



OSIsoft®

EMEA USERS CONFERENCE

LONDON, UNITED KINGDOM • OCT 16-19, 2017

TRANSFORM YOUR WORLD



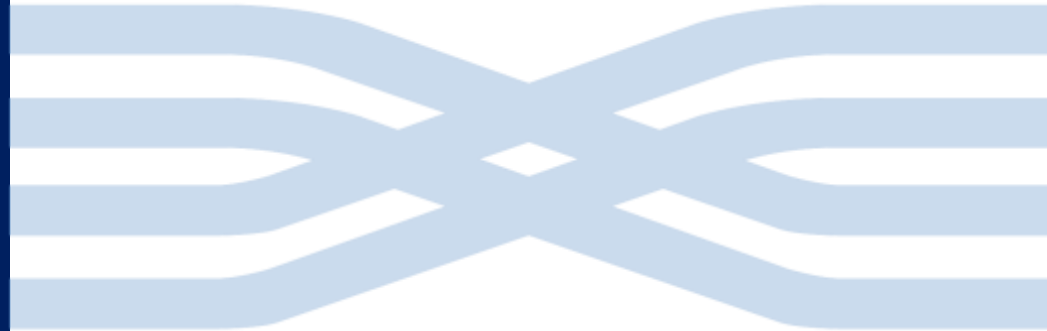
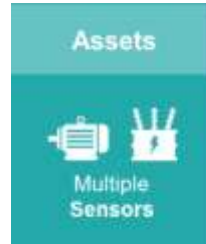


Digital Transformation Journey

Martin Otterson Sr. VP of Customer Success

Our Mission

Empower people, industries and communities to **transform their world** using operational data.



Data Is Your Most Important Resource



ArcelorMittal
supply chain
modifications = 3MT
(\$40M) iron ore



Halifax Water
saving 38 million
liters per day by
detecting 1,300 leaks



Kellogg's
\$3.3M In Energy
savings



Novartis
lights out
manufacturing

The Challenge: The Operational Data Deluge

Volume



DTE:
3 million customers
27 million + tags

Variety



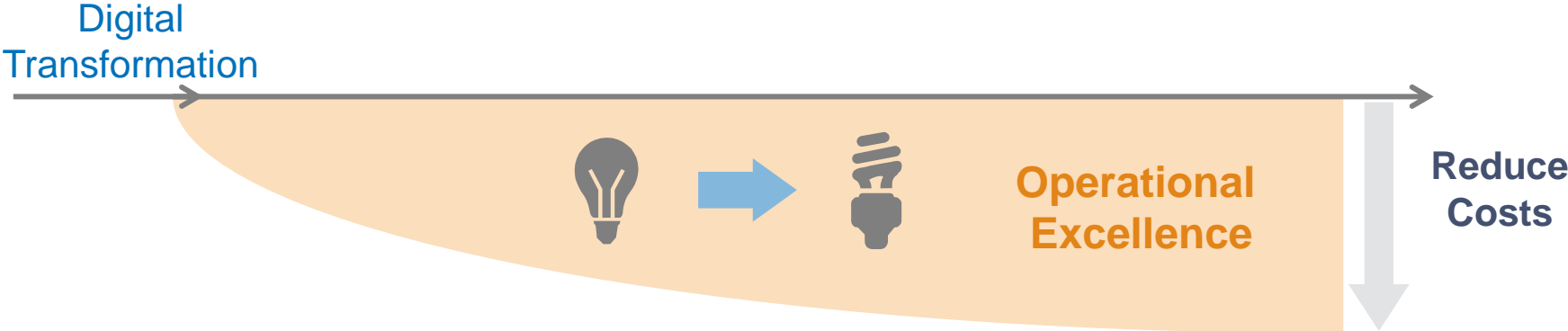
E.ON:
310,000 tags, 250 formats,
140+ locations

Velocity

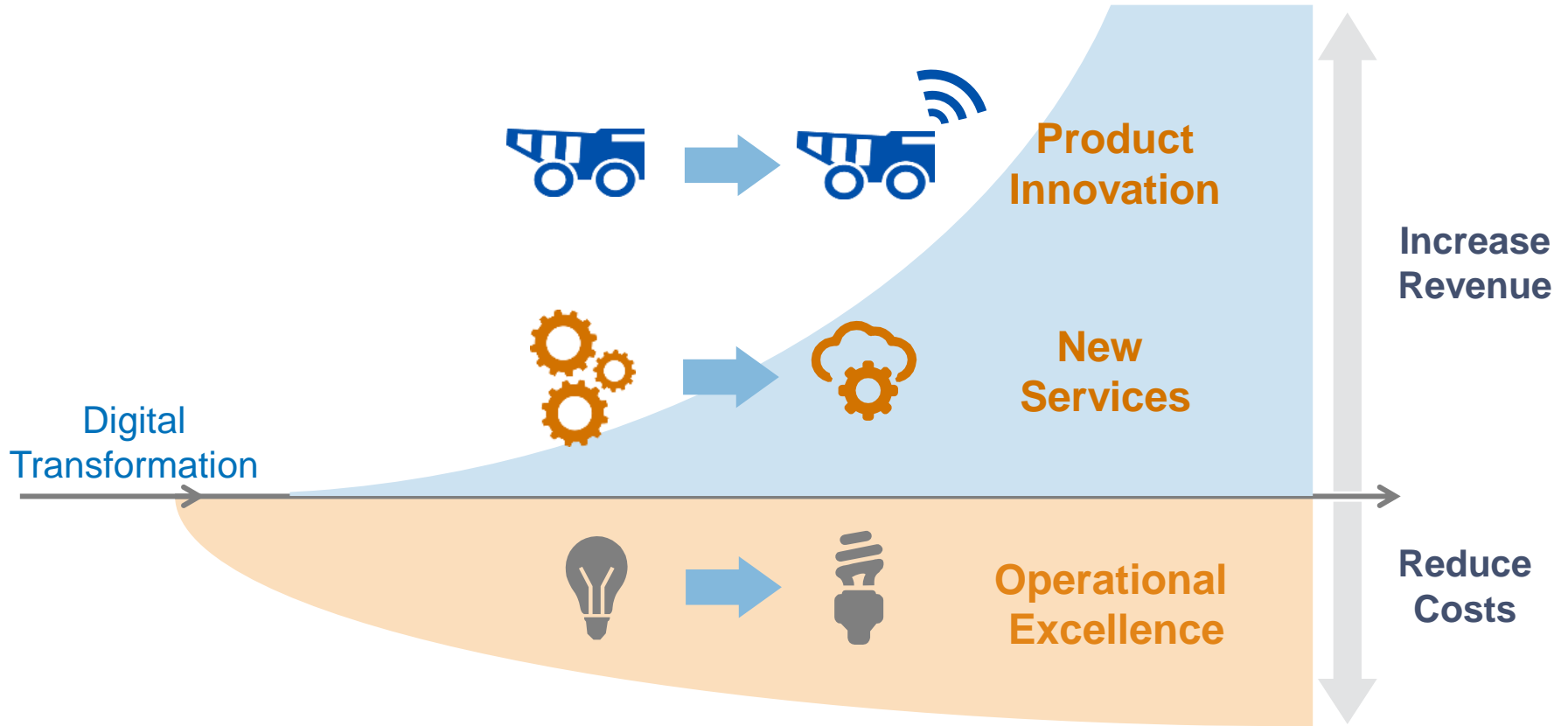


SETPOINT Vibrations:
200,000 events /sec

Digital Transformation: Our Opportunity



Digital Transformation: Our Opportunity



Assets



Multiple
Sensors

Plant



Multiple
Assets

Enterprise



Multiple
Plants

Community



Multiple
Enterprises

STRATEGY: ELEMENTS FOR SUCCESS

CUSTOMER
SUCCESS



ENABLE
COMMUNITY



EXPAND
THE CORE

Digital Transformation Journey: Agenda



Technology Insights

Assets



Multiple
Sensors



Plant



Multiple
Assets



Enterprise



Multiple
Plants



Community



Multiple
Enterprises





Technology and Trends



Sensing

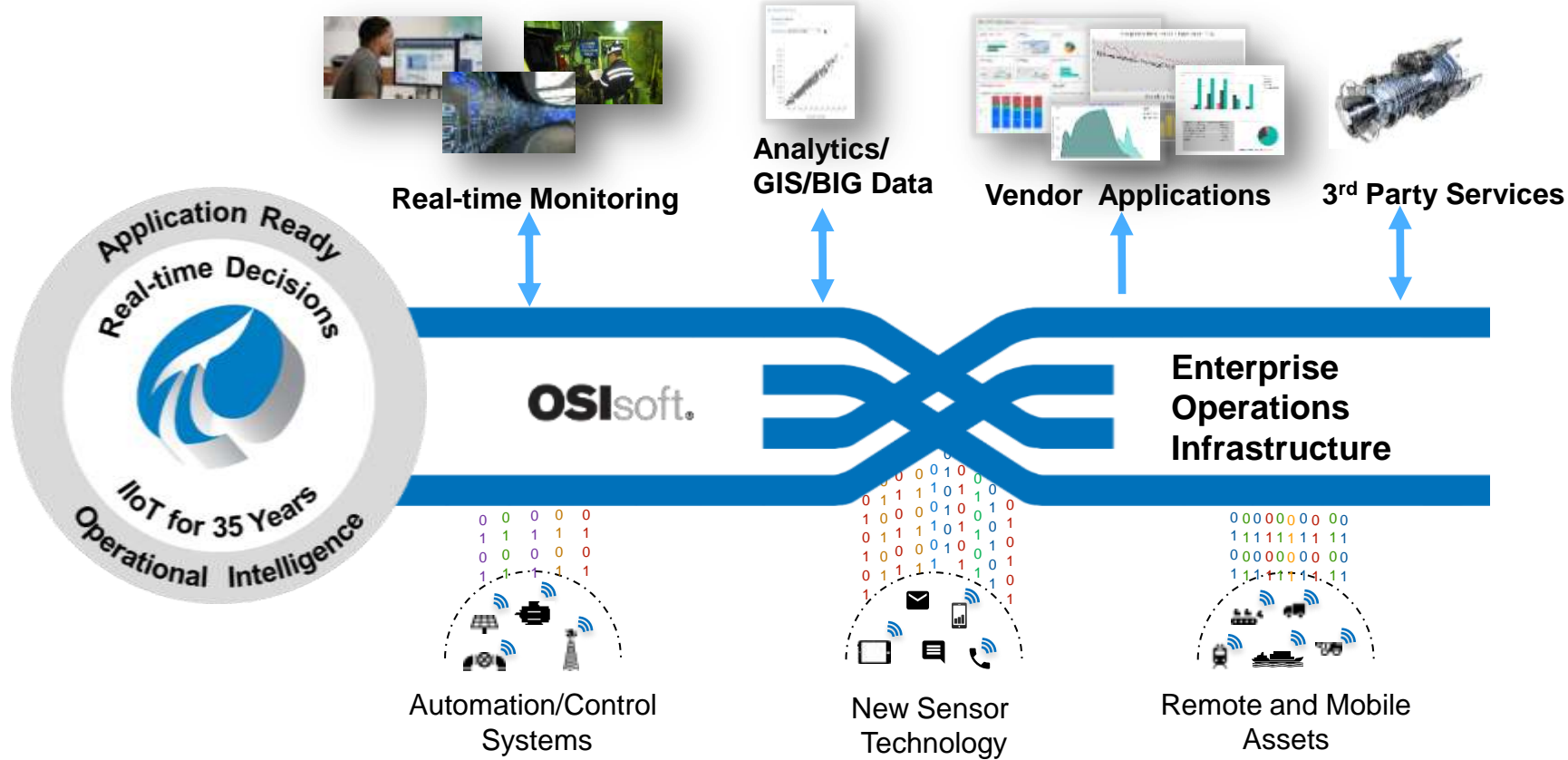


Thinking

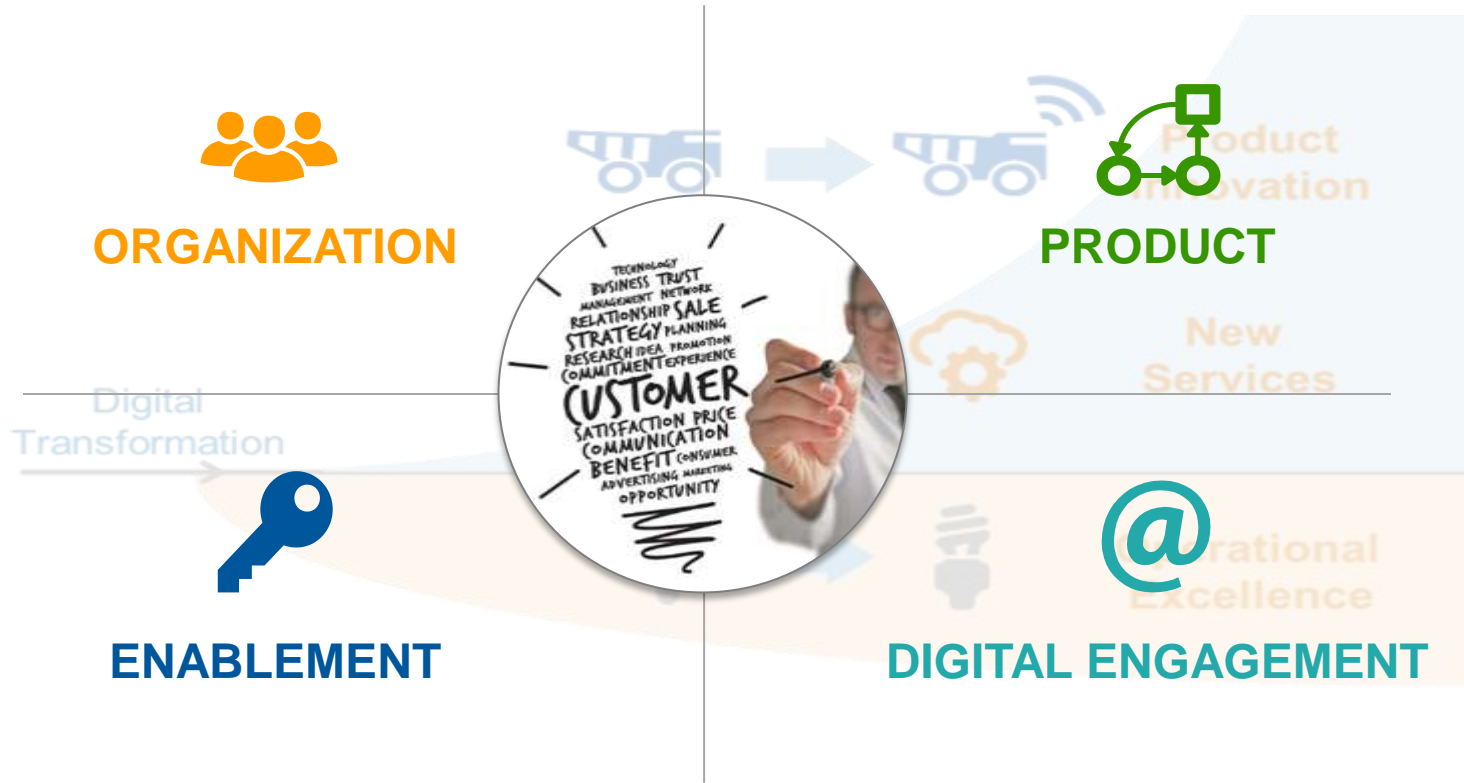


Acting

OSIsoft Infrastructure for Digital Transformation



OSIsoft's Digital Transformation



Customer Success Mission



“ Build more proven value faster”

OSIsoft Advisory Services

Digital
Innovation



Business
Impact

OSIsoft Business Transformation Services

Business
Discovery



Strategic
Program
Development



Business
Justification

Advisory Services: Strategic Program Development

COMPANY and GOAL

We Help People **Thrive**. Cargill is working to nourish the world. We're bringing together people, ideas, and resources to deliver products, technology and ways of operating that build successful businesses and communities.



