OSIsoft Engineering Roadmap

Maximo Moglia Claps – Account Manager

July 6th, 2017

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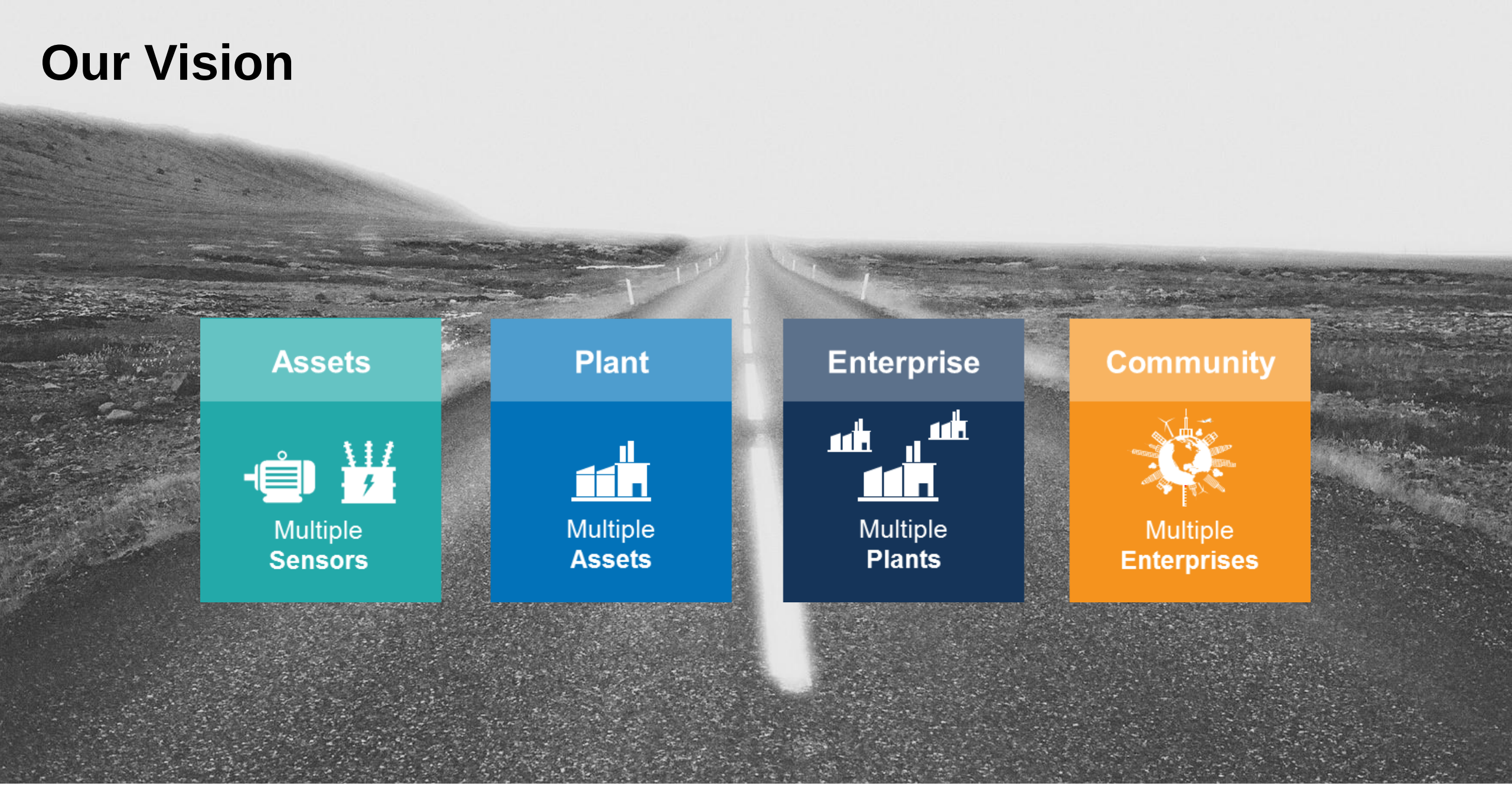
Our Vision


Assets
Multiple
Sensors
Plant
Multiple
Assets
Enterprise
Multiple
Plants
Community
Multiple
Enterprises

