

AVEVA PI WORLD

PI System and OCS Roadmap

Optional Subtitle

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Communicate with Product Managers

<https://feedback.osisoft.com>

Share your ideas, vote on others

Roadmap Themes

Seamless infrastructure
from edge to cloud

Manageable software
and systems

Increased value
and scope of data



Increased value and scope of data

Your data infrastructure from sensors to community

Sensors



Millions of
Smart Devices

Assets



Multiple
Sensors

Plant



Multiple
Assets

Enterprise



Multiple
Plants

Community



Multiple
Enterprises

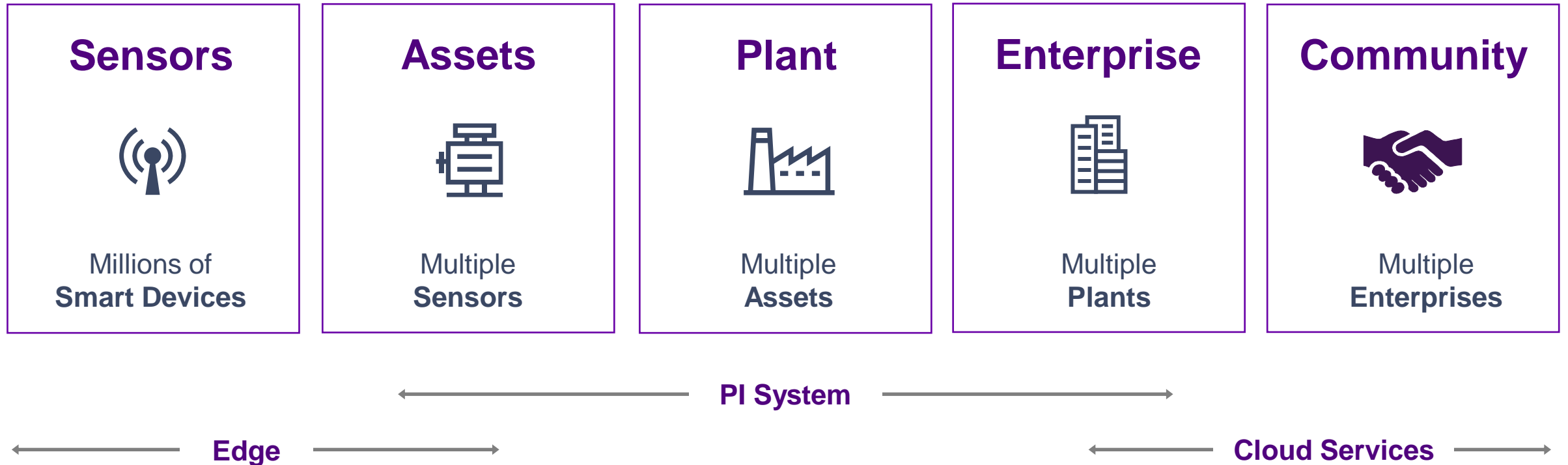
Extending your data infrastructure from edge to cloud

