

AVEVA PI WORLD

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# Pervasive Data Collection

Presented By: Allison Muraski and Jiyeon Hwang

**AVEVA**

No matter where the operational data resides,  
we have technologies available to collect and  
store that data.

# Your scenario dictates how data needs to be collected

Plants



Large Volumes of Data  
High Frequency Measurements  
Continuous collection

**PI Interfaces and PI Connectors**

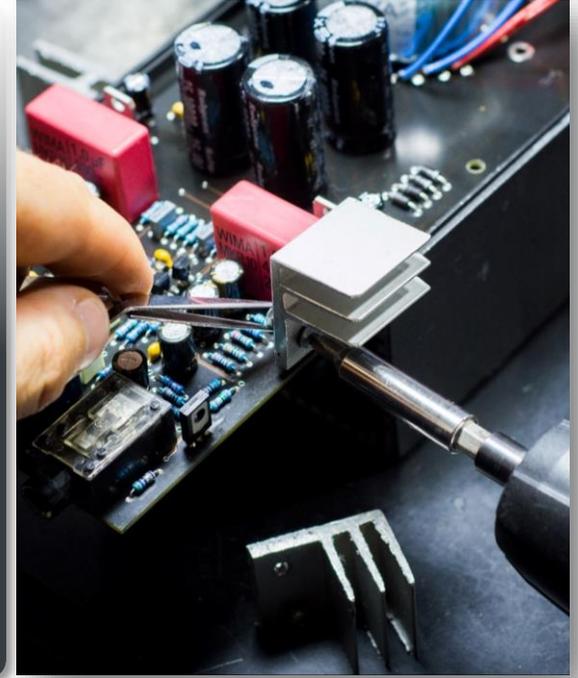
Assets / Devices



Unreliable Power & Network  
Hardware Constraints  
No Local IT Staff

**PI Adapters and Edge Data Store**

Sensors

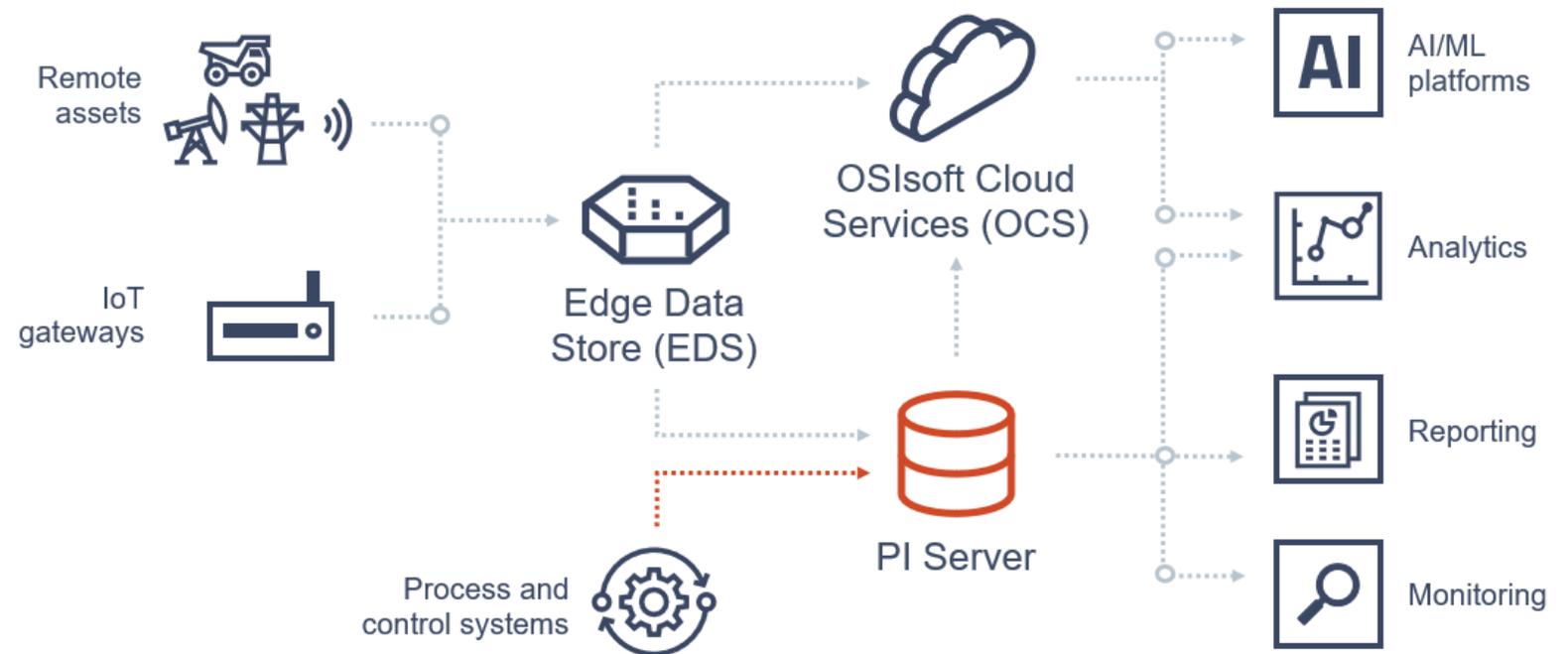


Control Over Connectivity  
OS & Language Autonomy  
Free from Backend Implementation

