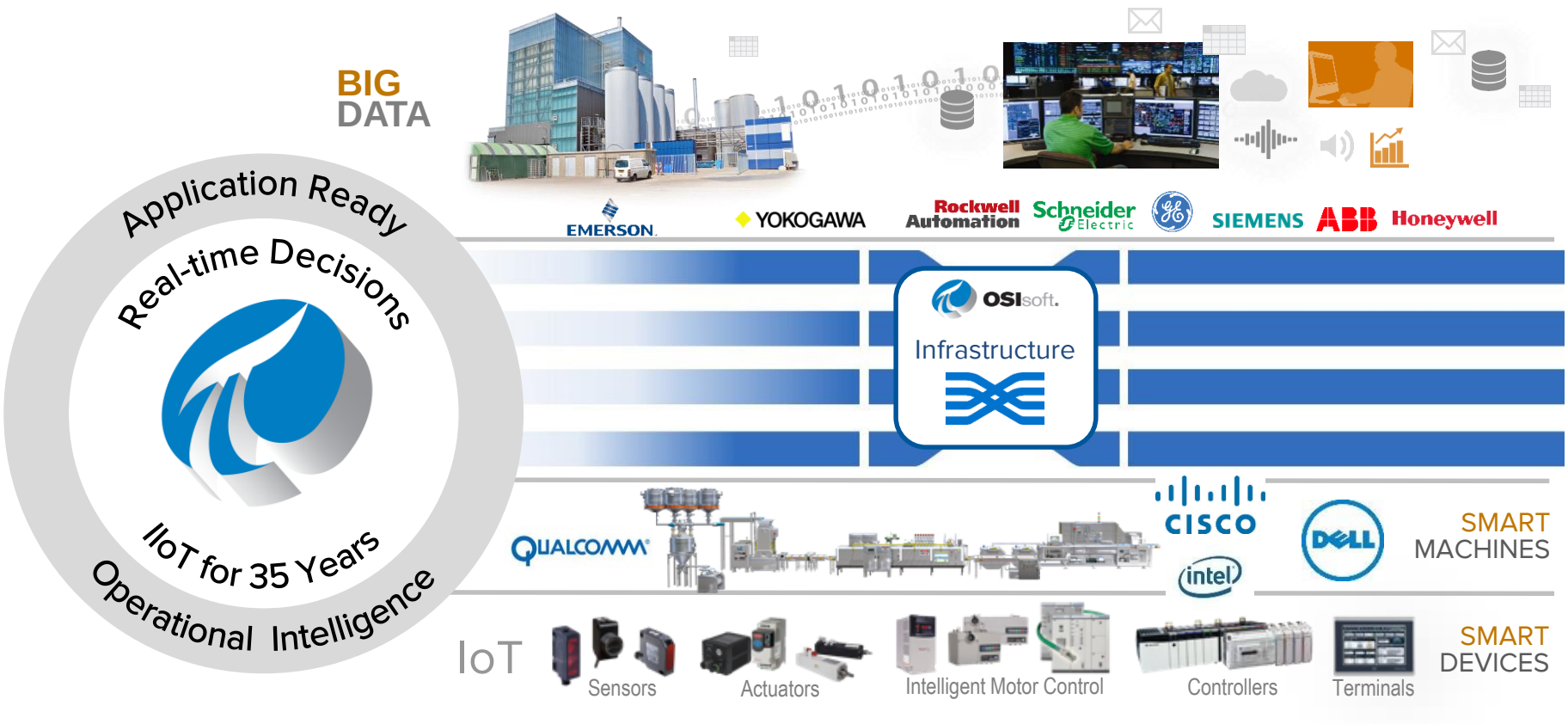
Operations

waygum

Sensors Devices Assets Plants Enterprises Services

© Copyright 2016 OSIsoft, LLC

OSIsoft Provides Data Infrastructure for Digital Transformation



© Copyright 2016 OSIsoft, LLC

Data Infrastructure: Improving Your Ongoing Journey

Processing

Process Efficiency

Maintenance

Asset Health

Equipment

Utilities

Energy

OSIsoft.