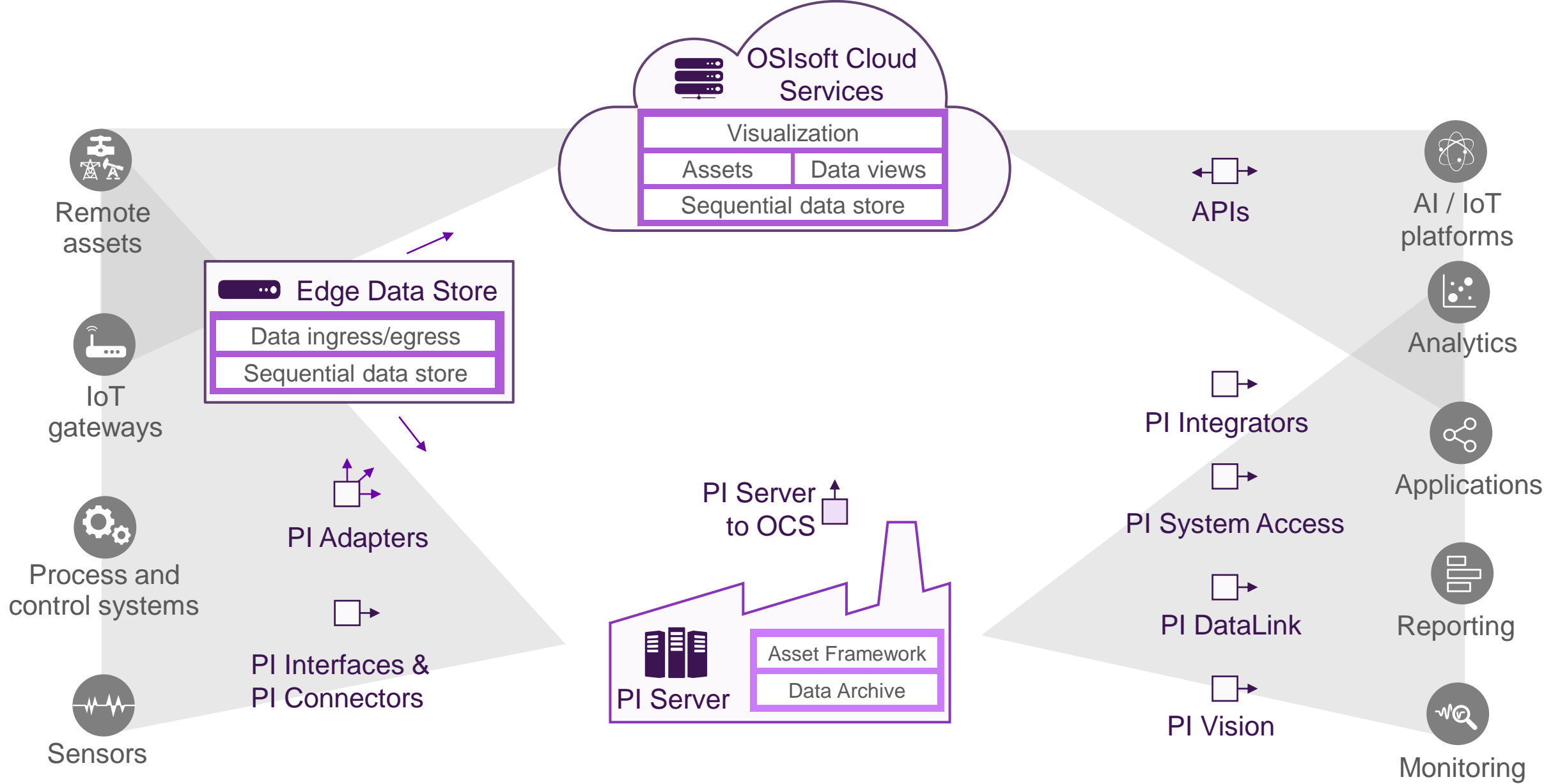
At the edge

Collecting more data
from more sources

In the cloud

Enabling advanced analytics
and new data-driven services





TODAY – Customers can build their seamless infrastructure
We provide a distributed set of capabilities,
Enabling **new users** and **new use cases**.

Pervasive Data Collection

At the edge

Collecting more data
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← **Pervasive Data Collection** →

The scenario determines your data collection needs



24/7 operations

PI Interfaces & PI Connectors

Large volumes of data

Numerous industrial protocols

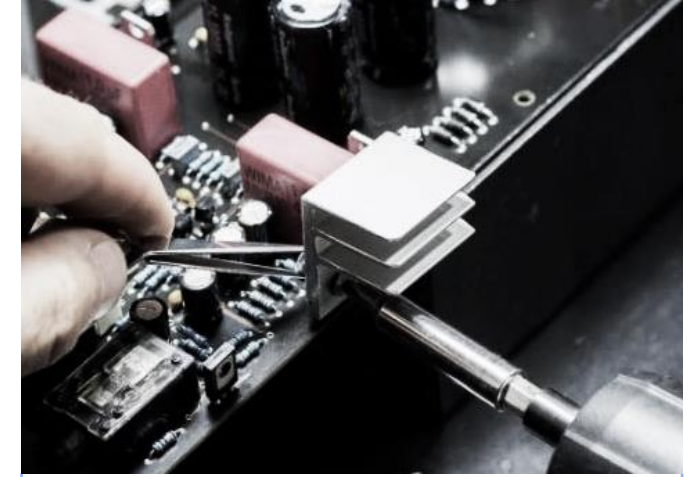


Remote assets

Edge Data Store & PI Adapters

Unreliable power & network

No local IT staff



Custom connectivity

OSIsoft Message Format (OMF)