**OMF Application**

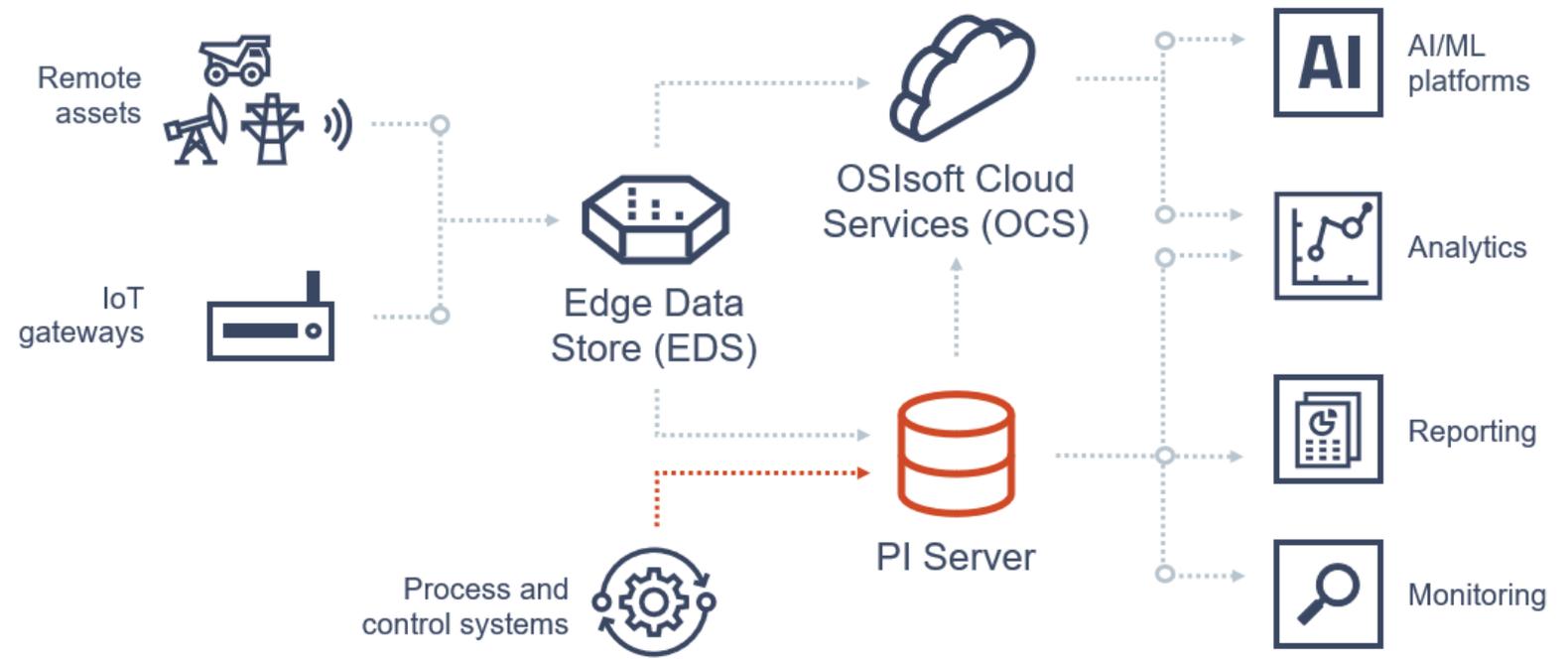
# PI Interfaces

Deliver real-time, fault-tolerant data to the PI Server



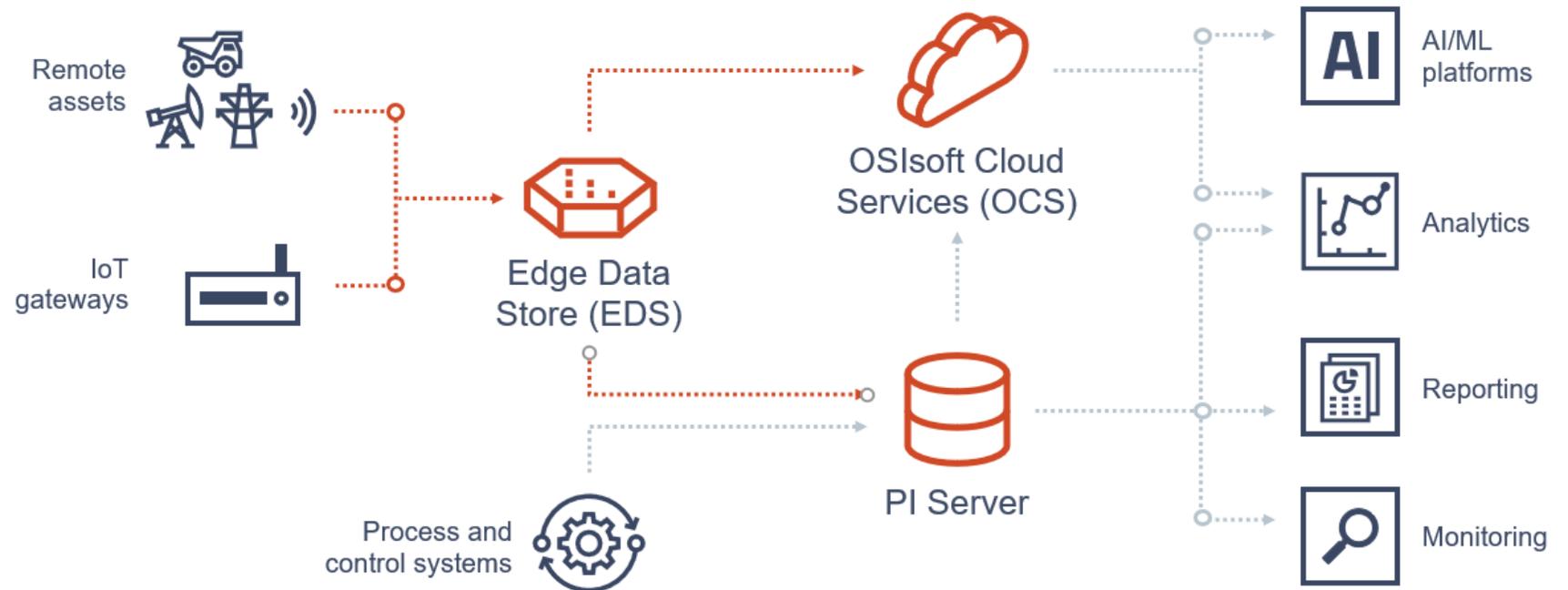
# PI Connectors

Streamline the configuration process and administration



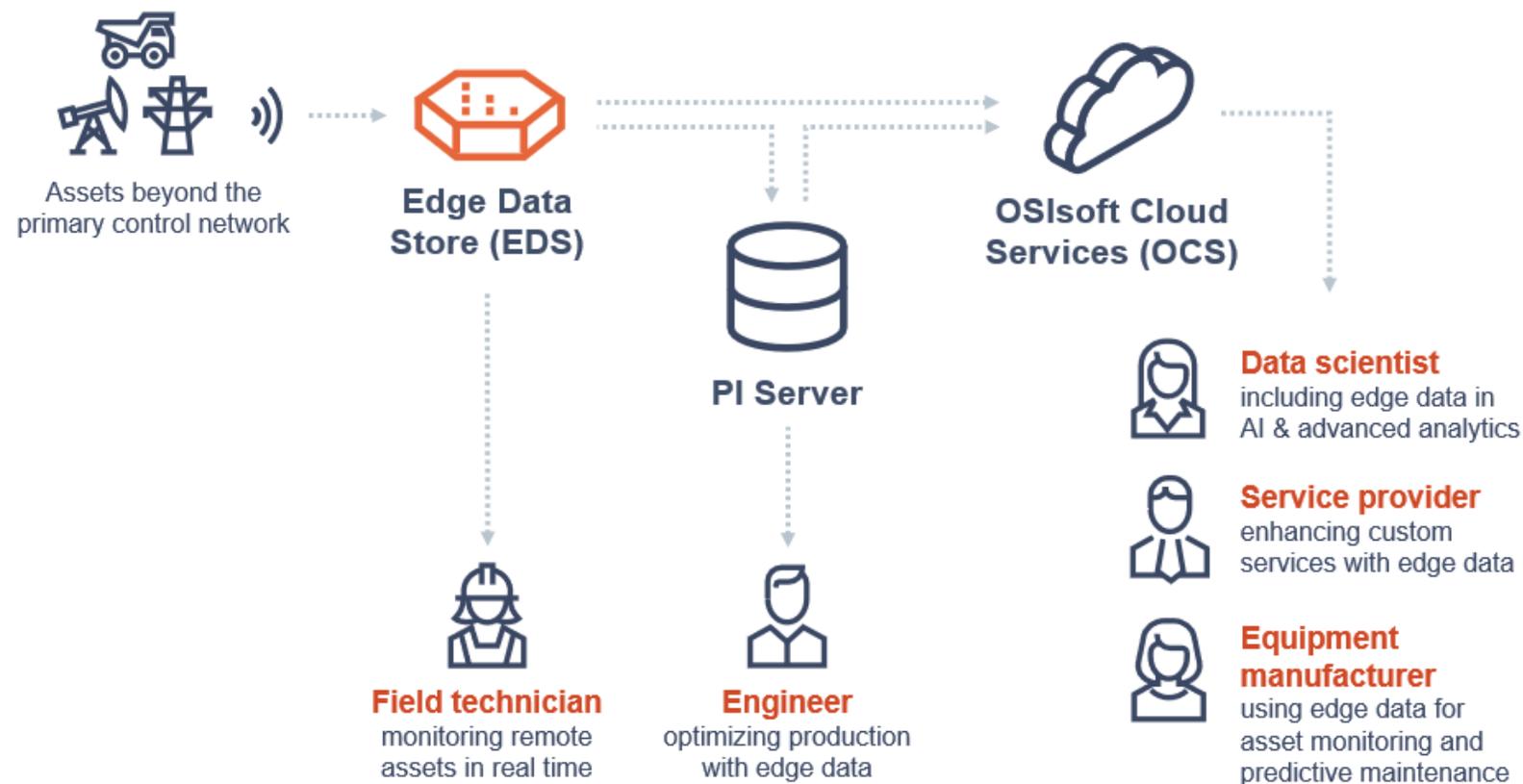
# PI Adapters

Lightweight option for full edge-to-cloud connectivity



# Edge Data Store

Collect and store operations data from remote assets



# OSIsoft Message Format (OMF)

Develop data acquisition applications



Contract based message format for data ingress



Connectivity to PI Servers, OSIsoft Cloud Services and Edge Data Store



Written specification and sample code



Enables app development by end customers, partners, and 3<sup>rd</sup> parties

```
01110010
010010
11110100
100111
```