CHALLENGE

How does Cargill leverage their data asset for Operational Intelligence to drive ongoing value and continuous improvement across the enterprise?

- Enabling Innovation
- Applying Analytics
- Connecting the Supply Chain
- Scaling Successes and Sustainability

SOLUTION

OSIsoft's **Advisory Services Team** engaged with Cargill to assist in the design and development of an **Operational Intelligence Program** to support their operating sites, businesses, and the overarching enterprise

RESULTS

Cargill is now getting started on the delivery of this Operational Intelligence program across the enterprise

- Leverages PI System and existing EA as the foundation platform
- Recognizes People, Process, and Technology as enablers for success
- Engages the entire organization to innovate and contribute to value
- Involves other partner technologies as appropriate to support success

Customer Success Team Focus....



Assets



Multiple
Sensors

Plant



Multiple
Assets

Enterprise



Multiple
Plants

Community



Multiple
Enterprises



NEW OSIsoft IoT Focus



Our Data Collection Technologies

NEW!

PI
Connectors



Plants

Edge Data
Store



Assets

Open Edge
Module



Devices

OMF
Application



Sensors

1,000,000's ←

Data Streams



100's

High ←

Compute Resources



Low

Cell Tower Digital Transformation

Solving IoT Problems for IoT...

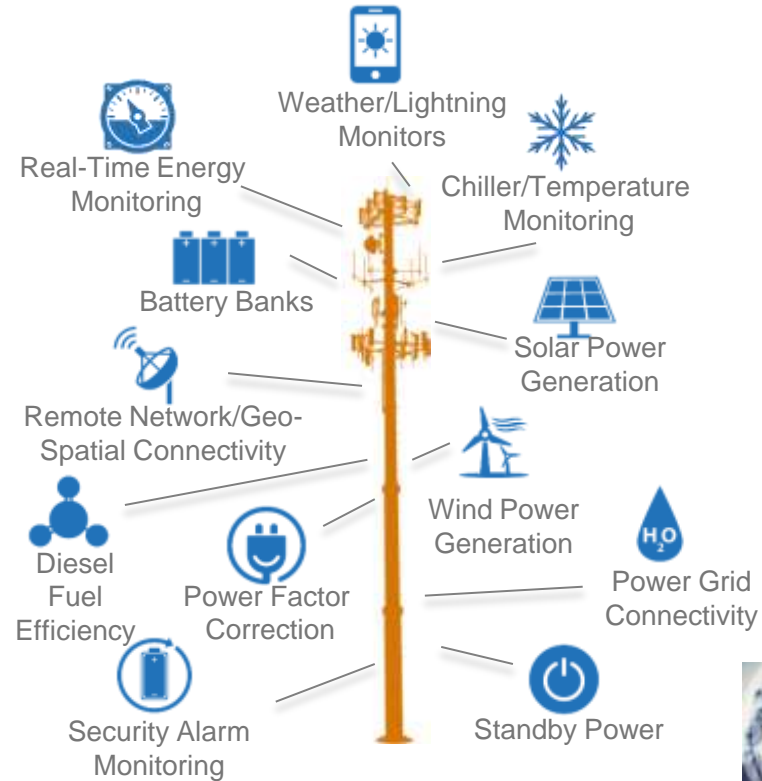


Need

- Better critical asset awareness
- Reduce fuel Costs

Challenge

- Multiple disconnected systems
- Multiple data silos



Assets



Multiple
Sensors

Plant



Multiple
Assets

Enterprise



Multiple
Plants

Community



Multiple
Enterprises

Context is Critical as You Scale

1 | Data

Boiler-209.Fuel Gas Flow DC.Srv01R 94:GRDIDX.Trigger AC09.Power
 GE01_DT 409510395_Wind Speed QI-109 GE01_DT CoolingFan-711.Feed Rate
 DC.SJ.PUE TI-102 DC.Zero DY-108 DC.SJ.C1.Z3.R3.PDU1.PF GE01_A_DT
 403511195_Wind Speed DC.Srv01R Boiler-125.Fuel Gas Volume
 1-16.Net Volume CB1992_MS 0_CMP_FLOW_TOTAL GE02_Energy
 Anacortes Refinery.Alkylation.Assets Problems B210_FG005.KPIExcursion
 AlarmTest.Input.Float32.1 AQUA2-TI-201.PV DC.SJ.SiteRealTimeLoad.PWR
 FT9001 bf5e1d1d-39c9-4b5b-b3d3-c2ce05fa3a26 GE001R AT401
 0_CLR_FINAL_OUT_B_TMP F506_E990 339511775.Clear Sky Global Horiz GE01_DT
D-110.Tank Pressure.PV Boiler Feed Pump #1
FIC-144 02F100 fasttag
FI-151 0_ENG_AUX_STS DC.C2Z1.Pwr.Ripple
 02F102.1HRAVG BGT001 PI-111 facility_output FI-111
 GE05_Energy C1:14AT5 1-8.Net Volume
AC03.Air Flow FeedBin.Cmt Coal Motor Load
 Boiler Cold Reheat Pressure 02F100.TOT.EV
B737_FG117 DC.TimeLoad 03LBA32CT001-2
 DC.SJ.ITLoad.PWR
D-110.Tank Pressure.PV TI-145 FR2001
 GE04_DT QI-121 GE03_V_WIN TI-178 GE04_OS
DC.Rk07R DC.Srv06R FT9001 FT9001
 GE04_Energy TI-121 FT9001 FT9001
 FAC.OAK.Power-Kh-Val.PV FR5001 AF_NOISE

FeedBin.Cmt
 DC.Zone1.Number
 DailyTrigger
 FrqPrbCost_ER

DY-131
 DC.SJ.PUE
 fic1001.C
 GE02_DT
 GE01_DT

2 | Information


Real-time Decision Support


Weather Conditions

Relative Humidity:
 34% Current Temp:
 85 °F High: 92 °F
 Low: 57 °F
 Wind: 8 mph/N

Crude Furnace

Draft Pressure: -0.5 WC
 Stack Temp: 316 °F
 Oxygen: 2.5%
 Firebox Temp: 860 °F
 Outlet Temp: 840 °F Cold
 Oil Velocity: 6 ft/sec

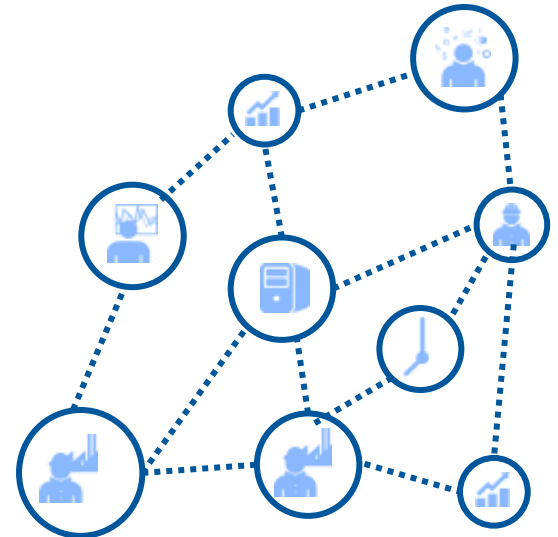
Energy Efficiency 

Downtime 

Total Production 

3 | Intelligence

Business/Operation Analytics



Example: Remote Operations of the Ivar Aasen Field (AkerBP)



Challenge

- Operating offshore production platform in a harsh environment and remote location
- Minimum offshore operational team
- Leverage onshore key expertise
- Condition monitoring to ensure asset uptime and efficient maintenance campaigns

Solution

- Fully integrated Electrical, Automation and Digital solution
- Onshore operations center for seamless remote operations
- Advanced condition monitoring of critical equipment
- Expert support based on real time big data and analytics
- Lifecycle process simulation and training software



Less people
on the
platform



Lower
costs



Increased
recovery

Offshore installation trend: Remote Control 1000 km away from offshore Platform Vendor expert support from different onshore locations