Infrastructure

Quality

Production

3rd Party Services

Regulators

Facilities

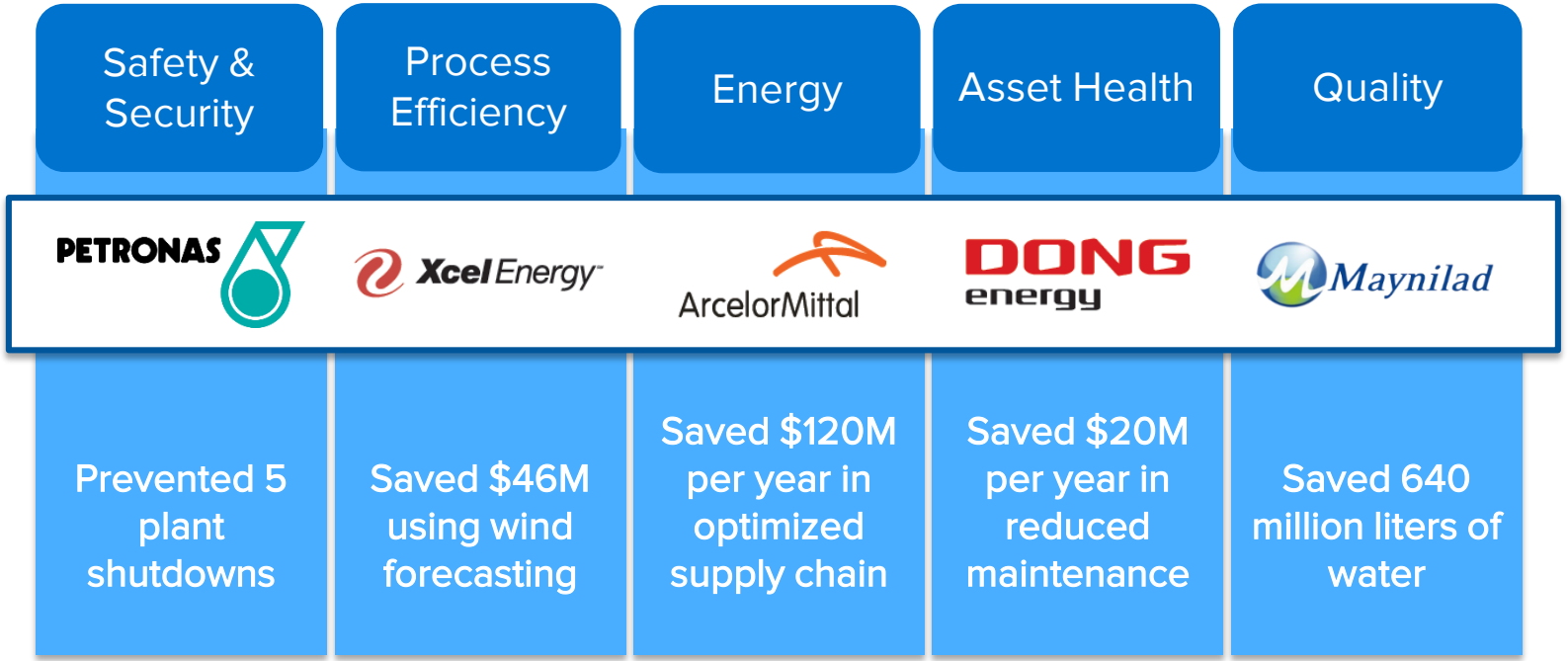
Safety & Security

Regulatory Compliance

Environment

© Copyright 2016 OSIsoft, LLC

Data Infrastructure: An Agent for Business Transformation



© Copyright 2016 OSIsoft, LLC

Evolving Data Goals:

Real-Time Decision Support (OT)

Monitoring
Real-time visibility

Process Optimization
Real-time and historical view across all assets

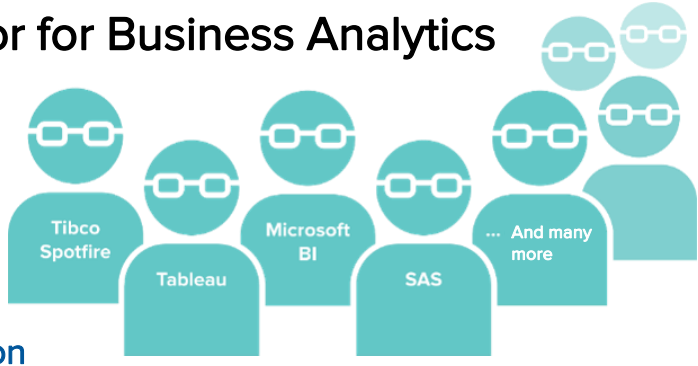
Enterprise Analysis

Benchmarking
Fleet-wide performance comparison

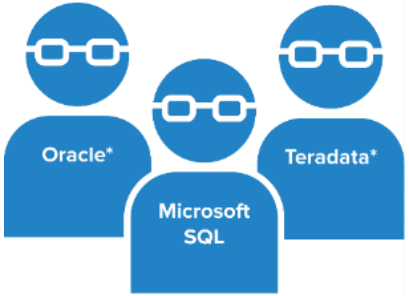
System Optimization
Combining data sets for system intelligence

OSIsoft's Solution:

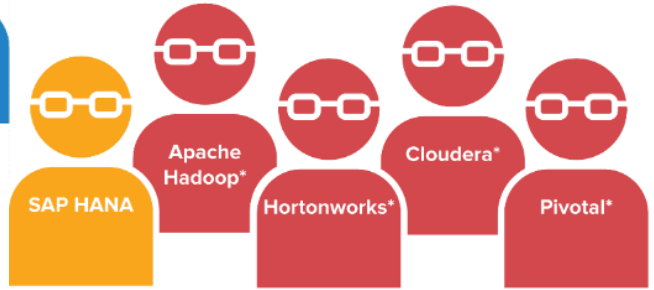
PI Integrator for Business Analytics



Data Warehouse Edition



Big Data Edition*



© Copyright 2016 OSIsoft, LLC

You've Told Us That Advanced Integrations Matter!