Supports streaming data & metadata



Independent of operating system & programming language

OMF is not:



A replacement for PI Web API, PI AF SDK or other OSIsoft API



An application development framework

# Call to Action

Give us input on our Feedback site

<https://feedback.osisoft.com/>

Inquire about Lighthouse Engagements

Contact your AM or CSM for more details

Check out these presentations and labs

Day 1: Cloud Track

Enabling the edge convergence of IoT and OT in a managed landscape

Day 3: PI System Tech Track 1

Remote operations monitoring in OCS

Day 2: Lab

PI Adapters, our new Data Ingress for PI server, Edge Data Store, and OSIsoft Cloud Services

Day 3: Lab

OCS Remote Monitoring

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# Resources

For more information on our Data Collection and Edge offerings:

<https://www.osisoft.com/pi-system/pi-core/collection>

<https://www.osisoft.com/pi-system/pi-edge>

<https://www.osisoft.com/pi-system/developer-technologies>

<https://docs.osisoft.com>

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

MULŢUMESC

PAKMET CIZGE

고맙습니다

GRAZIE

شكرا

FAAFETAI

ESKERRIK ASKO

GO RAIBH MAITH AGAT

HVALA

HVALA

БЛАГОДАРЯ

GRACIAS

MAHADSANID

TEŞEKKÜR EDERİM

ТИ БЛАГОДАРАМ

DANKJE

EΥΧΑΡΙΣΤΩ

GRATIAS TIBI

OBRIGADO

TAK DANKE

AČIŪ

SALAMAT

MAHALO IĀ 'ŌE

TAKK SKALDU HA

МЕРЦИ

RAHMAT

MERCI

GRAZZI

PAKKA PÉR

ありがとうございました

DI OU MÈSI

ĎAKUJEM

HATUR NUHUN

PAXMAT CAĜA

SIPAS JI WERE

TERIMA KASIH

CẢM ƠN BẠN

UA TSAUG RAU KOJ

ТИ БЛАГОДАРАМ

СИПОС

WAZVIITA

FALEMINDERIT

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