Aker BP
Trondheim
Siemens A

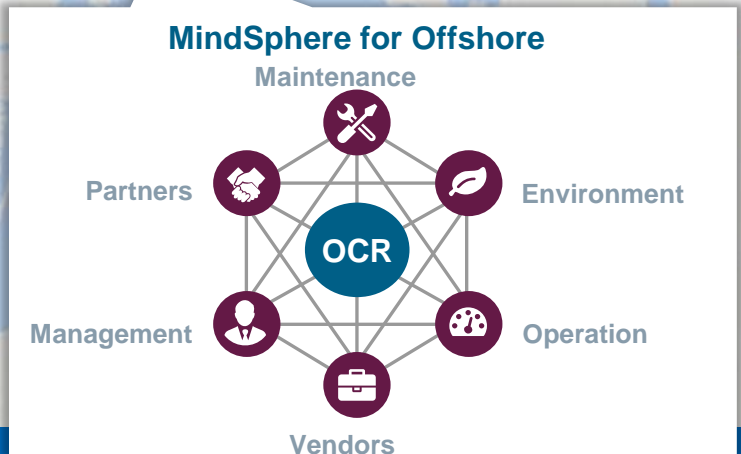


Ivar Aasen

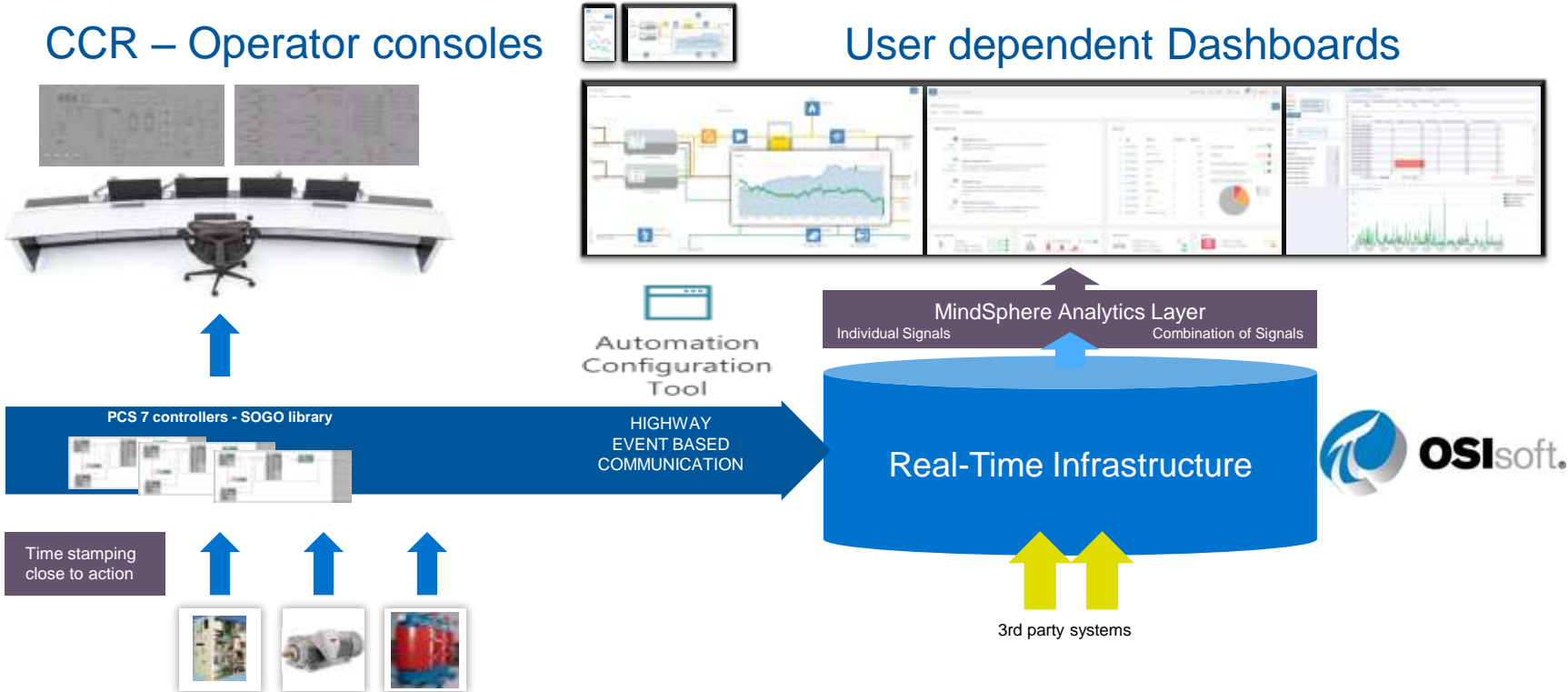
1000 km

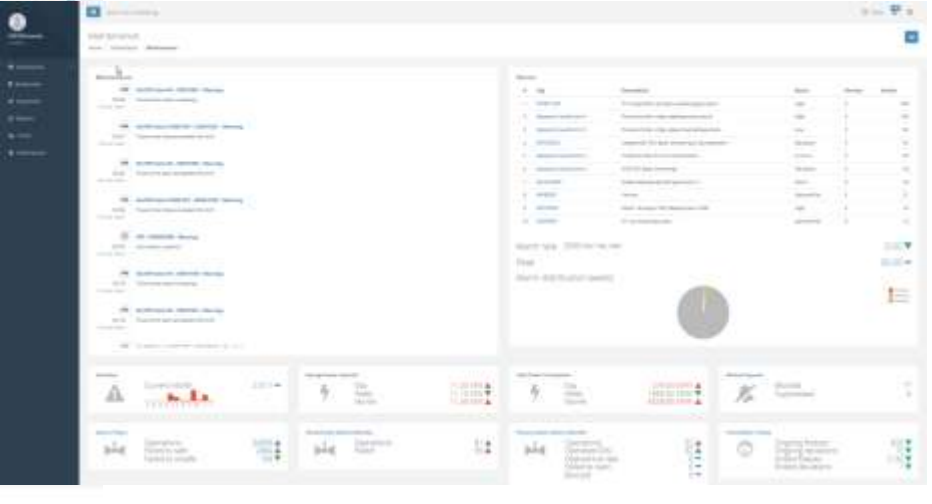
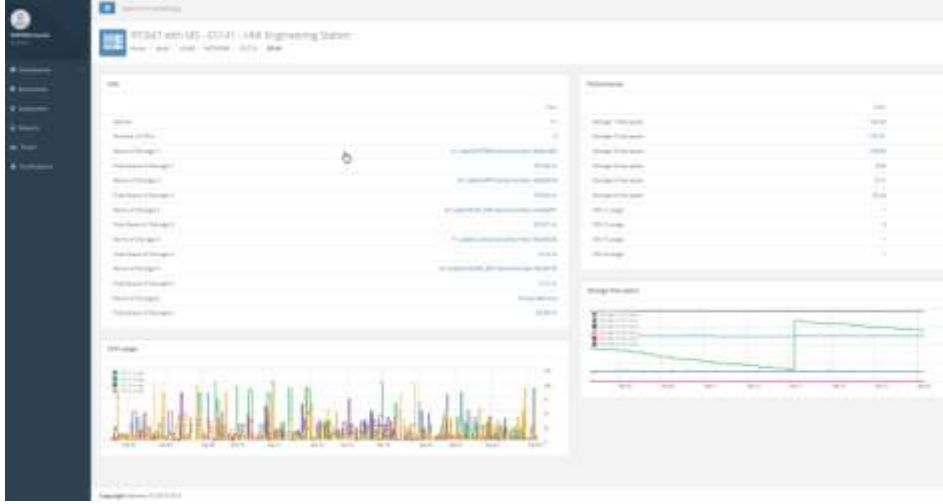
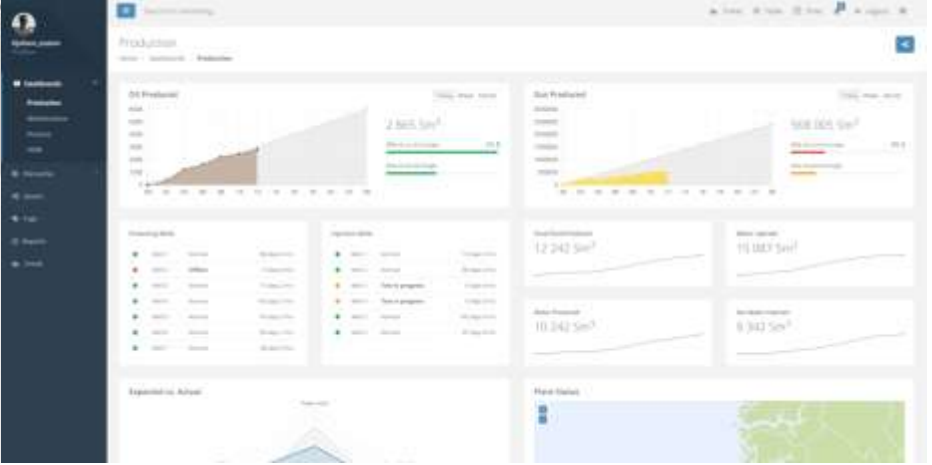
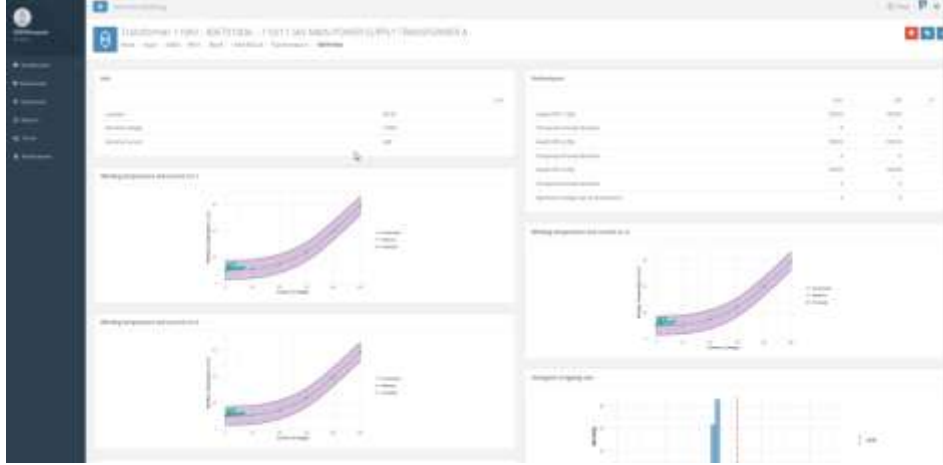
Siemens B

Siemens C



Siemens MindSphere for Offshore solution





Why OSIsoft PI System?

- Asset Framework: ability to add context to the data
- High performance and scalability
- Integrations to 3rd party solutions
- World class support
- Complementing business roles and focus



Summary

COMPANY and GOAL

- 1) Aker BP aim to be the leading independent E&P Company Offshore
- 2) Target is to have a production cost < 7\$

SIEMENS
Ingenuity for Life



CHALLENGE

High costs of staffing, operation and maintenance of offshore installations

- ~1M\$ per offshore position
- Expensive and time consuming transport of maintenance vendors offshore
- Reduce HSE risks

SOLUTION

Based on PI System-Infrastructure and AF to support a low staff installation offshore.

- Condition and Performance Monitoring
- Notifications based on equipment analytics
- Expert support based on real time big data and analytics

RESULTS

Predictive maintenance supporting low staffing

- Condition monitoring to ensure efficient maintenance campaigns
- Avoidance of unnecessary maintenance
- High equipment uptime
- One version of the truth for Offshore / Onshore and Vendors

Why Enterprise Agreement

COMPANY and GOAL

1. Reduce internal overhead in managing PI usage
2. Increase use of OSIsoft software suite capabilities
3. Prepare the data historian architecture for future expansion



CHALLENGE

5 years back we were a small company with 150 people and 1 coming asset

- Internal resources were scarce
- No internal specialists to handle such a system
- Unknown cost picture with regards to new assets
- Get away from fund searching for any change we wanted to do

SOLUTION

EA to get a clear view of current and upcoming costs

- Ability to have unlimited tags, interfaces and servers
- No limits for logging production data
- Future growth made easy

RESULTS

A well known cost picture tied to produced quantities

- An optimized infrastructure
- Lower admin costs
- Access to technical expertise on a new level
- Unified data transportation
- In basic, no constraints

Assets



Multiple
Sensors

Plant



Multiple
Assets

Enterprise



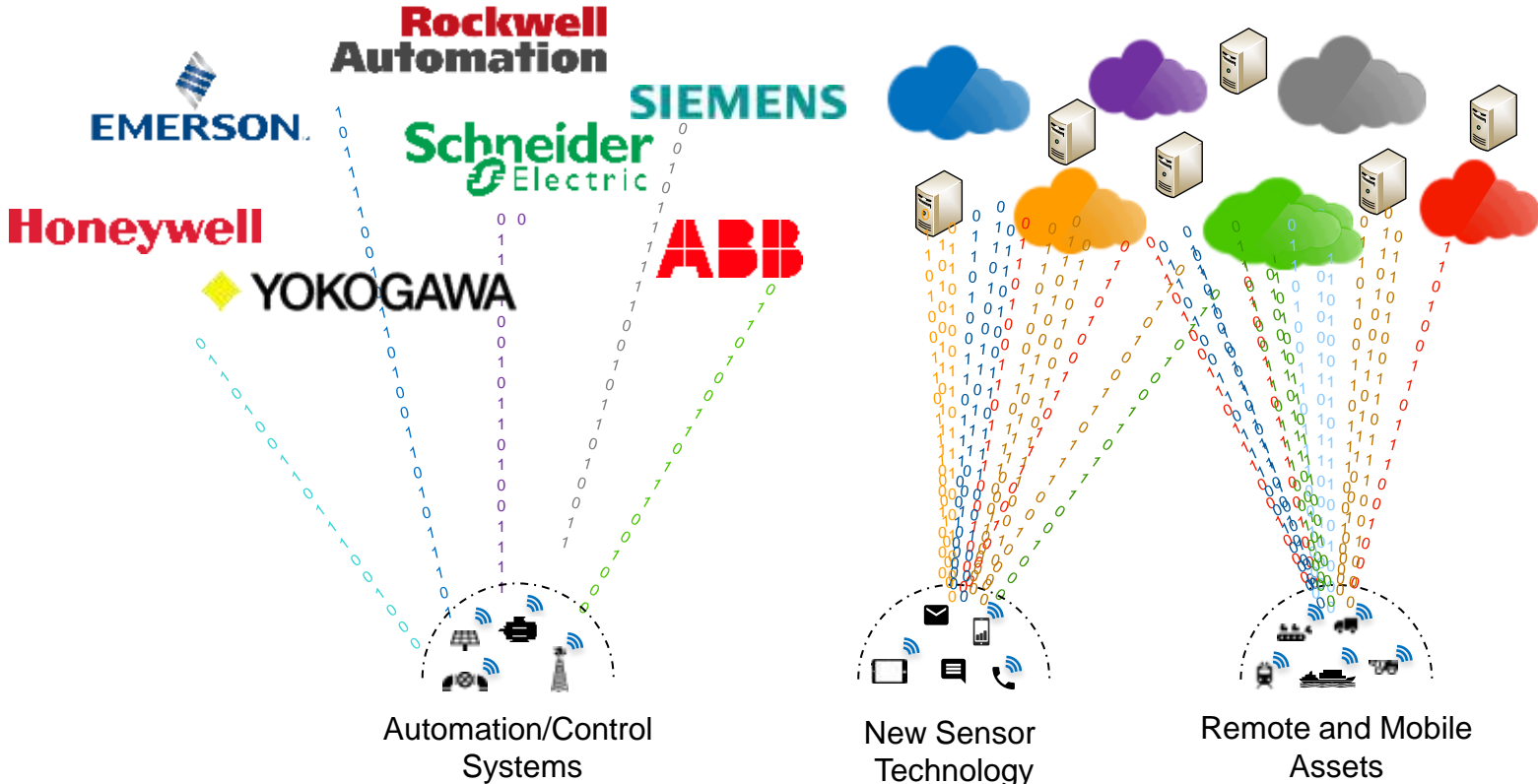
Multiple
Plants

Community

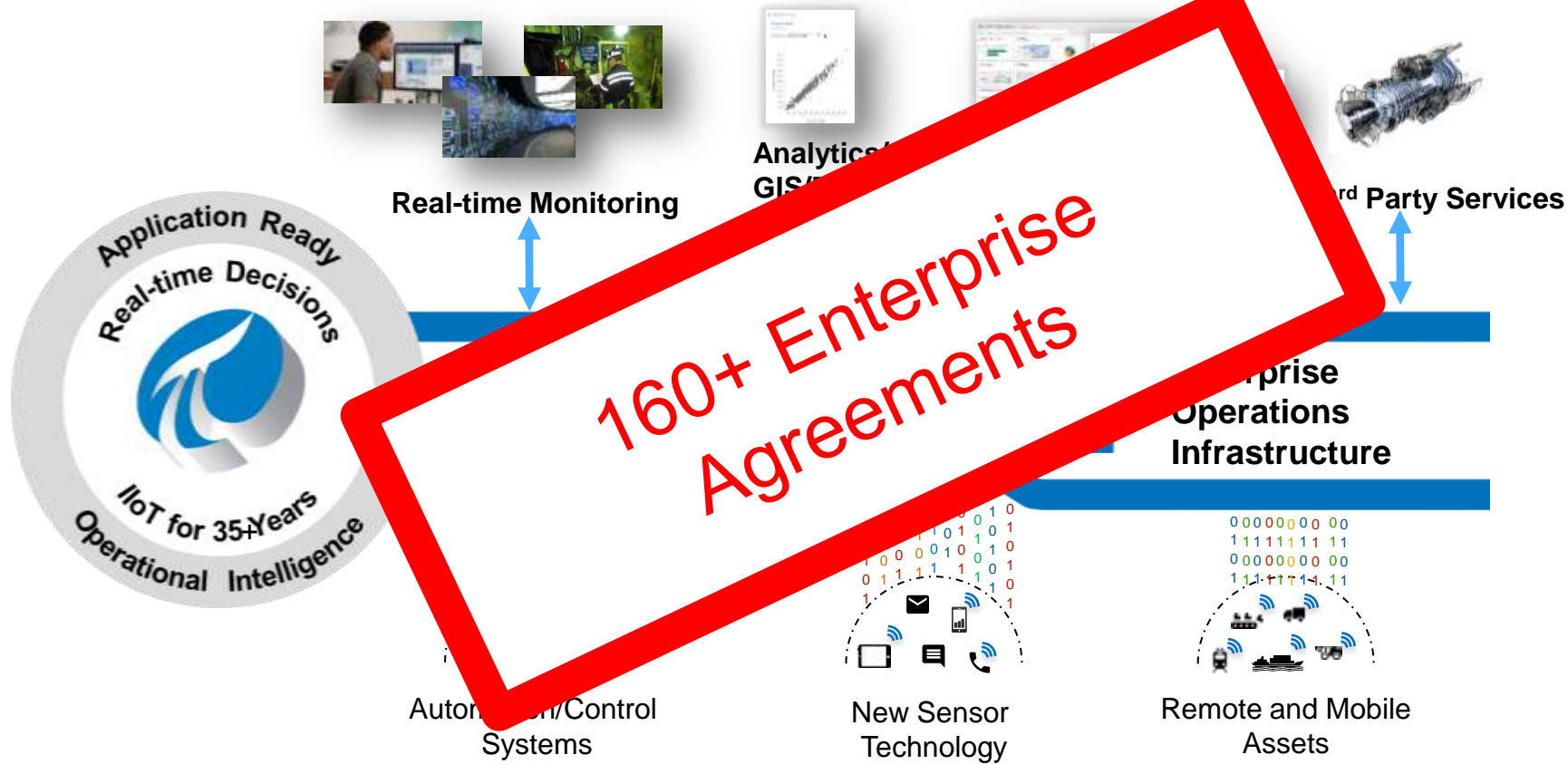


Multiple
Enterprises

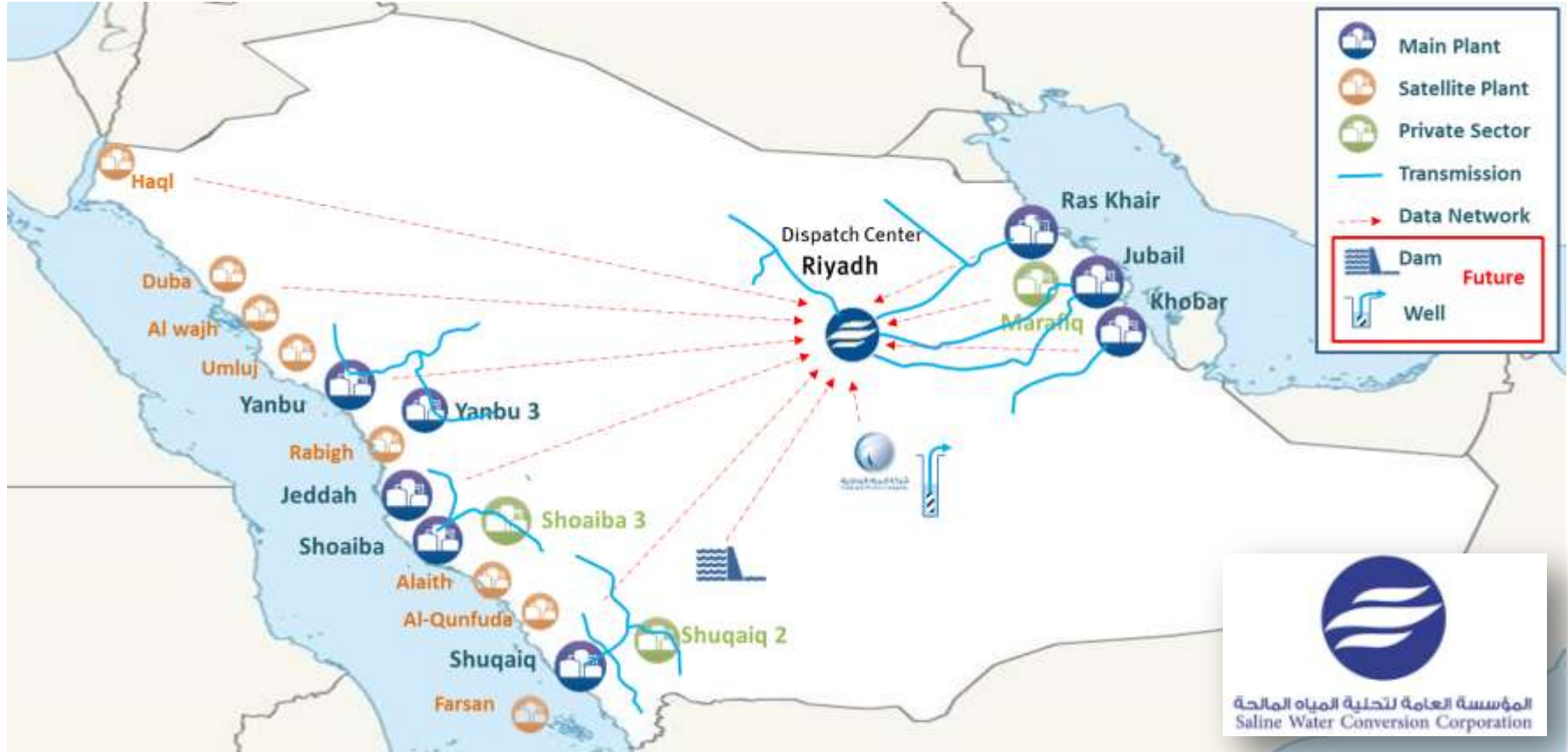
The Enterprise Data Challenge



Strategic Approach to an IIoT Enabled Enterprise



SWCC Plants and Transmission System



Objectives of the Project



المؤسسة العامة لتحويل المياه المالحة
Saline Water Conversion Corporation

- Economic operation of production units and transport systems
- Integrated coordination between all producers, beneficiaries, supporting and transport systems
- Prepare daily and monthly reports on production and transport performance indicators
- Strategic Water Inventory Management.
- Projected production management of production units, private sector companies and the needs of the directorates and the National Water Company
- Planning scheduled and emergency maintenance and shutdowns