OS & language independence

Free from backend implementation



PERVASIVE DATA COLLECTION

Highlights of what's in development

Remote software management

Installation, configuration, and administration of EDS and PI Adapters from a central location

PI Adapters

Support for more data sources and more features, including failover

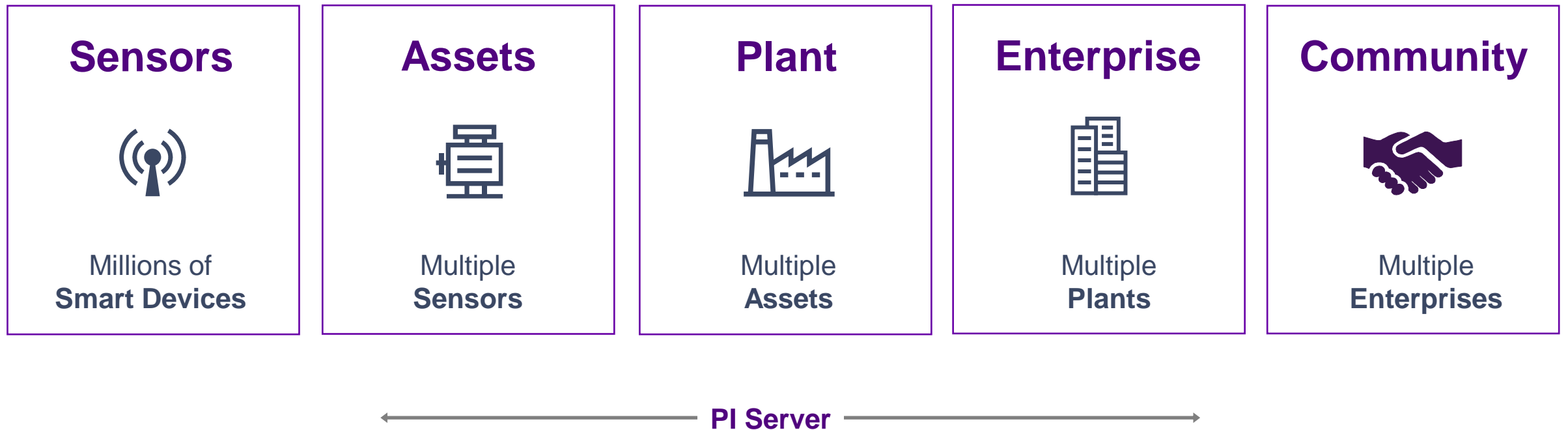
OSIsoft Message Format

Support for more features, including enumerated data and data quality

PI Interfaces and PI Connectors

Continued reliability and security enhancements for existing products

PI Server



PI Server

Store millions of data streams for years or even decades for immediate retrieval

Add context to raw data streams with Asset Framework (AF) and see the big picture

Pinpoint and notify on key events throughout your enterprise with Event Frames and Notifications



High-fidelity data storage



Context-rich data



Operational awareness

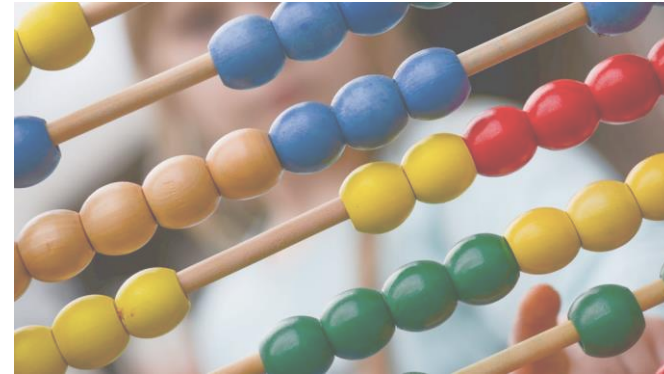
What's next for PI Server



SECURITY & RELIABILITY

Data is a valuable asset.