In a recent survey…

32% of responding users **are using** or plan to soon use BI analysis tools

Visualization Tools
Analysis Databases

Microsoft Azure
Power BI
IHS HARMONY
SQL
+ableau
SAS
Qlik
Microsoft SQL Server Reporting Services
COGNOS
memsql
TIBCO Spotfire
hadoop
ORACLE BUSINESS INTELLIGENCE

© Copyright 2016 OSIsoft, LLC

PI Integrators Let You Prepare and Deliver Process Data

PULL

CLEANSE

AUGMENT

SHAPE

TRANSMIT

PUSH

to any **Visualization Tools**
or **Analysis** Databases
via the ODBC standard

Microsoft Azure

Power BI

IHS HARMONY

SQL

sas

+ableau

Microsoft SQL Server Reporting Services

Qlik

COGNOS

memsql

TIBCO Spotfire

hadoop

ORACLE BUSINESS INTELLIGENCE

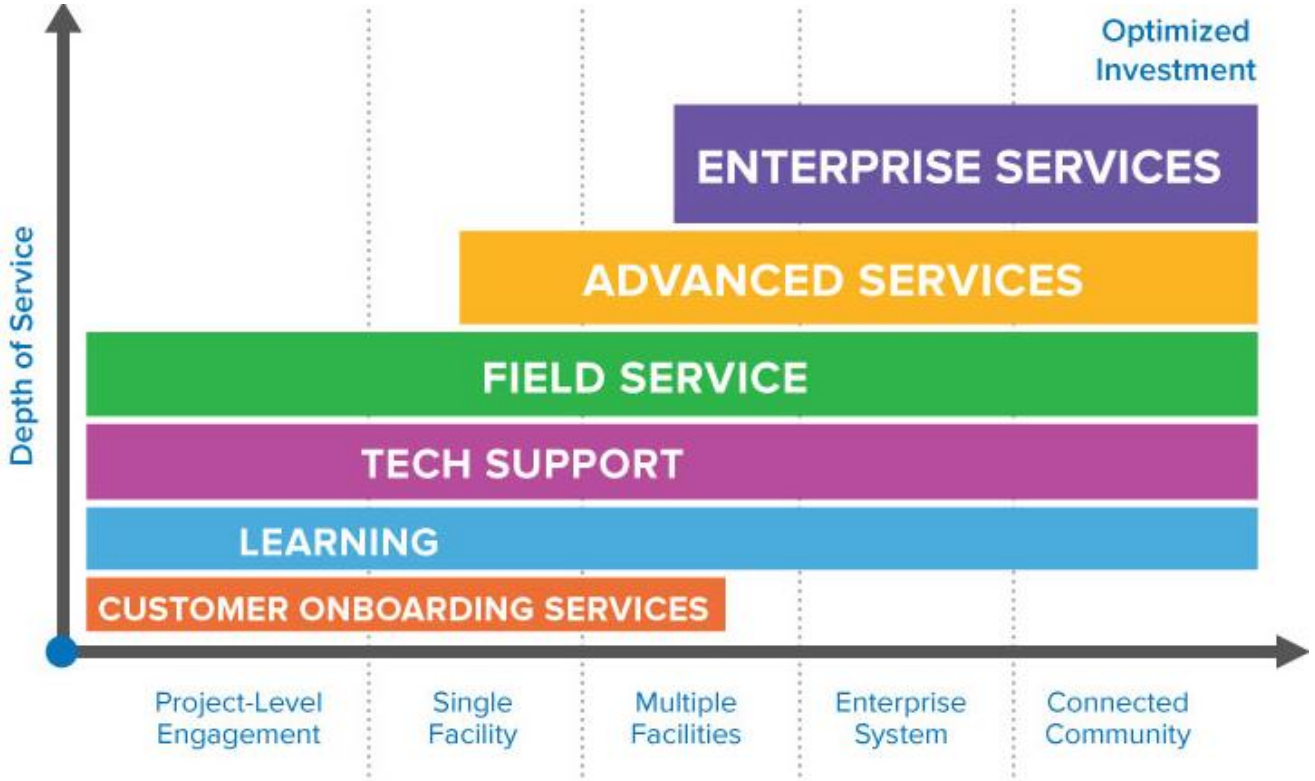
© Copyright 2016 OSIsoft, LLC

CEMEX Video

https://www.youtube.com/watch?v=TfjFKnjTFco

© Copyright 2016 OSIsoft, LLC

OSIsoft Services Help You Get the Most Out of Your Investment



© Copyright 2016 OSIsoft, LLC

감사합니다

谢谢

Danke

Gracias

Merci

Thank You

ありがとう

Спасибо

Obrigado

© Copyright 2016 OSIsoft, LLC