Leveraging the PI System to Monitor SWCC Water Production and Transmission Facilities

COMPANY and GOAL

SWCC aspires to be a world pioneer in seawater desalination; for this purpose, the dispatch center is aimed at supporting this vision by a **central, optimized water network management and monitoring system**



CHALLENGE

Most of the SWCC Water Transmission and Production Facilities information are scattered in different formats and geographically dispersed KSA

- **Implementation Challenges:**
 - Sites Infrastructure Installation and Integration with different systems
 - Tag Data Mapping from multiple plants
 - Design and Confirmation of more than 400 PI Vision Business screens from scratch for Plants

SOLUTION

Integrated **Water Management System**
PI System constitutes the corner stone, together with Esri GIS Platform and IT/OT applications

- PI System for data acquisition from the production plants and as archive for performance review reporting
- PI System for exchange of data and interfacing with applications such as the ESRI GIS, Hydraulic Modelling and others
- Integrated Solution Implemented by **Khatib & Alami**: PI Vision, CDI, PI Integrator for Esri ArcGIS, Data Manager and scheduler (Poyry)

RESULTS

- **Real Time Operation:** Deal with emergencies declared by plant operator to shift production where necessary or instruct compensation from storage. Reduce time for Decision Making
- **Operational Planning:** Coordinate the demand and supply to ensure safe, secure and economic satisfaction of the customer. Improve efficiency in Operations
- **Performance Review:** Post-event analysis of what happened on the day

Functionality



المؤسسة العامة لتحويل المياه المالحة
Saline Water Conversion Corporation

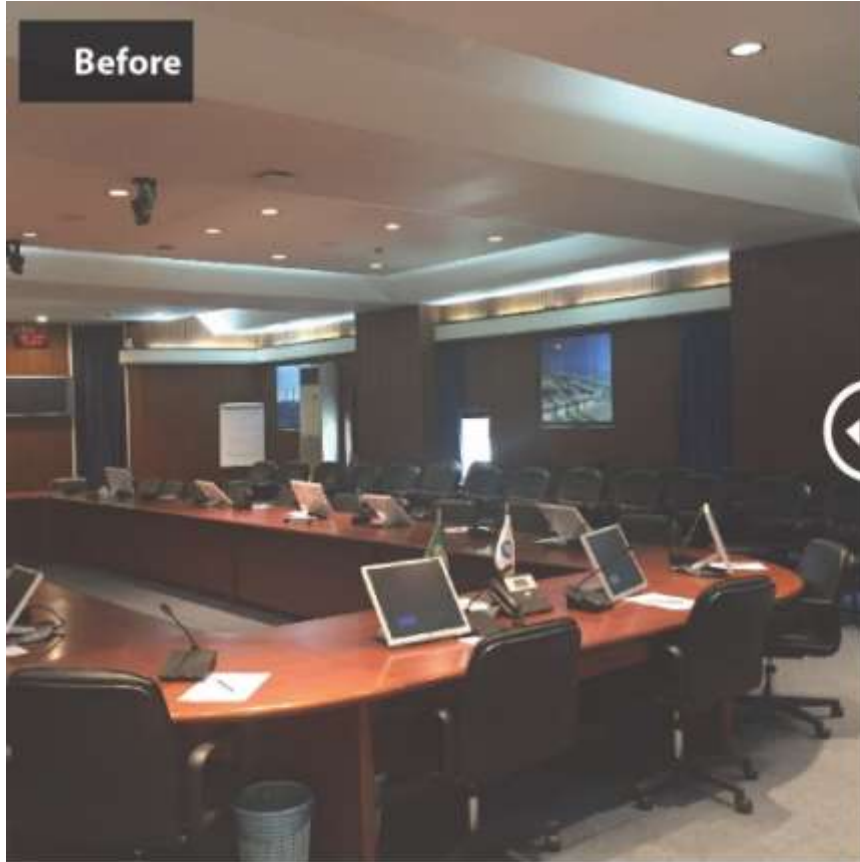


Water Network Manager

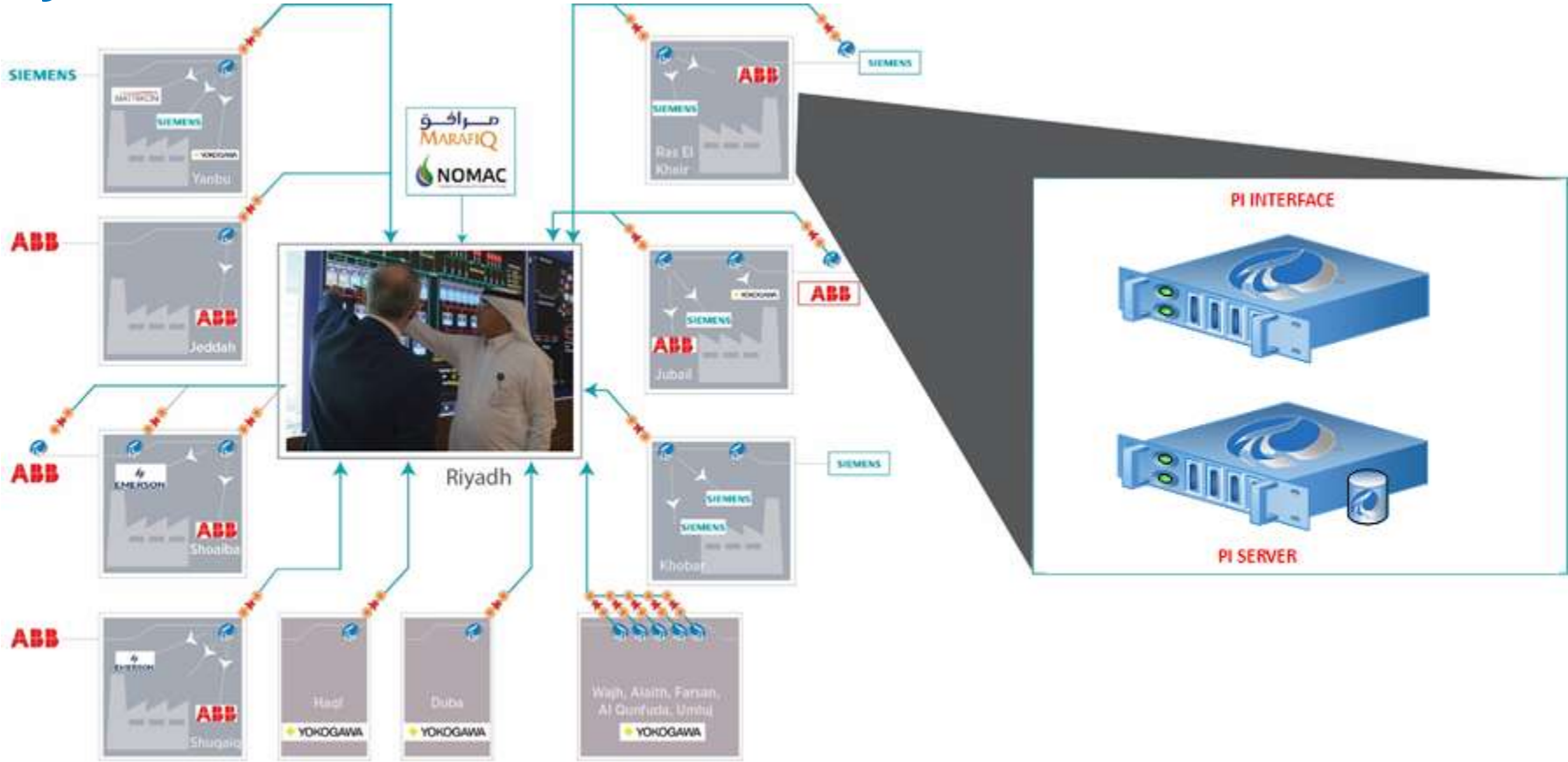
Dispatch Center



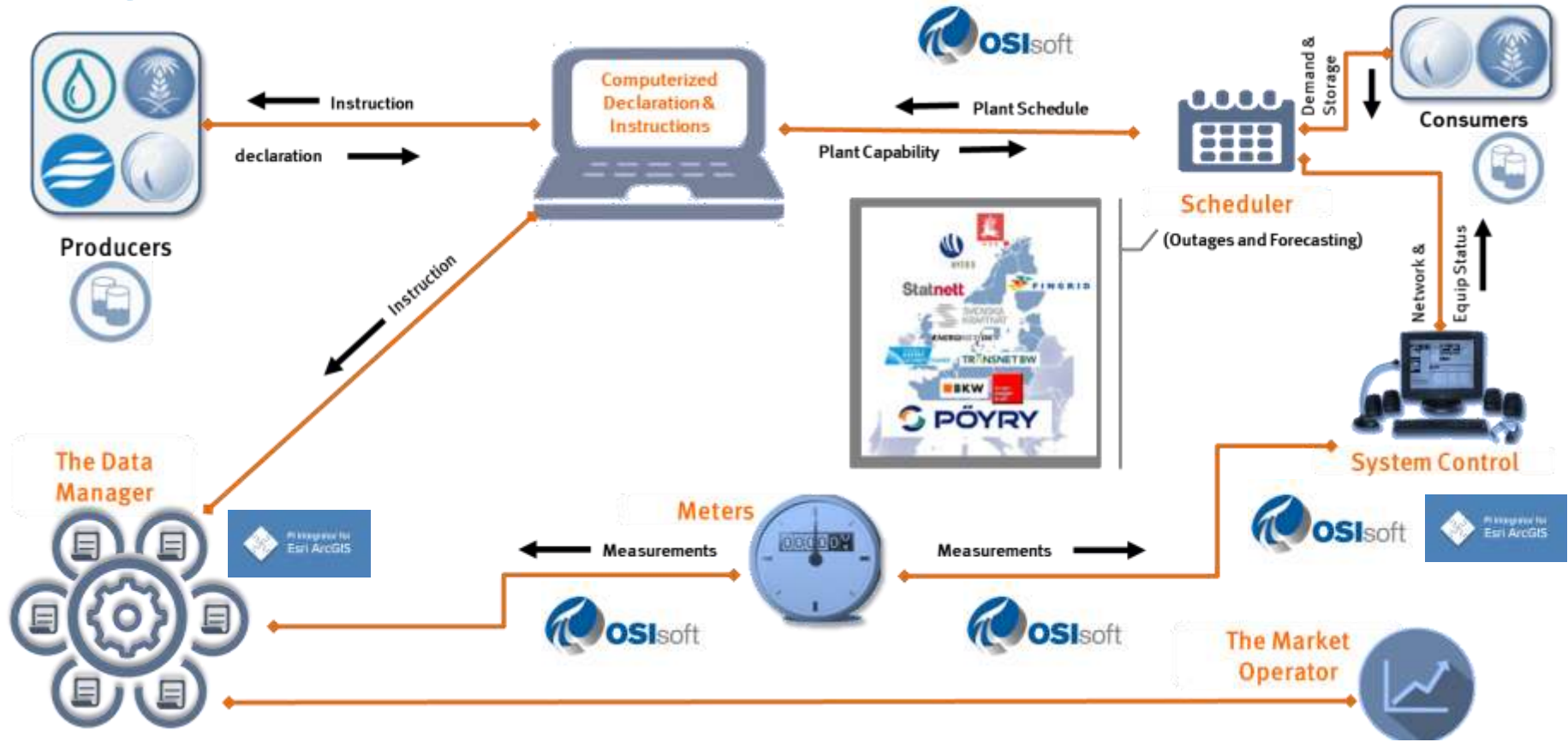
المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation



System Architecture



Integrated Solutions



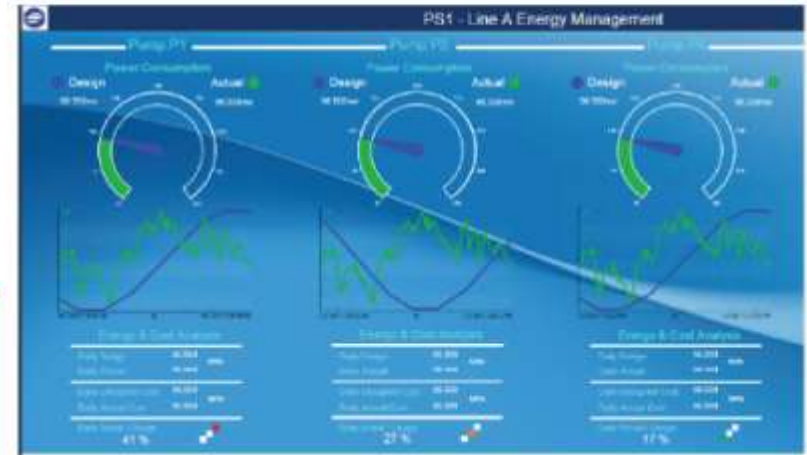
Integrated Solutions



المؤسسة العامة لتحويل المياه المالحة
Saline Water Conversion Corporation

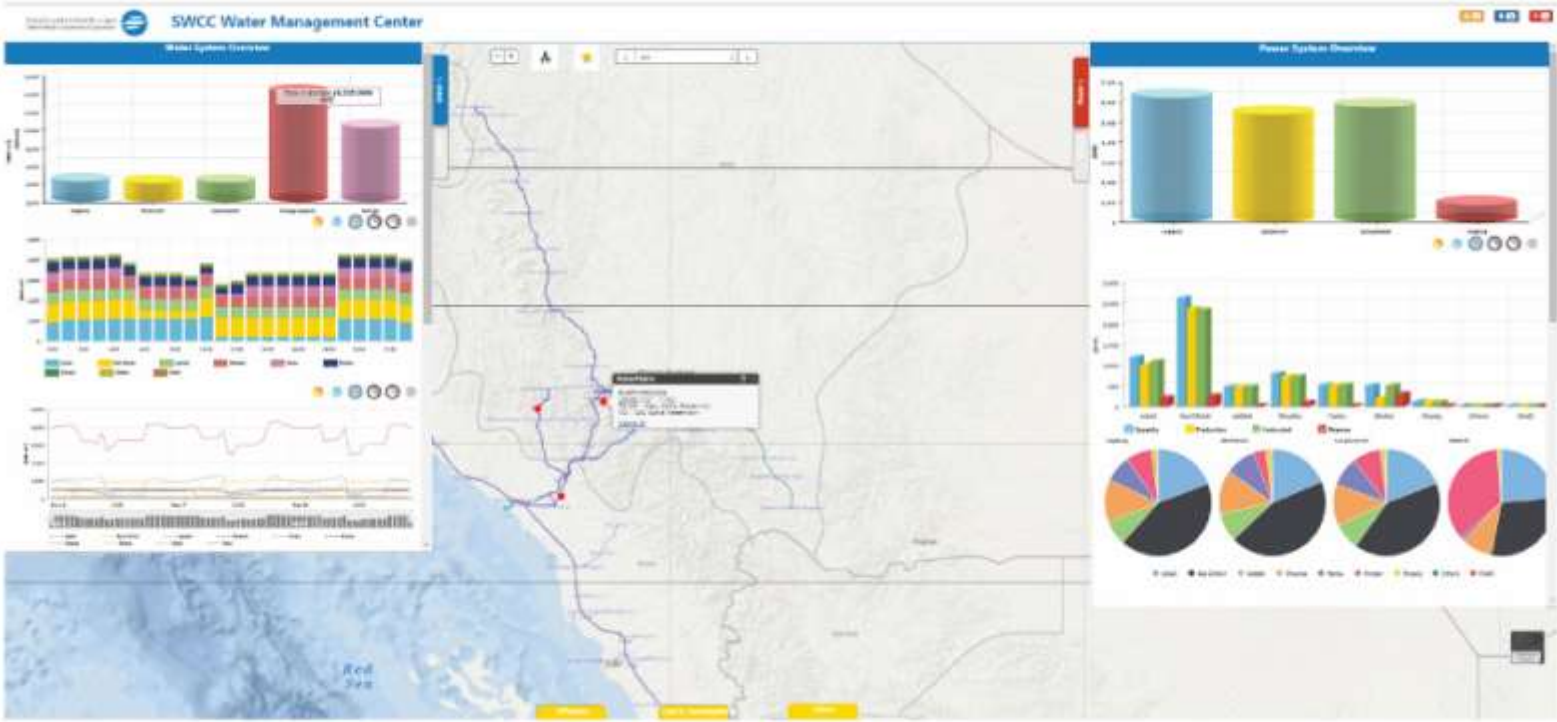


PI Vision



PI Vision

Integrated Solutions



SWCC GIS Dashboard

Integrated Solutions

Form CODE:
 User No:

Plant Name:
 Connection No:

Unit1						
Hour	Available Capacity m3/h	Condition				
		Cold	Warm	Hot	In OP	
1	21	●	○	○	○	
2	14	○	○	●	○	
3	15	●	○	○	○	
4	14	○	●	○	○	
5		○	○	○	○	
6		○	○	○	○	
7		○	○	○	○	

Unit2						
Hour	Available Capacity m3/h	Condition				
		Cold	Warm	Hot	In OP	
1	16	○	○	●	○	
2	20	○	●	○	○	
3		○	○	○	○	
4		○	○	○	○	
5		○	○	○	○	
6		○	○	○	○	
7		○	○	○	○	

Unit3						
Hour	Available Capacity m3/h	Condition				
		Cold	Warm	Hot	In OP	
1	21	○	○	●	○	
2	16	○	○	○	●	
3	20	○	○	○	●	
4	17	○	○	○	●	
5		○	○	○	○	
6		○	○	○	○	
7		○	○	○	○	

CDI

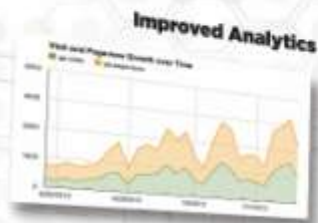


Gain Operational Intelligence



GIS

Potentials



Assets



Multiple
Sensors

Plant



Multiple
Assets

Enterprise



Multiple
Plants

Community



Multiple
Enterprises

Connecting the Value Chain



Strategic Approach to Community Enablement

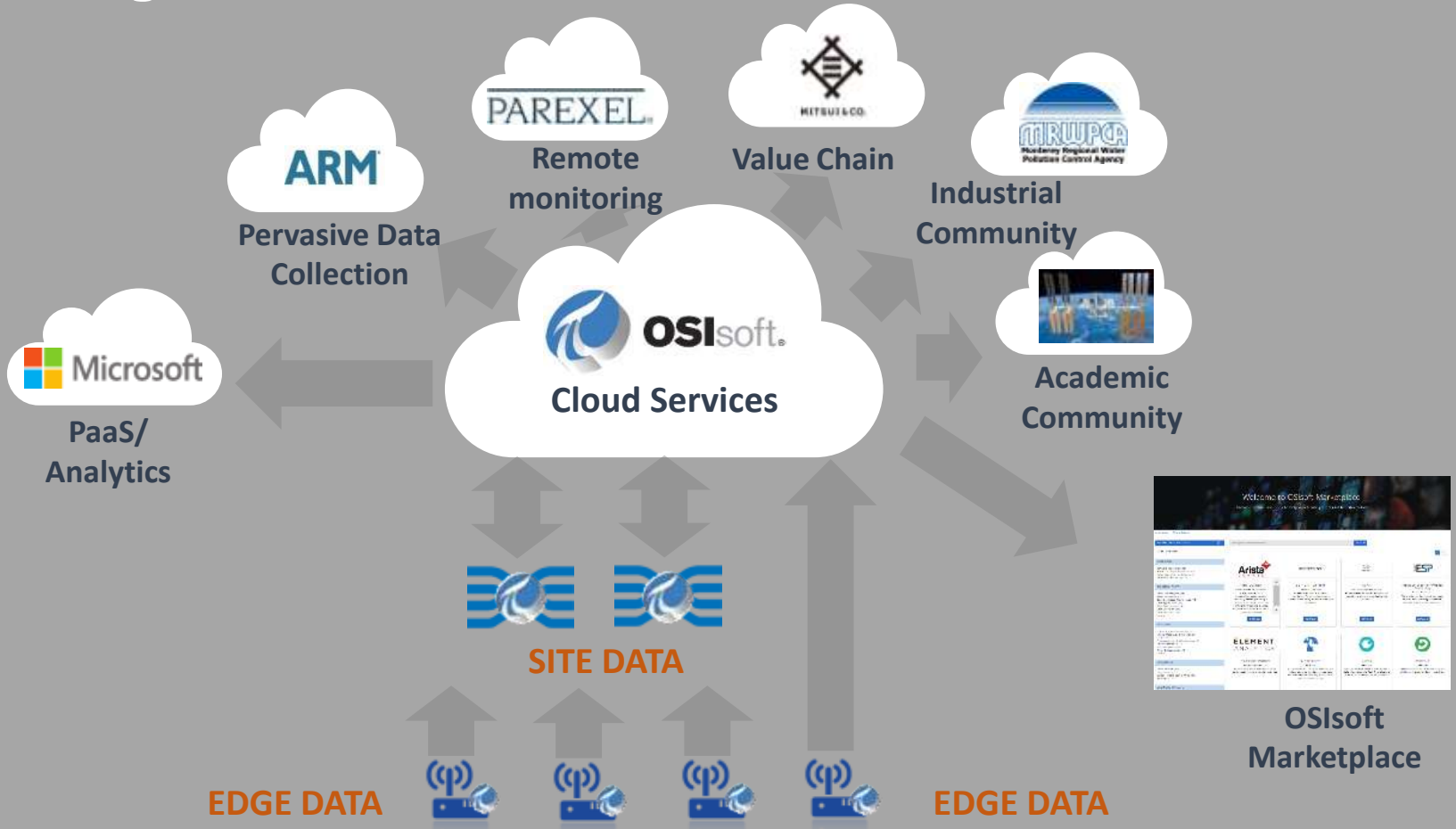


Announcing: OSIsoft Cloud Services



The screenshot shows the OSIsoft website's Cloud Services page. At the top, there is a navigation bar with the OSIsoft logo, "Regional Sites", "Language", "Events", "Community", and "Contact Us". Below this is a secondary navigation bar with "Home", "PI System", "Solutions", "Support", "Partners", and "About OSIsoft". The main content area features a large blue banner with the heading "Expand Your World" and a sub-heading "Operational Intelligence > Solutions > Cloud". The banner text reads: "Accelerate your digital transformation with OSIsoft's cloud. From the edge to enterprise to your community, centralize your equipment and operations data, share data and views, perform advanced analytics and collaborate to drive operational efficiencies and sustainability. All with the cloud." Below the text is a "See our Vision" button. To the right of the text is a large graphic of a central white cloud with the OSIsoft logo, connected to several smaller clouds with logos for "Lumada", "Microsoft", "Amazon", and "Cisco". Below the banner are three smaller images: 1. "OSISOFT MANAGED SERVICES" showing hands holding a glowing cloud. 2. "CLOUD CONNECTIVITY & ANALYTICS INTEGRATION" showing a cloud made of data points connected to a globe. 3. "SHARE & COLLABORATE WITH YOUR COMMUNITY" showing a hand holding a glowing cloud.

Introducing OSIsoft Cloud Services





OSIsoft Cloud Services & The Intelligent Cloud



Microsoft



Accelerate Innovation

Accelerate innovation with the cloud



Open and hybrid

Build freely, deploy consistently in the cloud & on-prem



Data-driven intelligence

Power decisions & apps with insights



Trust

Protect your business

A world map with a network overlay of white lines and dots. Overlaid on the map are 40 blue circles of varying sizes, representing Azure regions. The largest cluster is in North America, followed by a significant cluster in Europe. Other regions are scattered across Asia, Australia, and South America.

40

Azure regions

More than AWS and
Google combined

The Trusted Cloud

More certifications than any other cloud provider

GLOBAL



ISO 27001



ISO 27018



ISO 27017



ISO 22301



SOC1 Type 2



SOC 2 Type 2



SOC 3



CSA STAR
Self-Assessment



CSA STAR
Certification



CSA STAR
Attestation

US GOV



Moderate
JAB P-ATO



High
JAB P-ATO



DoD DISA
SRG Level 2



DoD DISA
SRG Level 4



DoD DISA
SRG Level 5



SP 800-171



FIPS 140-2



Section 508
VPAT



ITAR



CJIS



IRS 1075

INDUSTRY



PCI DSS
Level 1



CDSA



MPAA



FACT UK



Shared
Assessments



FISC Japan



HIPAA /
HITECH Act



HITRUST



GxP
21 CFR Part 11



MARS-E



IG Toolkit UK



FERPA



GLBA



FFIEC

REGIONAL



Argentina
PDPA



EU
Model
Clauses



UK
G-
Cloud



China
DJCP



China
GB 18030



China
TRUC
S



Singapore
MTCS



Australia
IRAP/CCS
L



New Zealand
GCIO



Japan My
Number Act



ENISA
IAF



Japan CS
Mark
Gold



Spain
ENS



Spain
DPA



India
Meit
Y



Canada
Privacy Laws



Privacy
Shield

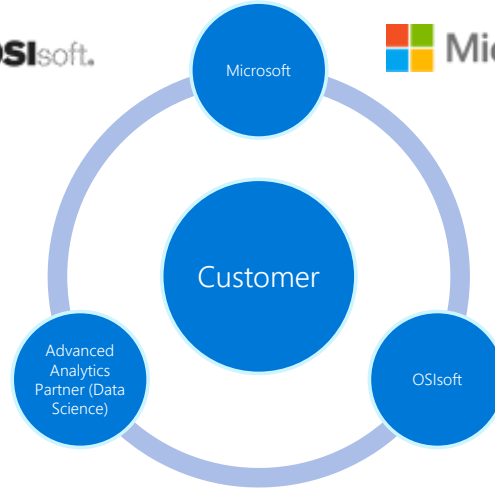


Germany IT
Grundschutz
workbook

Red Carpet Incubation Program (RCIP)

"We like the **agile approach of OSIsoft and Microsoft's Red Carpet Incubation Program** for rapid operationalization of advanced analytics, **helping us to harness the potential of digital technology and unlock value across Barrick's business,**"

said **Ed Humphries, Barrick's Head of Digital Transformation.**



IoT Analytics Workbench
(Azure-based)



FINGER
FOOD

pmOne



The Red Carpet Incubation Program (RCIP), a comprehensive collaboration between OSIsoft and Microsoft, is designed to reduce the burden of data preparation by adding contextualization and insights from OSIsoft's PI System to support Industry 4.0 initiatives related to using Azure-based Internet of Things (IoT) and AI solutions.

Red Carpet Incubation Program for AI (RCIP-AI)



Discovery

- Define use case & value proposition
- Setup system access
- Identify relevant data
- Setup RCIP IoT Analytics Workbench
- Install PI Integrator for Microsoft Azure
- Install Microsoft Data + AI + IoT



Exploration

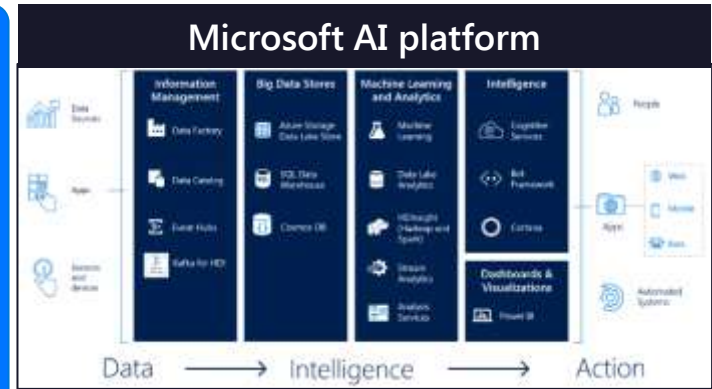
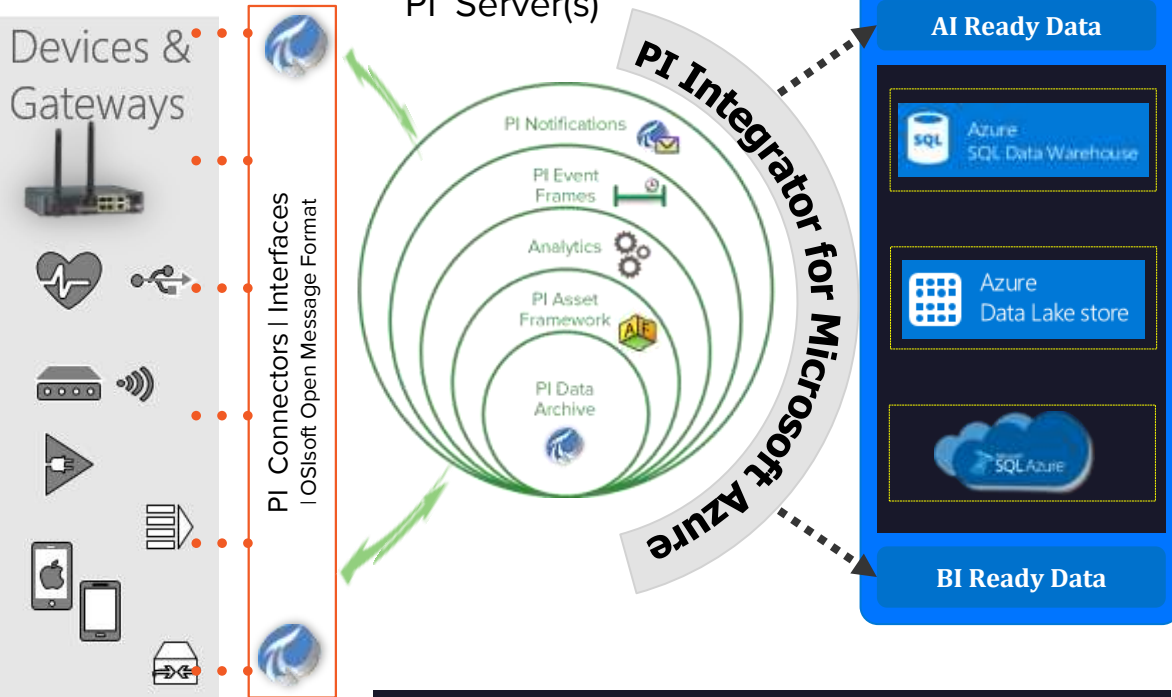
- Generate hypothesis with SME
- Create data model & view
- Run experiments in Azure ML
- Analyze results
- Update hypothesis & iterate