1 Accessing Operational Data

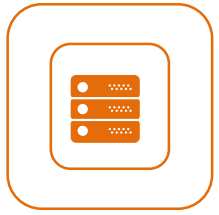
Expanding the OSIsoft portfolio of offerings

Connectivity

Connectors / Interfaces

Embedded Connectors

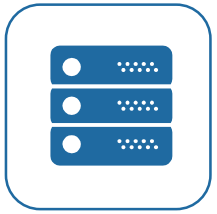
Edge Historian



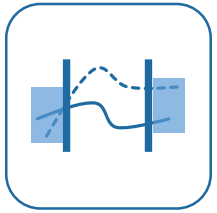
Enterprise

Notifications

Server



Event Frames



Asset Analytics

Developer Technologies

Health Tooling

Visualization

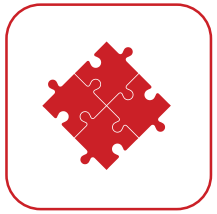
Vision

Manual Logger

Datalink

Integration

BA



Esri

SAP

Microsoft

Streaming

Enterprise wide Queries

Cloud Services

Cloud Connect

Data Sharing

Display Sharing

Accessing Operational Data

Connectivity

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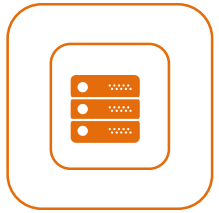

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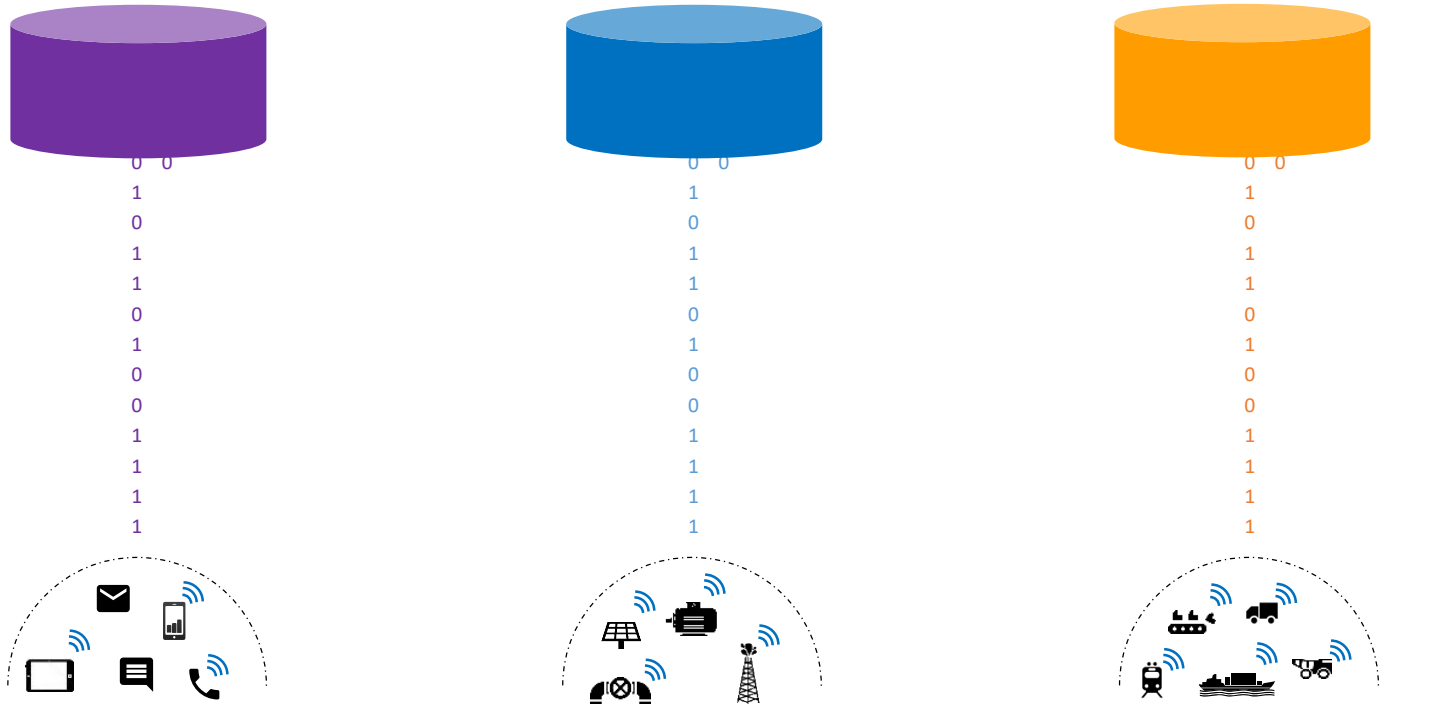
The Industrial Internet of Things (IIoT) has inherent risks and challenges