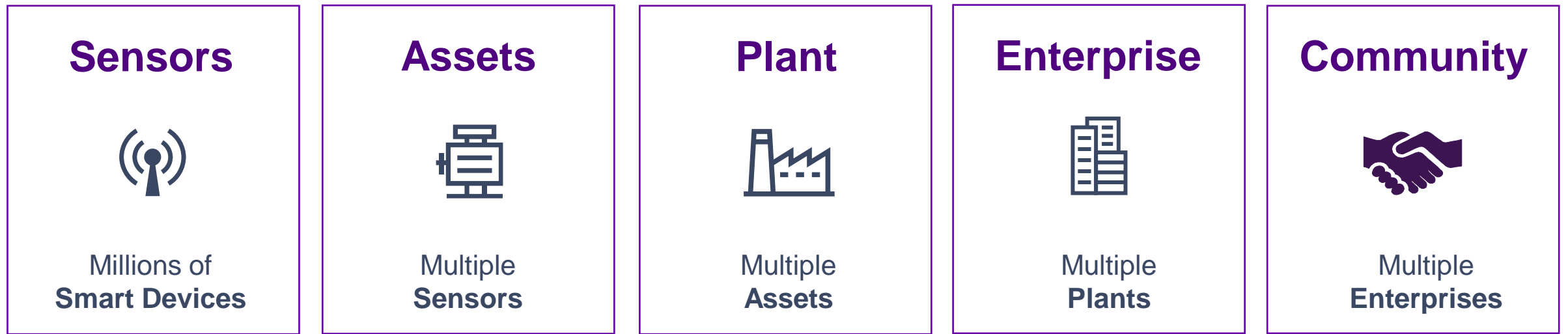
We ensure your data is safe and accessible to the people who need it to make decisions



MANAGEABILITY

We're making it easier for you to ensure that your system is fully functioning after an upgrade so you can get back to the work that really matters

PI Vision



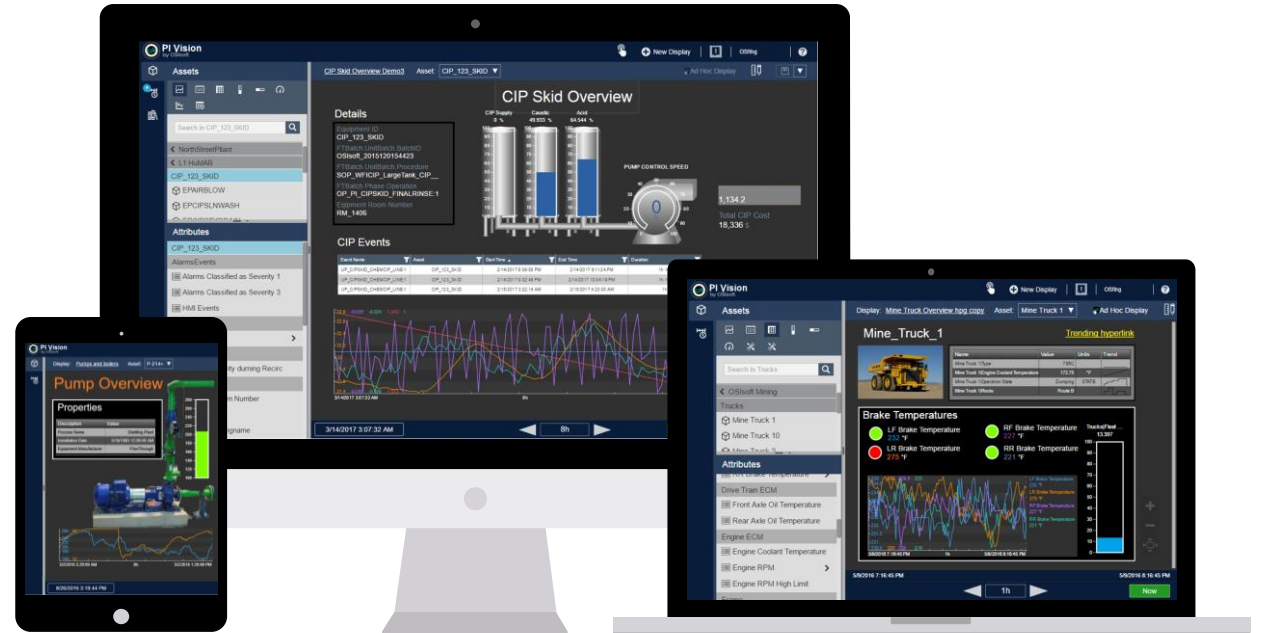
← **PI Vision** →

The fastest, easiest way to visualize PI Server data

An **easy to use, self-service, scalable** solution

Access data from any web browser, including **mobile** device browsers

Share displays across your organization



What's next for PI Vision



MANAGEABILITY

We're putting the tools in your hands as an administrator to allow you to better handle PI Vision displays for your organization



INSIGHT

You want greater insight into your data? We're providing new ways for you to work with the data you already have in your PI Vision displays

Cloud

In the cloud

Enabling advanced analytics
and new data-driven services

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← **Cloud** →

WHY ADOPT CLOUD?