Operationalization

- Store predictions in PI System
- See predictions in PI Vision
- Slice and dice data in Power BI
- Present results to stakeholders
- Train and handover

RCIP-AI



Ingredients for successful RCIP IoT Analytics
Data (Past | Present | Future) + Context + Insights

Pre-RCIP Customers

 Food & Drink	 Chemicals
 Pharma	 Oil & Gas
 Power	 Oil & Gas
 Oil & Gas	 Oil & Gas

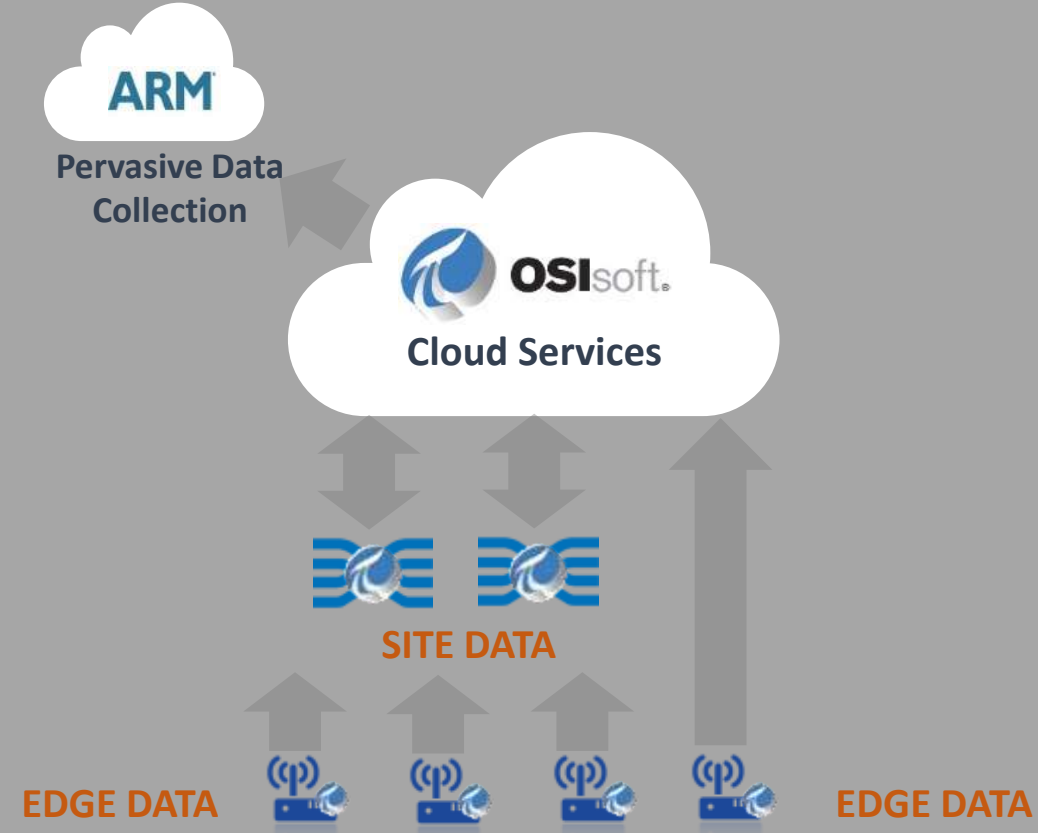
Don't wait any longer
Add Your Logo here

Your Industry

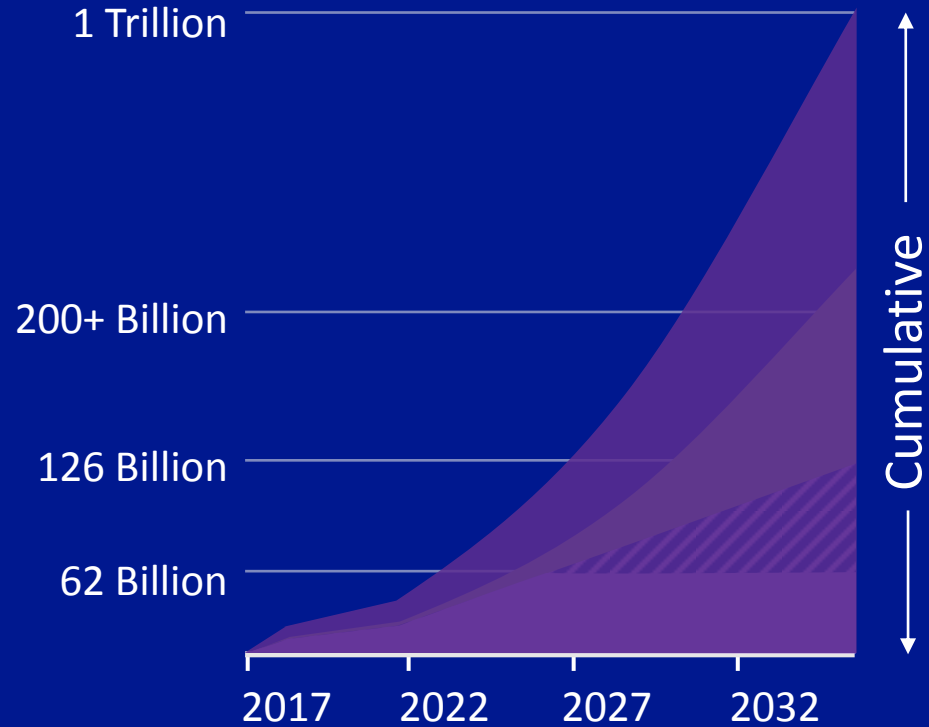
RCIP Customers

Consumer Goods	 Food & Drink				
Chemicals	<table border="1"> <tr> <td> Germany</td> <td> USA</td> </tr> </table>	 Germany	 USA		
 Germany	 USA				
Discrete MFG	<table border="1"> <tr> <td> Industrial (Japan)</td> <td> Auto (Europe)</td> <td> Industrial</td> </tr> </table>	 Industrial (Japan)	 Auto (Europe)	 Industrial	
 Industrial (Japan)	 Auto (Europe)	 Industrial			
Healthcare PHARMA	 Germany				
Oil & Gas & Mining	<table border="1"> <tr> <td> Mining</td> <td> Mining</td> <td> Mining</td> <td> Oil & Gas</td> </tr> </table>	 Mining	 Mining	 Mining	 Oil & Gas
 Mining	 Mining	 Mining	 Oil & Gas		
Power & Utilities	<table border="1"> <tr> <td> Power</td> <td> Power</td> <td> Water</td> </tr> </table>	 Power	 Power	 Water	
 Power	 Power	 Water			

Introducing OSIsoft Cloud Services



Seizing the trillion device opportunity



Source: Gartner, IDC,
McKinsey, BCG and Arm
Estimates

Creating smarter, more effective businesses



Connected spaces

50-60% of the IoT opportunities over the next 10 years are in connected buildings, factories and cities



Utilities operations

86% of companies report that device management is their key challenge in IoT



Connected asset intelligence

56% senior decision makers consider assets insights the most strategic outcome from IoT

Arm Mbed IoT Device Platform

We offer standards-based services to securely create, manage and unlock value from connected products to fast-track IoT deployments

World's largest partnership dedicated to IoT products and solutions

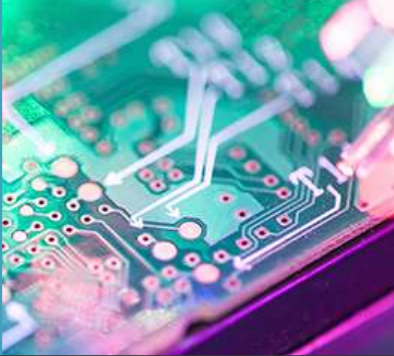

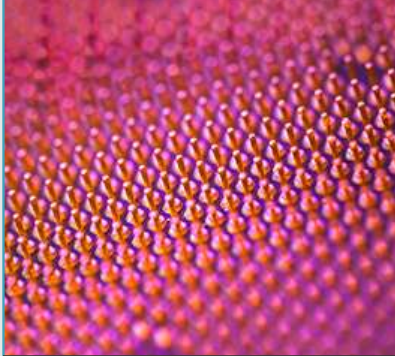

A community of 270,000 developers engaged in design and development of secure IoT

Strongest end-to-end security offering from chip-to-cloud and across the full device lifecycle

"This was rather ingenious as it allowed the evolution to begin."

Arm Mbed Cloud: A Much Needed Step For The Internet Of Things (IoT) – Nov 2016, Forbes

Arm Mbed IoT Platform differentiators

<p>Cortex-M</p> <p><i>Smallest/lowest power</i></p>  <p>Optimized for discrete processing and microcontrollers</p>	<p>Mbed OS</p> <p><i>Secure connectivity for low power</i></p>  <p>Platform OS built for secure IoT for the most constrained devices</p>	<p>Cortex-A</p> <p><i>Highest performance and flexibility</i></p>  <p>Optimized for high-level operating systems</p>	<p>Mbed Cloud</p> <p><i>Chip-to-cloud IoT platform</i></p>  <p>Optimized for secure device management and analytics for at-scale IoT</p>
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Underpinned by the industry's largest ecosystem on IoT

Connecting chip to cloud



IoT Device Application

Mbed Clients – Mbed OS, Tools

Device Silicon and Hardware

arm MBED

Mbed Cloud

- Device Update, Firmware Installation
- Device Provisioning, Identity, Onboarding
- Device Connectivity, Events, Monitoring

IoT Cloud Applications

Analytics and Rules Engines

App Management, Monitoring, Logging

Events, Streaming, Message Busses

VMs, Compute, Auto-scaling

Web Servers, Load Balancing

Databases, Caching, Storage, Archiving

Device Software

Device Services

3rd Party Cloud Platforms & Services

Public licensees and ecosystem partners



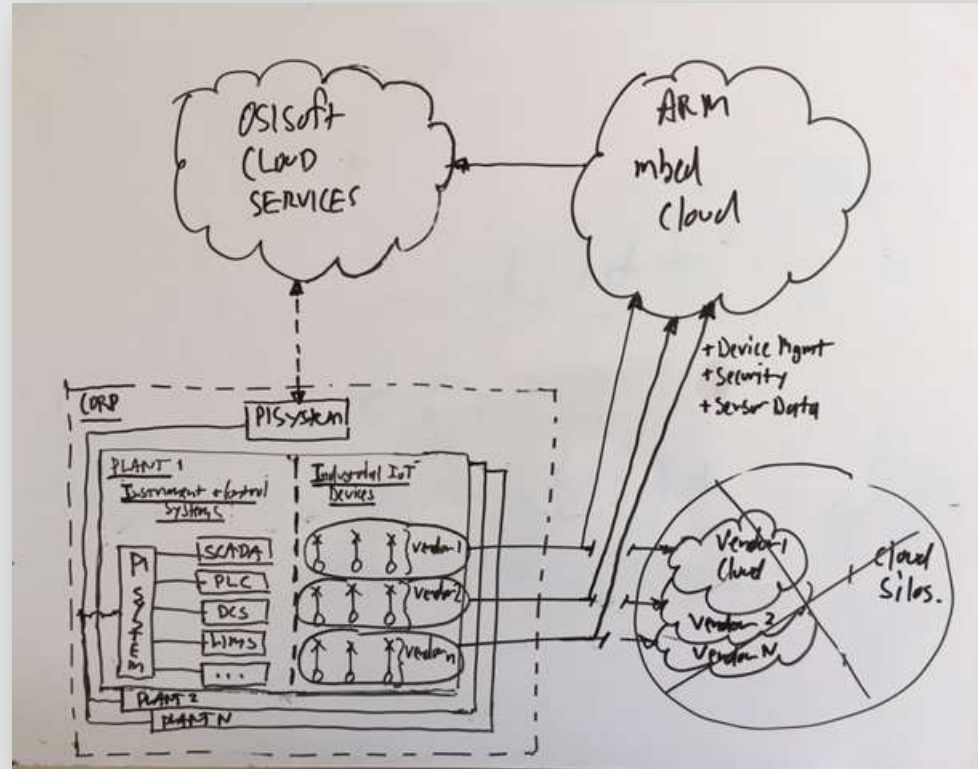
How can OSIsoft and Arm help you?

Problem today:

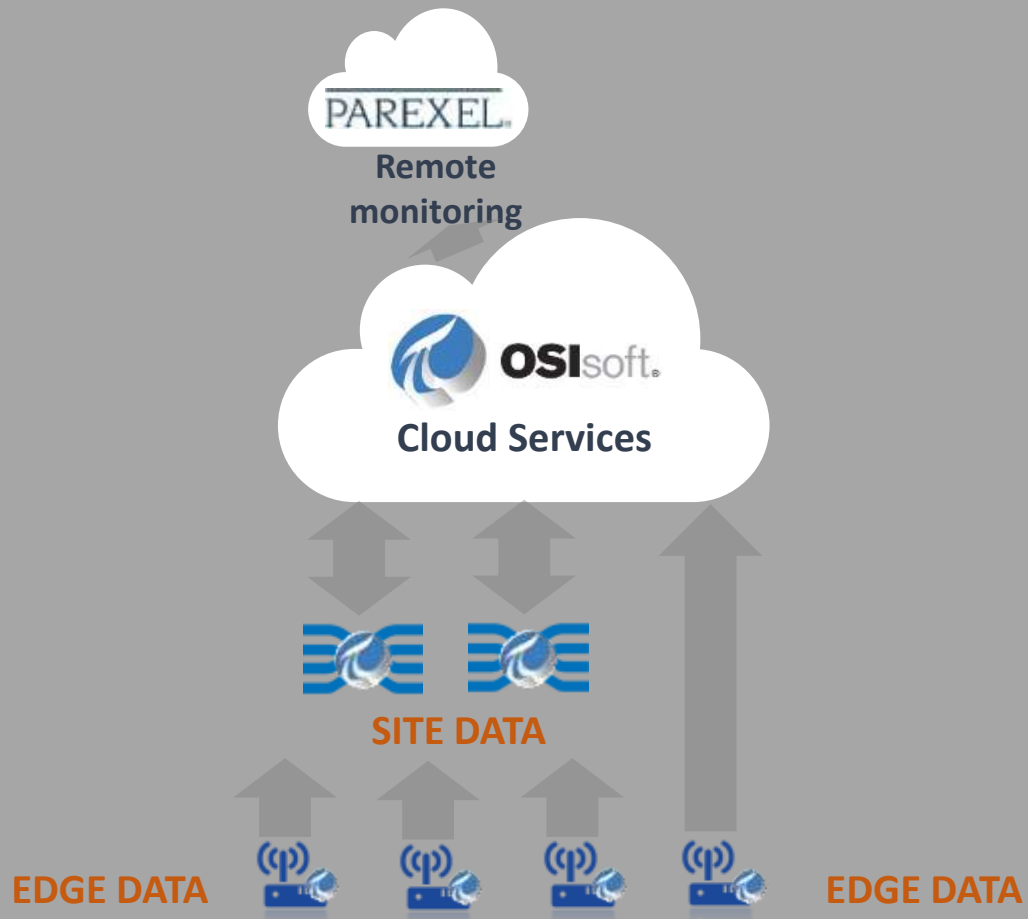
Multiple devices from multiple vendors connected to different cloud systems

