

AVEVA PI WORLD

Pervasive Data Collection

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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

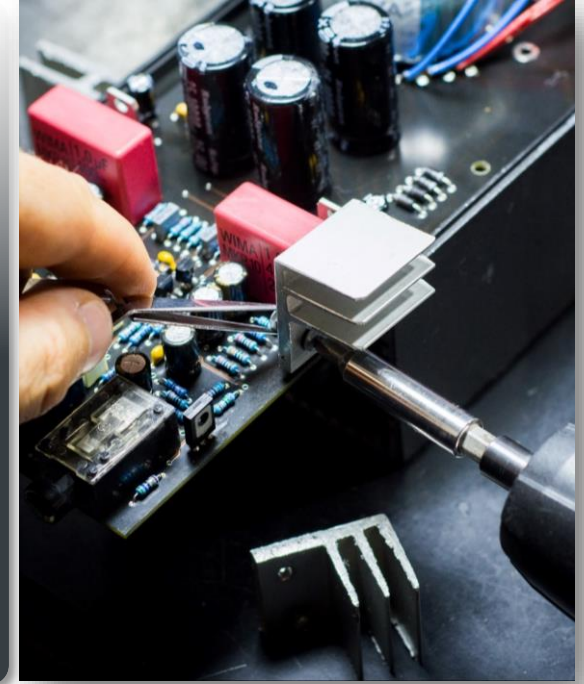
Assets / Devices



Unreliable Power & Network
Hardware Constraints
No Local IT Staff

PI Adapters and Edge Data Store

Sensors

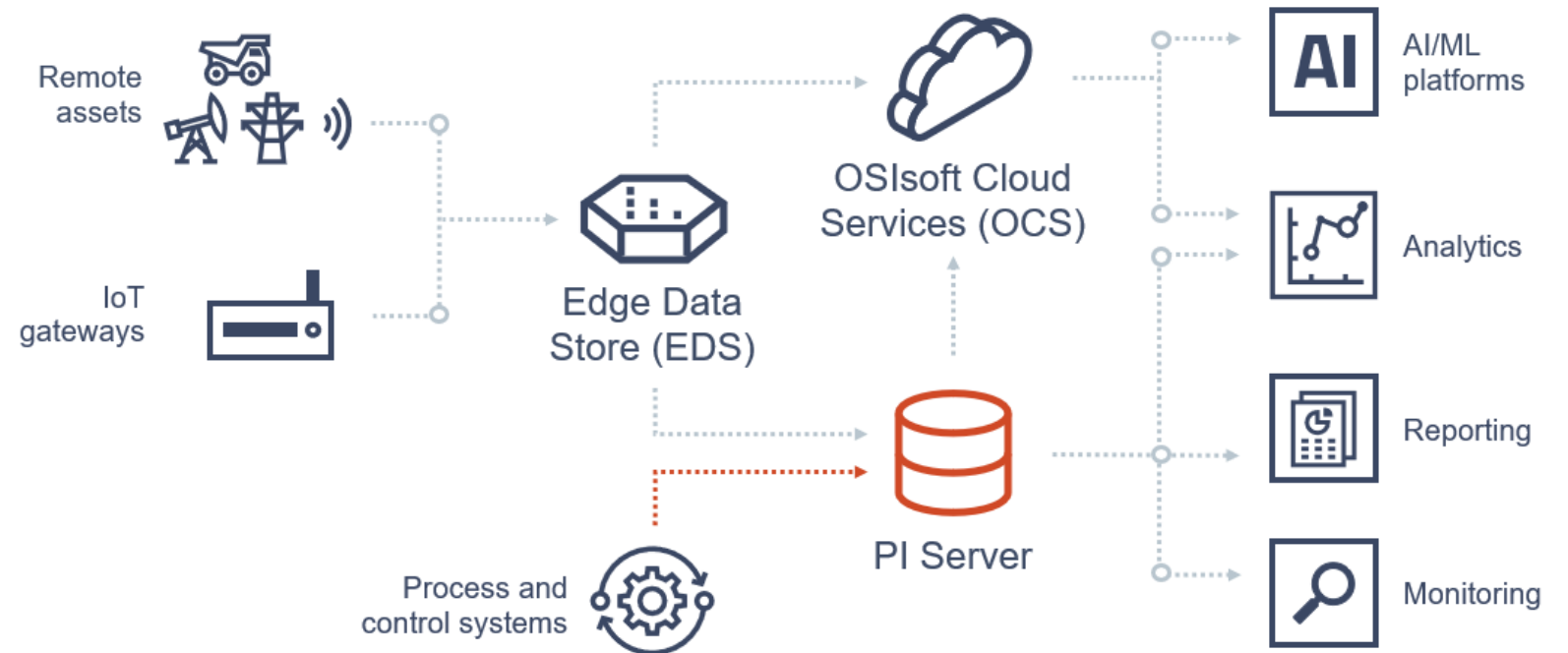


Control Over Connectivity
OS & Language Autonomy
Free from Backend Implementation