Corporate is actively moving

- **Business-wide visibility** and alignment
- **Strong demand to share operations** data internally & externally
- **Realize full value of operational data** with new tools and applications





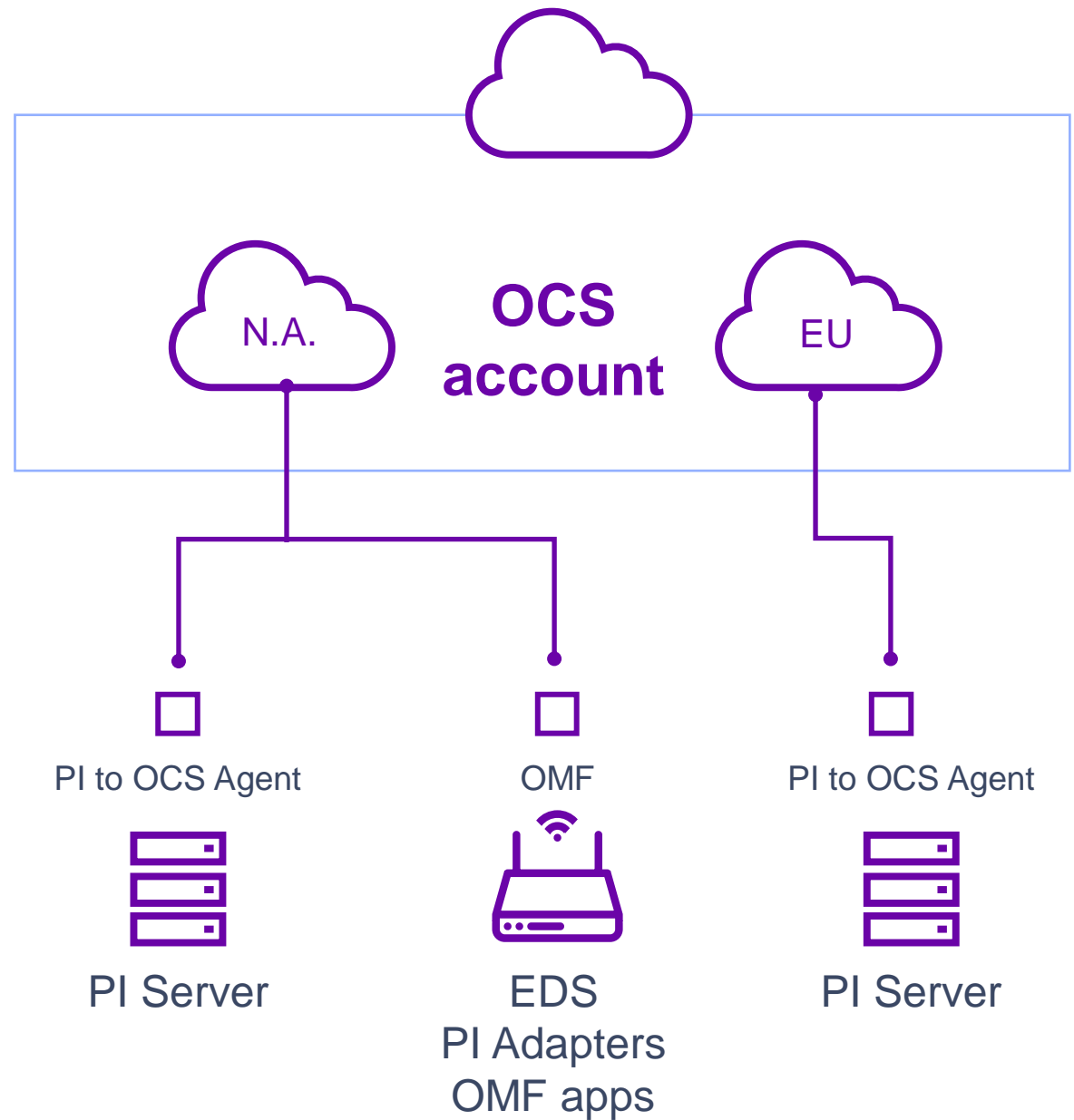
WHAT IS OSISOFT CLOUD SERVICES?