Solution:

Mbed Cloud – securely manage all devices and connect to OSIsoft Cloud Services so customers can aggregate PI Data with existing and new IoT data



Introducing OSIsoft Cloud Services



ABOUT PAREXEL



- A leading global biopharmaceutical services organization, focused on clinical development and commercialization.
- We are 18,000 employees worldwide located in 85 offices - physicians, technologists, business process experts, and more
- We are dedicated to support drug development and bring new drugs to market

30+ years

assisting clients in pharmaceutical, biotechnology, and medical device industries



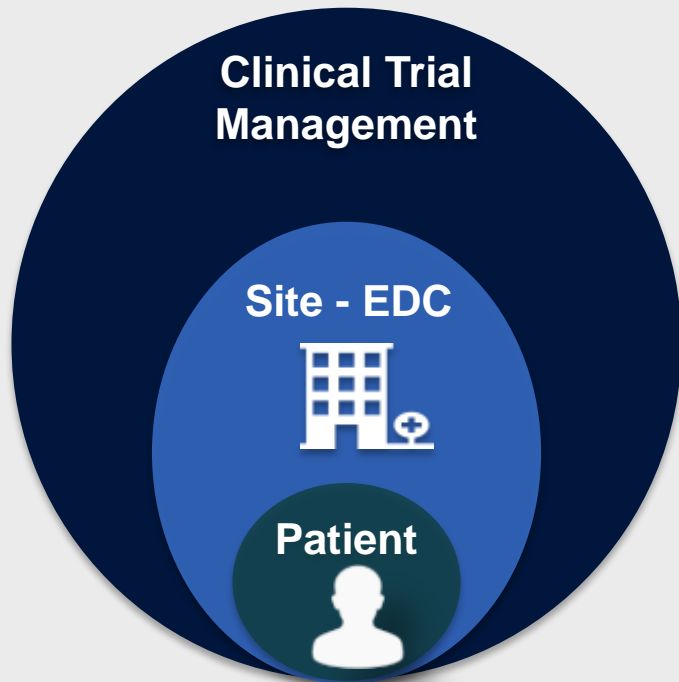
PHARMA INDUSTRY CHALLENGE



PATIENTS ARE AT THE CENTER, INCREASING QUALITY AND SPEED OF CLINICAL TRIAL EXECUTION

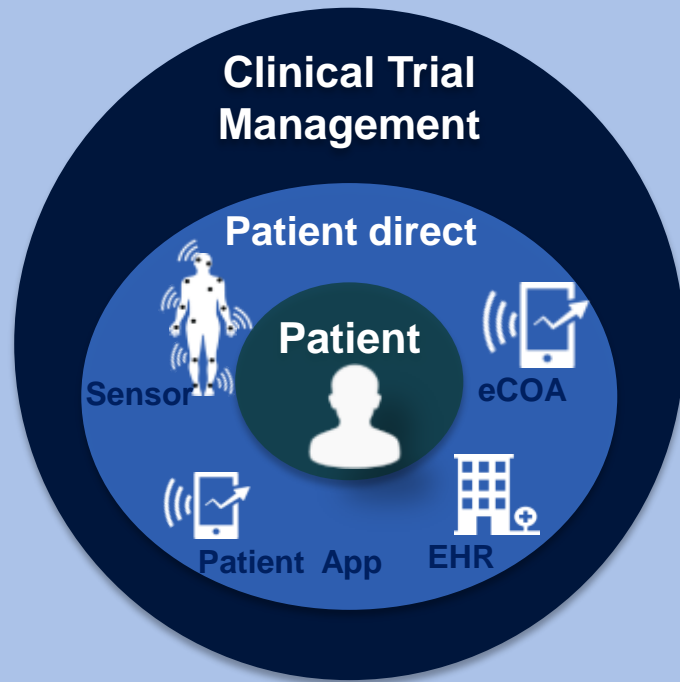
THE PAST

Patient interaction centralized through site

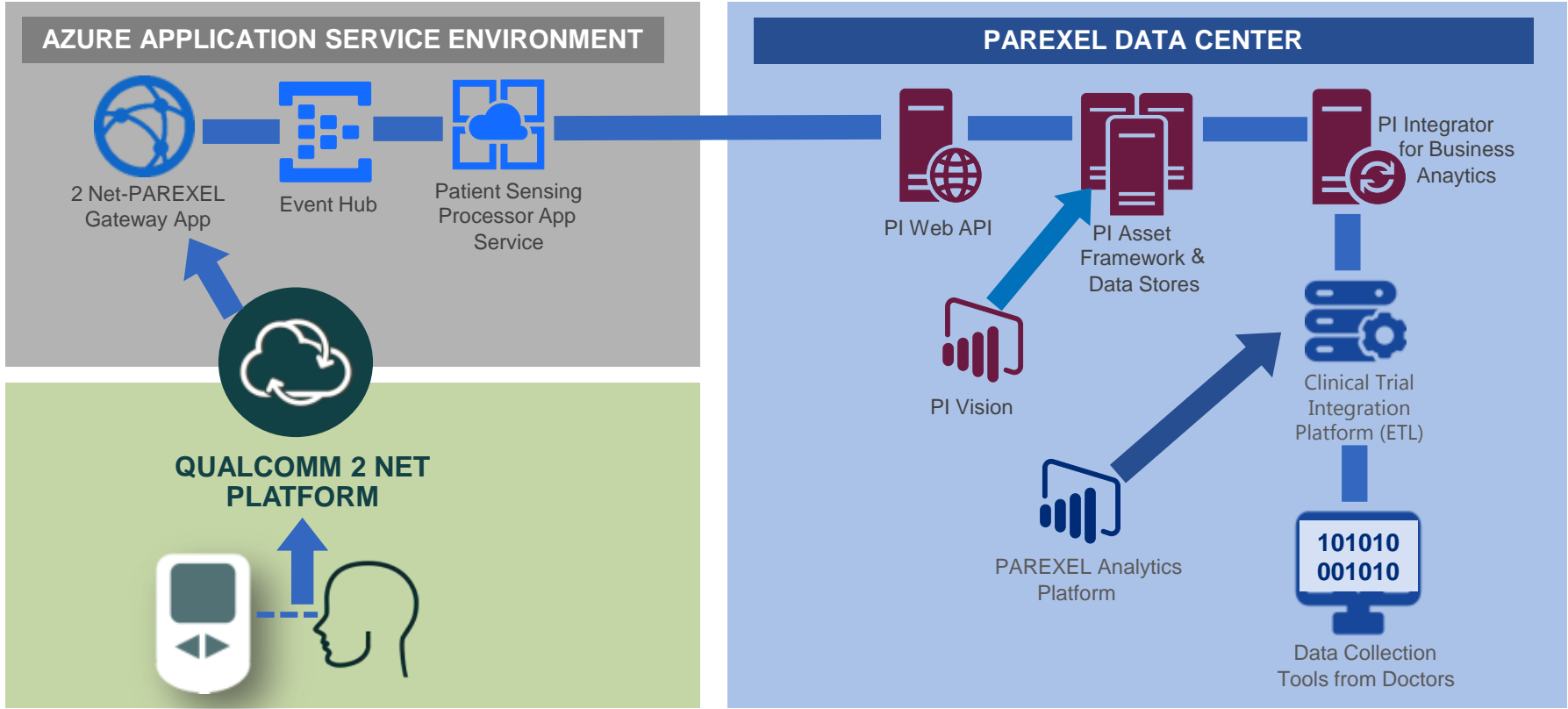


THE FUTURE

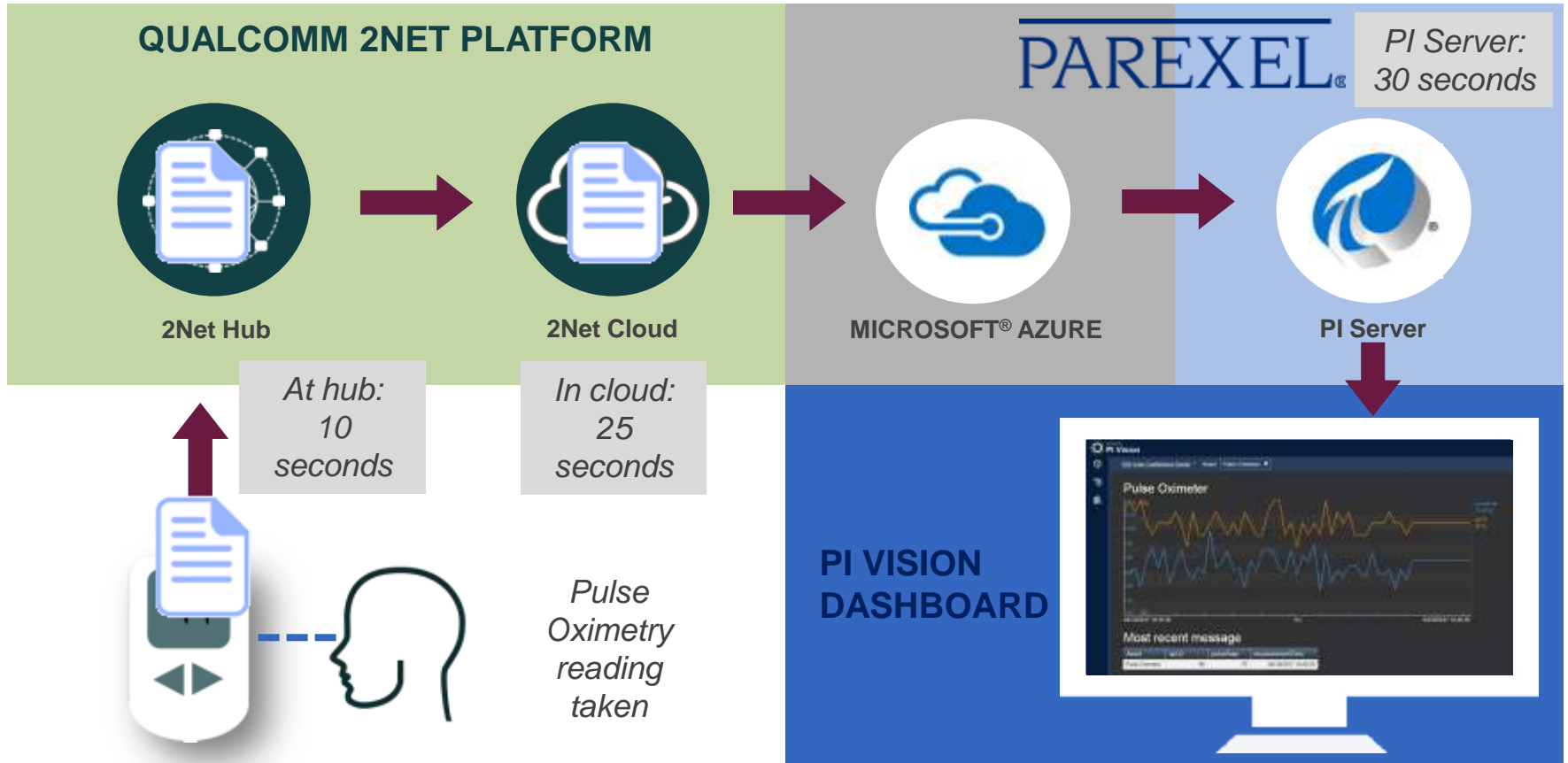
Direct – multi-channel - patient interactions



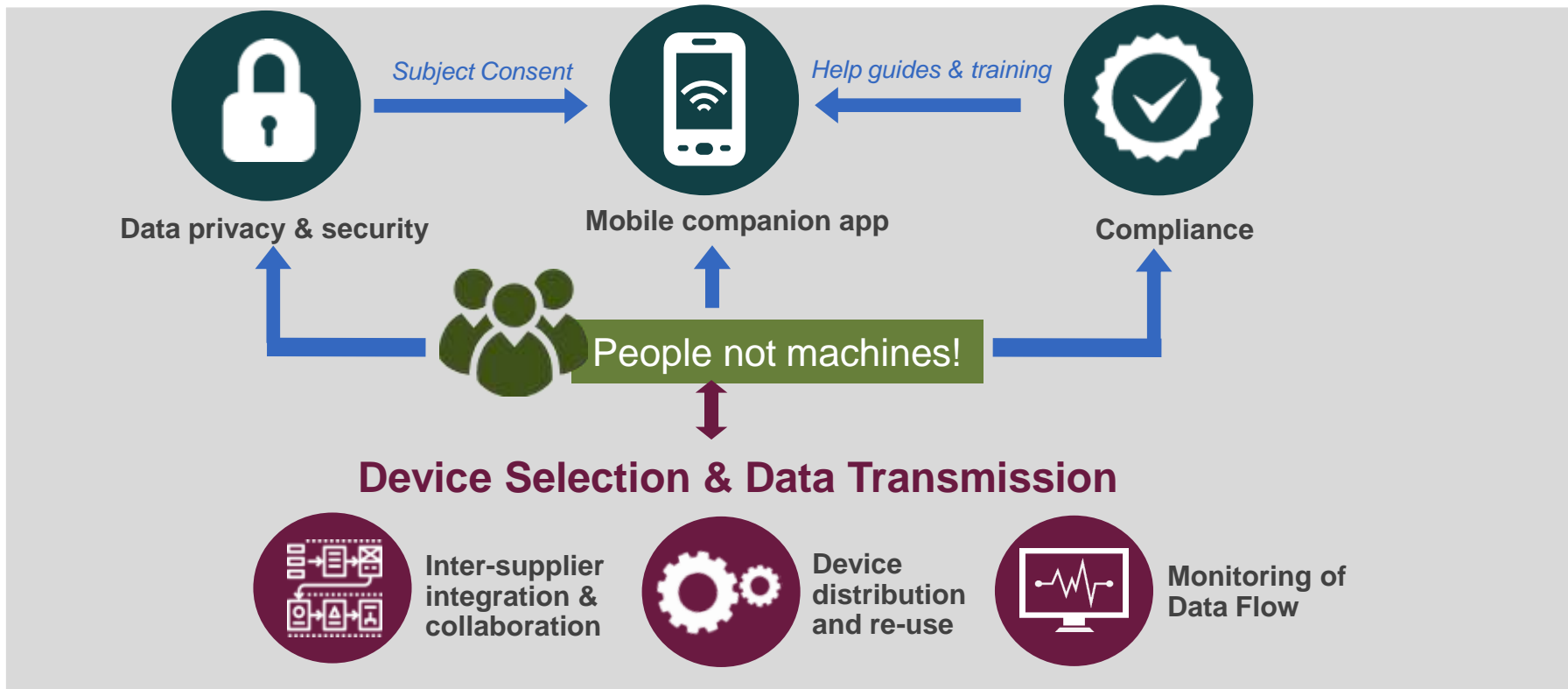
PATIENT DIRECT DATA CAPTURE : AN ECO-SYSTEM OF PARTNERS AND TECHNOLOGIES WITH OSISOFT