OMF Application

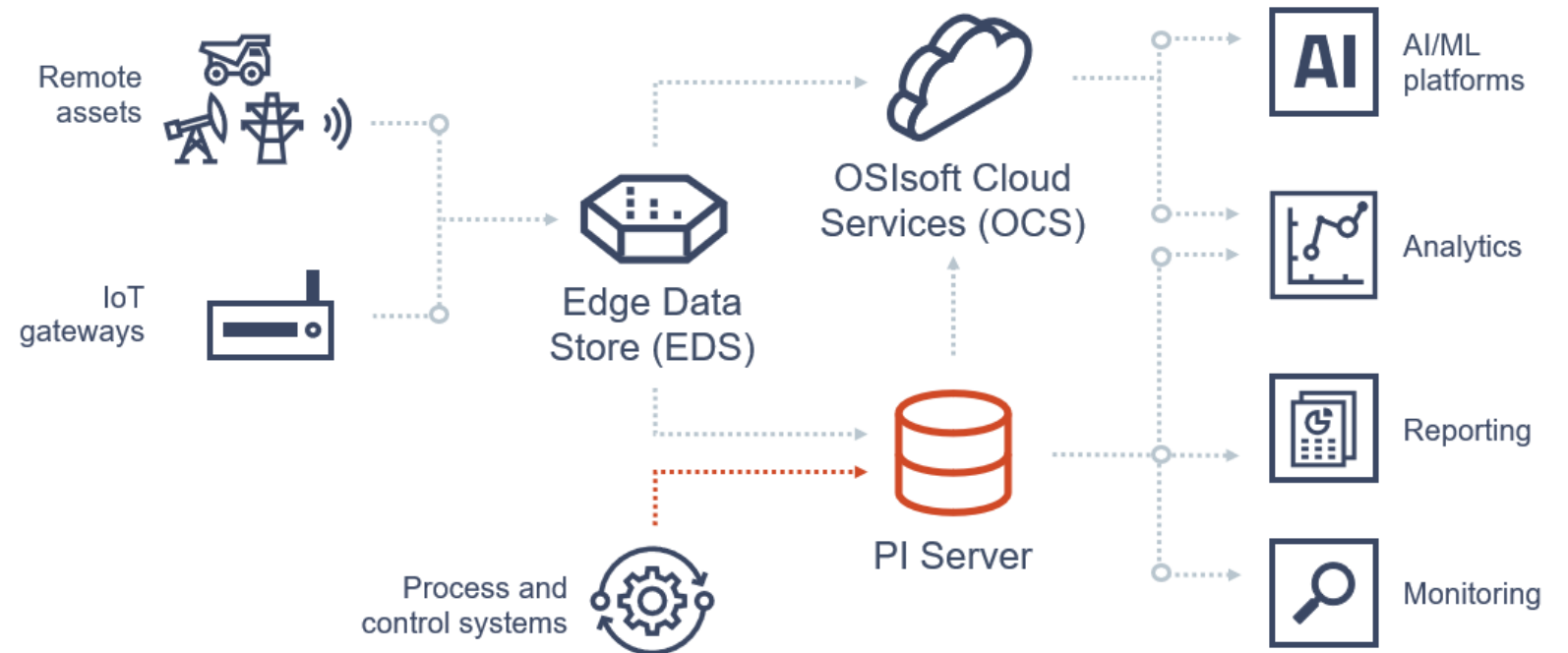
PI Interfaces

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



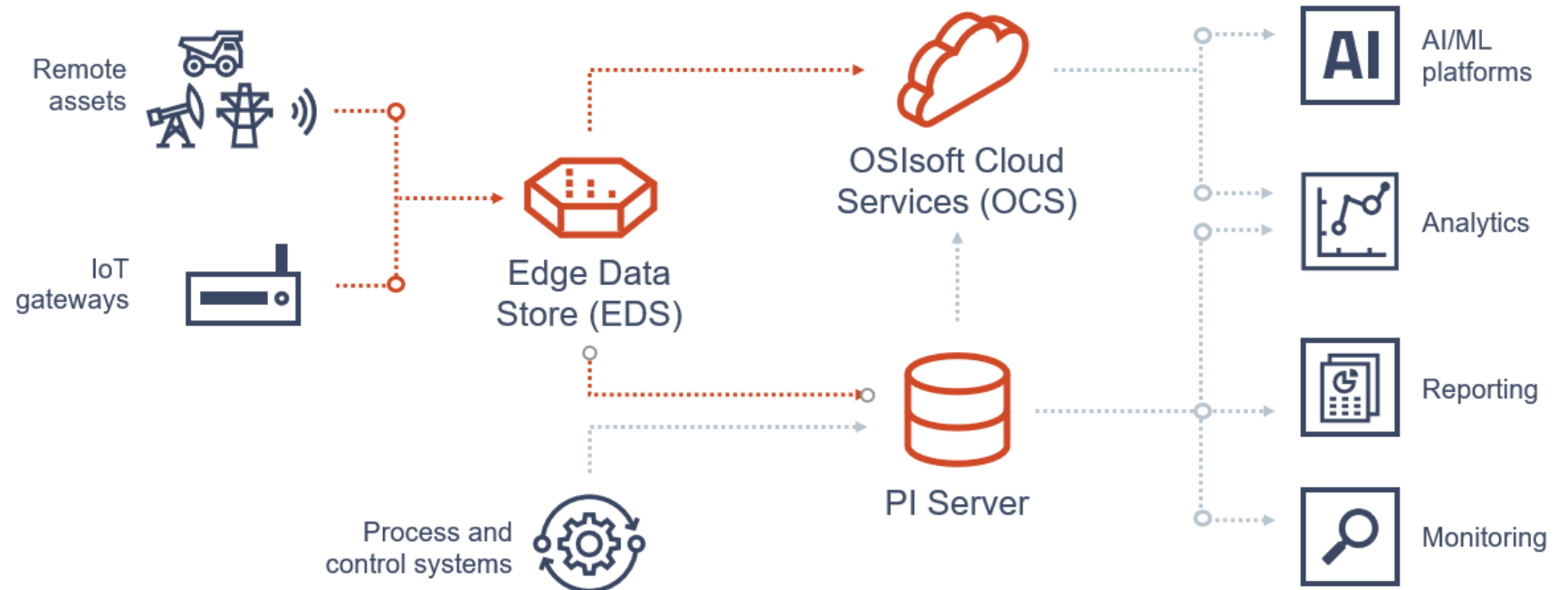
PI Connectors

Streamline the configuration process and administration



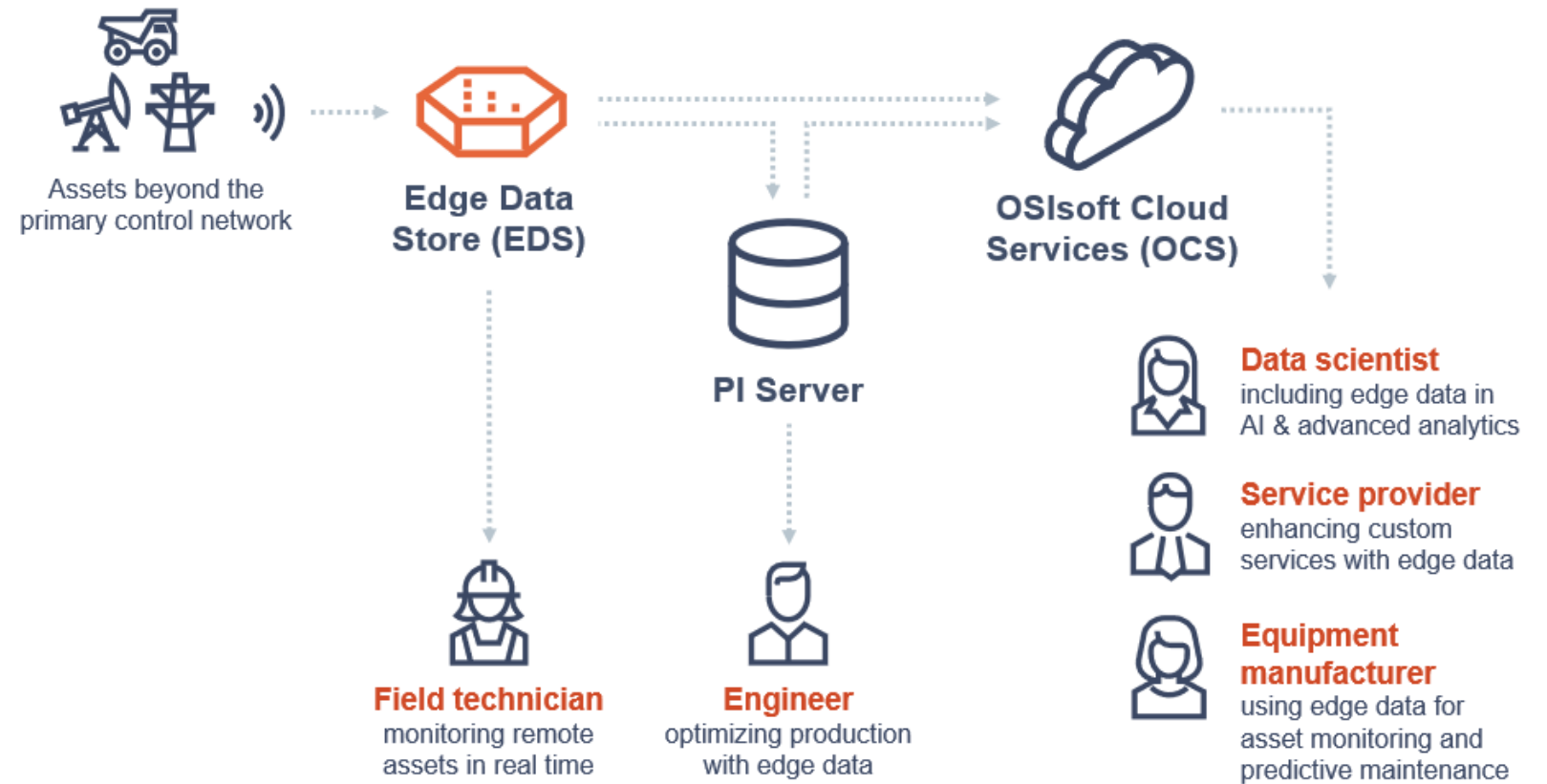
PI Adapters

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



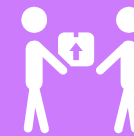
Contract based message format for data ingress



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



Written specification and sample code



Enables app development by end customers, partners, and 3rd 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

AVEVA



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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>

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