Cloud-native platform for real-time operations

- **Purpose-built** for operations
- **Security suitable** for critical operations
- Allows users to **interact with data**, not microservices

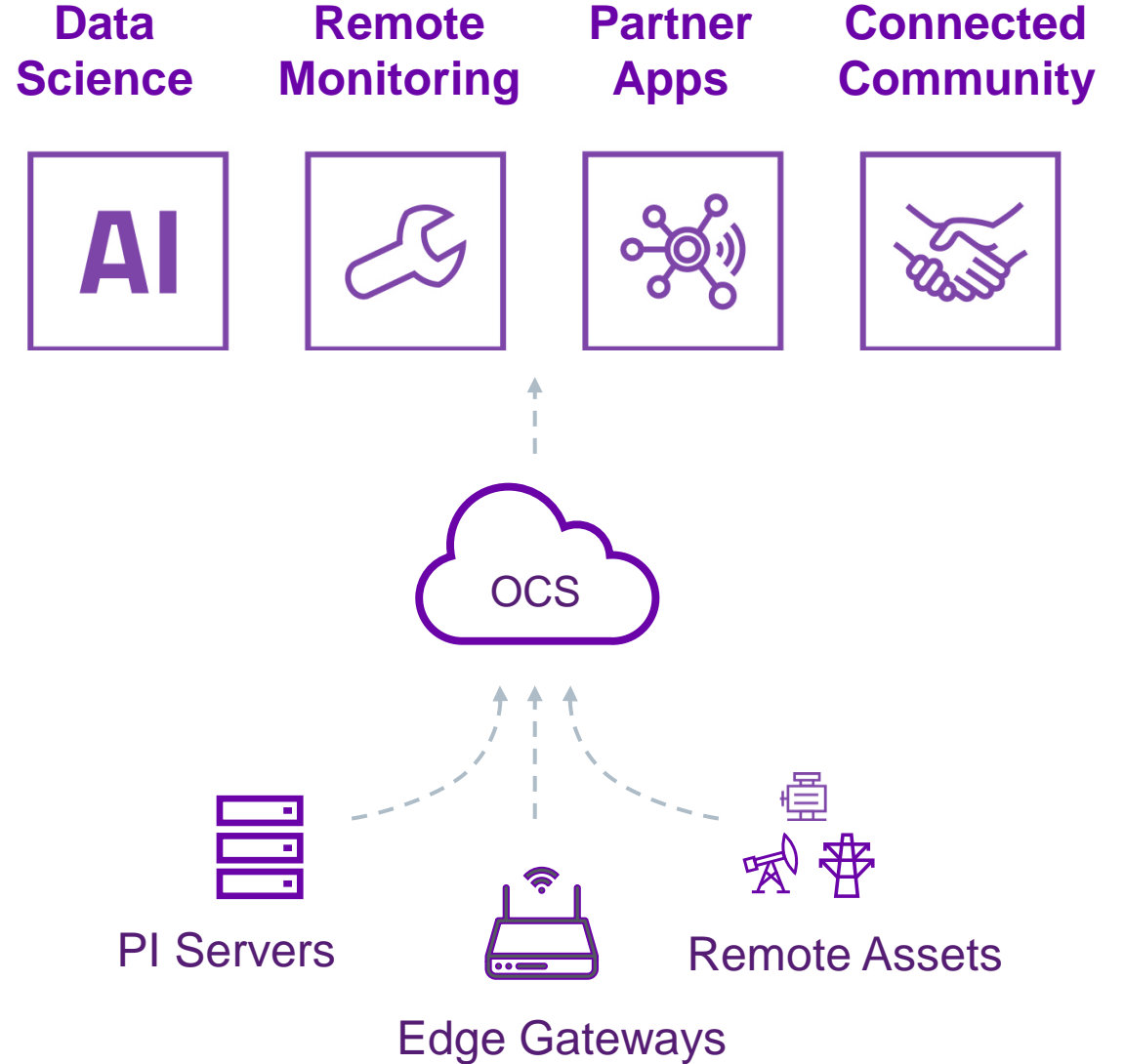
Easily gather data from across the enterprise

- **Natively connects** to PI Server, Edge Data Store, PI Adapters, or OMF applications globally
- Provides ability to **select and filter PI Tags** from a central portal
- **Variety of data collection technologies available** for different data collection patterns



OCS supports four complementary scenarios

- Data science and BI enablement
- Remote Operations Monitoring
- Custom & Partner Apps Integration
- Connected Community



WHAT WE'RE HEARING...