EXAMPLE DATA FLOW



DEPLOYMENT OF PATIENT SENSORS NEEDS TO ADDRESS LEGAL, CLINICAL AND LOGISTICS ISSUES IN ADDITION TO TECHNOLOGY INTEGRATION



PAREXEL INTEGRATES MULTIPLE TECHNOLOGIES WITH OSISOFT PI, ENABLING PATIENT CENTRICITY & ACCELERATED DRUG DEVELOPMENT



Digital Transformation impacts Drug Development & Healthcare

- Patient Centricity enables increased patient safety and quality of life
- Digitally enabled patient centricity leads to mHealth: patient are empowered to manage their Health



Patient Sensors Data Acquisition brings new requirements

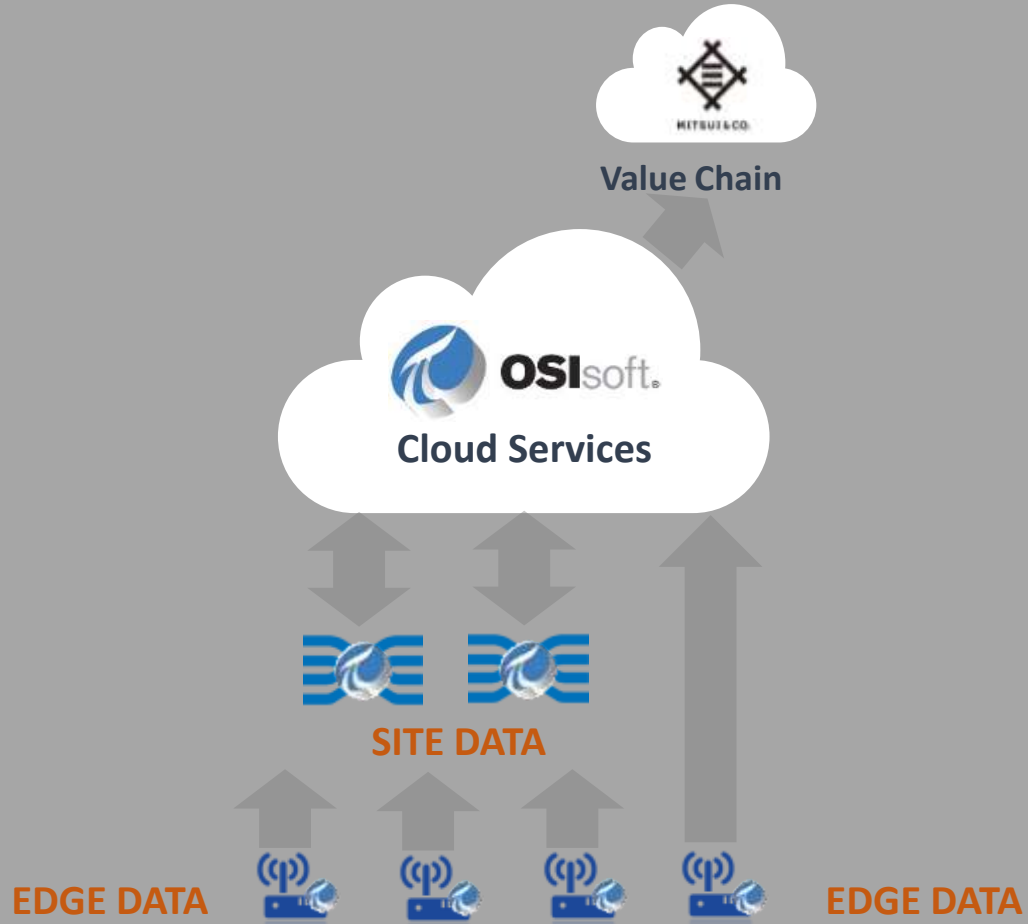
- Integration of multiple technology providers to manage high volume and frequency of data
- Legal and organizational changes



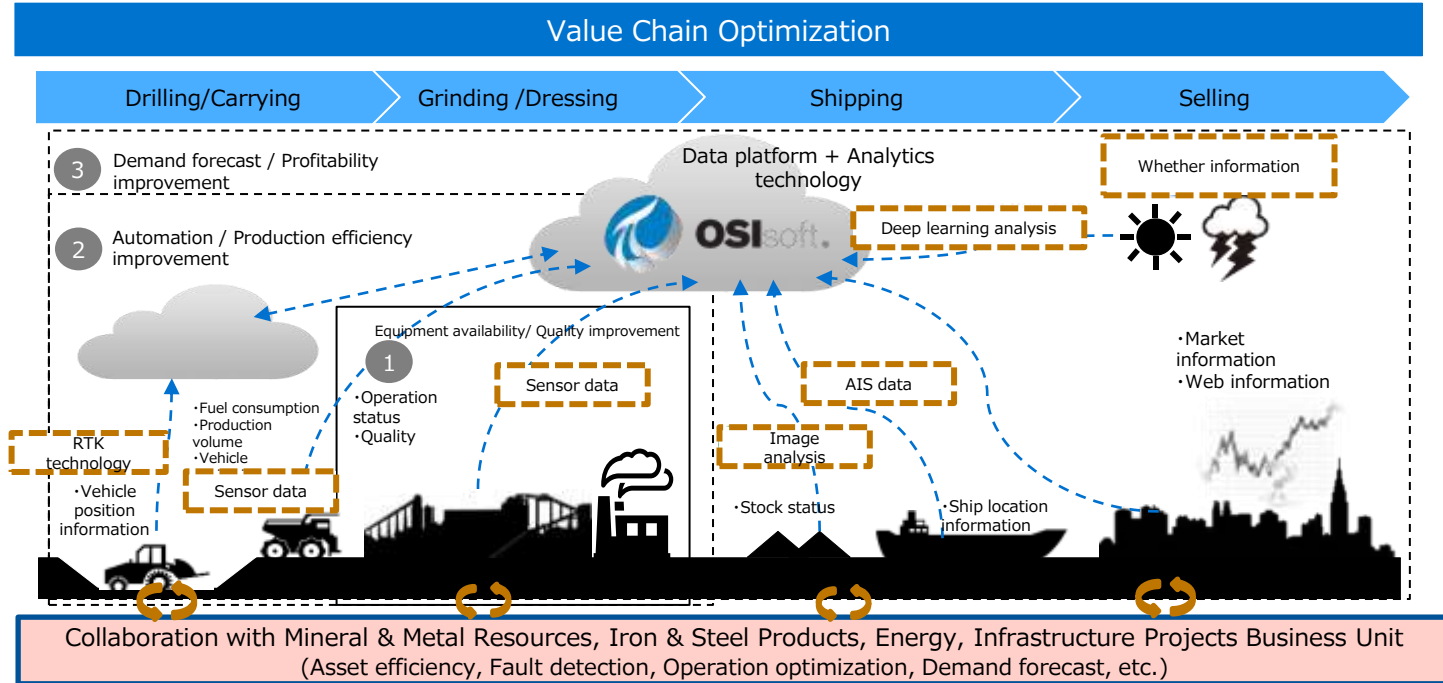
OSIsoft technology accelerates Patient Sensors Data Acquisition

- A suite of tools and functions required to manage and access volume of data
- Robust mature infrastructure allows capture, storage and access to continuous data
- Quick to integrate = minimal coding required

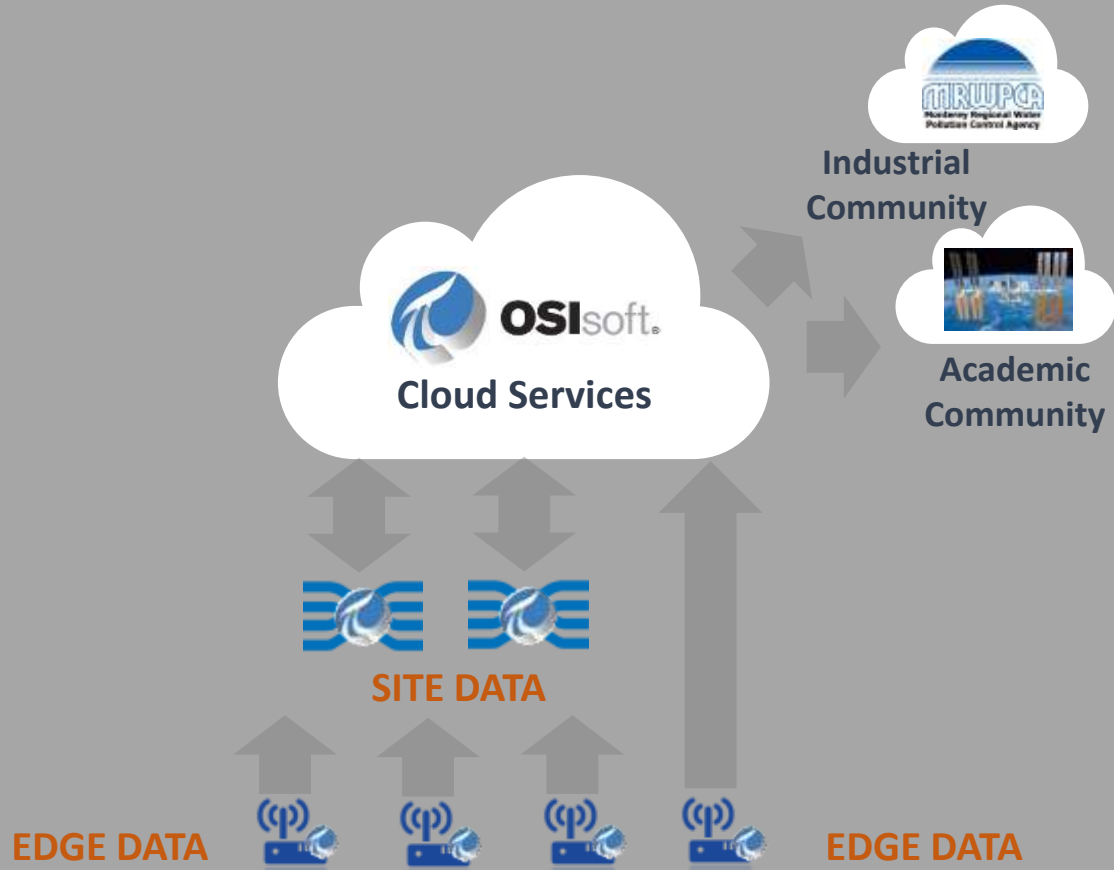
Introducing OSIsoft Cloud Services



Mitsui Vision: Value Chain Optimization



Introducing OSIsoft Cloud Services



Community Waste Water Monitoring



Waste Water



Energy



.... Or Earth to Space



Magnitude.io
Powered by Curiosity

ExoLab

A plant biology investigation with *Arabidopsis thaliana*
The effects of gravity on living things



Pilot Cases – Chemical Engineering Unit Operations

Carnegie Mellon University



ASU



LEHIGH UNIVERSITY



MIT Massachusetts Institute of Technology



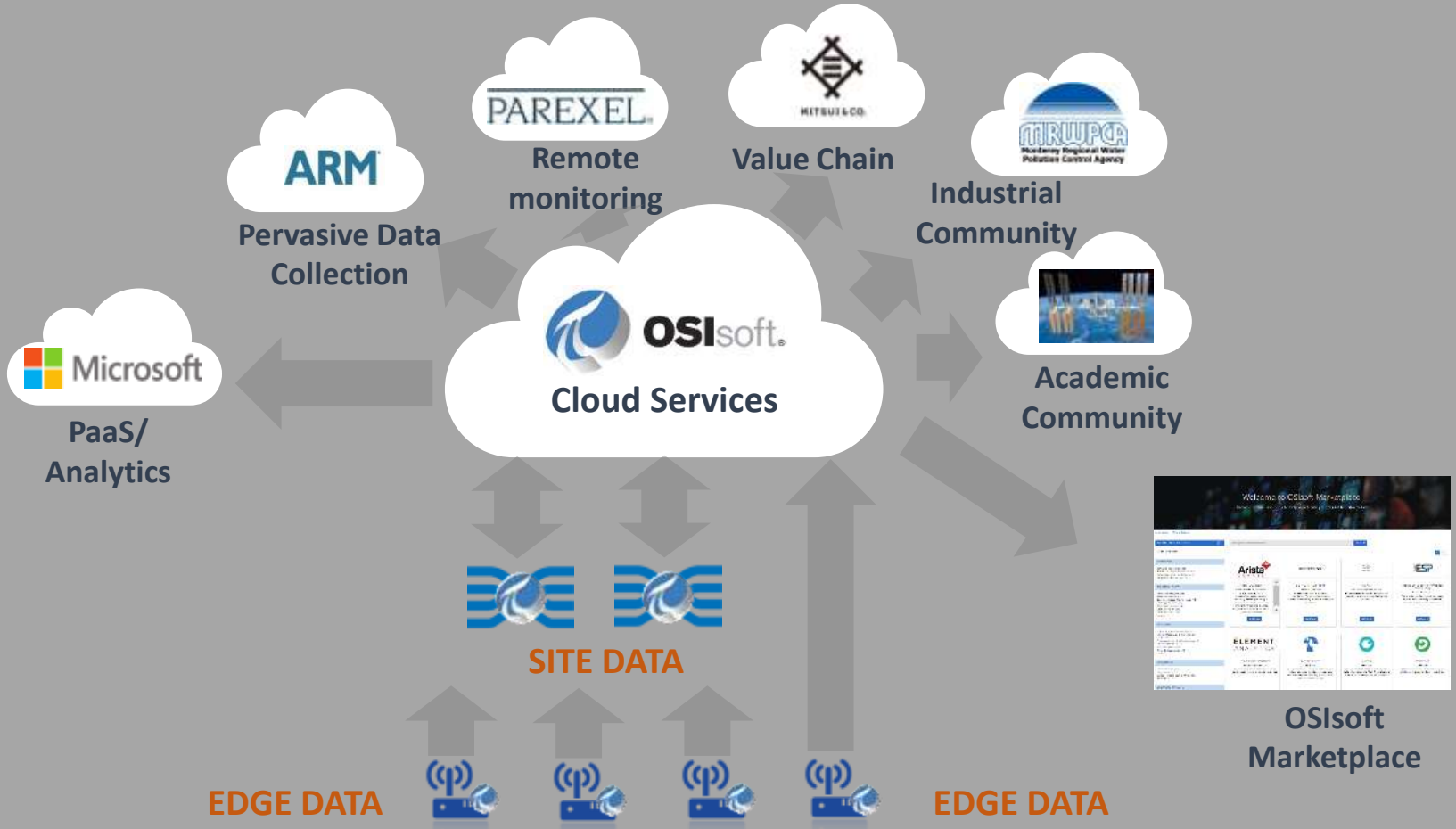
UCDAVIS



McMaster University



Reminder: OSIsoft Cloud Services



Discover

30+ So
Publish

+250 I

2600+ I



Setpoint

Metrix Instruments Co LP

Full-Featured Online Vibration Monitoring. Replace stand-alone vibration monitoring software with your PI System.

[DETAILS](#)



NI InsightCM™

National Instruments

Increase Uptime with Better Asset Health Information. An open platform approach to integrate your existing systems

[DETAILS](#)



Process Plugins Suite of Performance and CBM Apps

Process Innovations Inc

The Process Plugins suite of apps provides an end to end solution for the big data problem.

[DETAILS](#)



Summary: Digital Transformation Journey



Technology Insights

Assets



Multiple
Sensors



Plant



Multiple
Assets



Enterprise



Multiple
Plants



Community



Multiple
Enterprises





We believe **People** with **Data**
can **Transform** their **World**



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