Our customers need...



Context



Information



Monitoring



Sharing

“I need to make it **easy** for our **users to find the data they are looking** for in OCS. With potentially millions of streams, having **context around that data is critical**”

Asset Context & Visualization

Create asset definitions with references to streams and visualize assets statuses

Asset Rules Builder

Automatically create new assets as new streams of data are coming in

PI AF to OCS

Transfer PI AF Assets representation in OCS as Asset Context

WHAT WE'RE HEARING

Our customers want...



Context



Information



Monitoring



Sharing

“As a data scientist, I often want to include **calculated features** in addition to the streams properties data”

“As a business analyst, **Power BI** is my tool of choice **to build dashboards** from operational data”

Data Views Enhancements

Support for asset context, summary calculations and raw values extraction

Power BI Connector

Straightforward access to Data Views in Microsoft Power BI desktop

WHAT WE'RE HEARING

Our customers rely on...



Context



Information



Monitoring



Sharing

“As a PI System Administrator for a global company...I need to **see if our PI to OCS connections are healthy**...so I can quickly determine where I need to focus effort to keep things running as expected.”

OCS System Health

Monitoring micro-services health, resources statuses and consumption

PI to OCS enhancements

Manageability, scalability and tracking of agents and data transfers

Our customers expect...



Context



Information



Monitoring



Sharing

“... my company needs to **share data** with **external business partners**, I want to have a way to provide **secure access** to our company's data **via the cloud**”

Communities

Enable cross-account data sharing of real time operational data across your supply chain.

What's next for OCS?



EDGE SYSTEMS

We're building new tools to help with the deployment, configuration & monitoring of our OMF based ingress technologies (EDS and Adapters)



COMMUNITY

Expanding the scope of data that can be shared beyond streams with support for assets and data views



AVEVA Connect INTEGRATION

Migrating OCS to an offering available within AVEVA Connect to offer even more possibilities for integration

Assets



Multiple
Sensors

Plant



Multiple
Assets

AVEVA and the PI System

Highlights of being better together

Sensors



Millions of
Smart Devices

AVEVA Historian to PI Server

Look for more robust ways to collect AVEVA Historian data into your site and enterprise PI Servers

AVEVA Predictive Analytics

An existing offering that brings advanced analytic power to your PI System data with tighter integration coming soon

AVEVA Unified Operations Center

Support for better integration with the PI System

Enterprise



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AVEVA and OCS

Highlights of being better together

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AVEVA Data Hub

Within AVEVA Connect, OCS becomes Data Hub to offer a single, centralized a richer Cloud portfolio

AVEVA Data Hub and AVEVA Insight

Feed Data Hub data to Insight for dashboarding, analytics and support for mobility

AVEVA Edge Management

Integrating the deployment, configuration, monitoring and updates of EDS and Adapters with Edge Mgt.



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THANK YOU

謝謝

DZIĘKUJĘ CI

NGIYABONGA

TEŞEKKÜR EDERİM

DANKIE

TERIMA KASIH

GRACIES

WHAKAWHETAI KOE

DANKON

TANK

TAPADH LEAT

SALAMAT

SPASIBO

GRAZIE

MATUR NUWUN

ХВАЛА ВАМ

MULTUMESC

PAKMET CIZGE

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GRAZIE

شكرا

FAAFETAI

ESKERRIK ASKO

HVALA

GO RAIBH MAITH AGAT

БЛАГОДАРЯ

GRACIAS

ТИ БЛАГОДАРАМ

MAHADSANID

TEŞEKKÜR EDERİM

OBRIGADO

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MERCI

GRAZZI

PAKKA PÉR

HATUR NUHUN

PAXMAT CAĞA

CẢM ƠN BẠN

WAZVIITA

FALEMINDERIT

ありがとうございました

SIPAS JI WERE

TERIMA KASIH

UA TSAUG RAU KOJ

ТИ БЛАГОДАРАМ

СИПОС

KÖSZÖNÖM

KEA LEBOHA


MISAOTRA ANAO


БЯЯРЛАЛАА

ТАРАДХ ЛЕЙВН

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