Data Silos

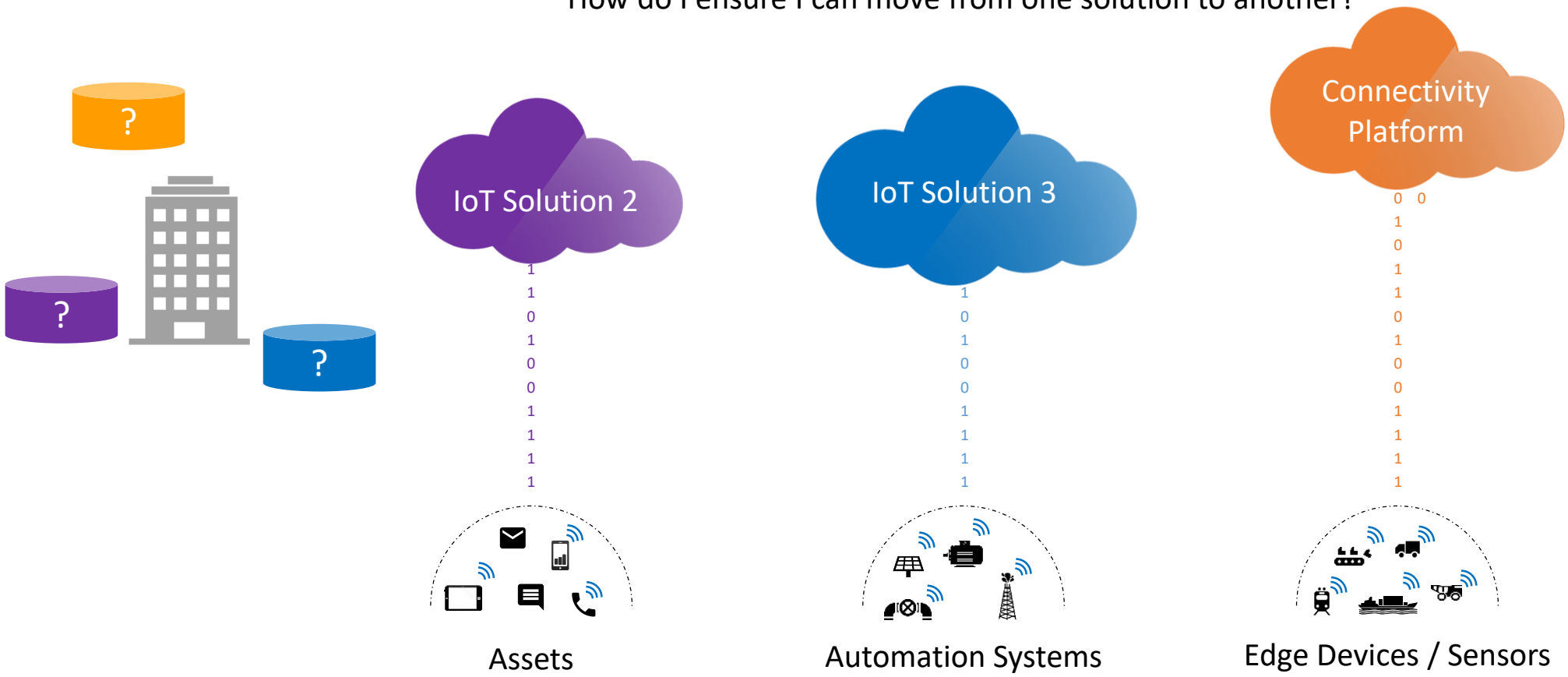
One version of the truth?
Data is isolated from other use cases
Data management challenges



IIoT risks and challenges: Data Ownership

Data Ownership

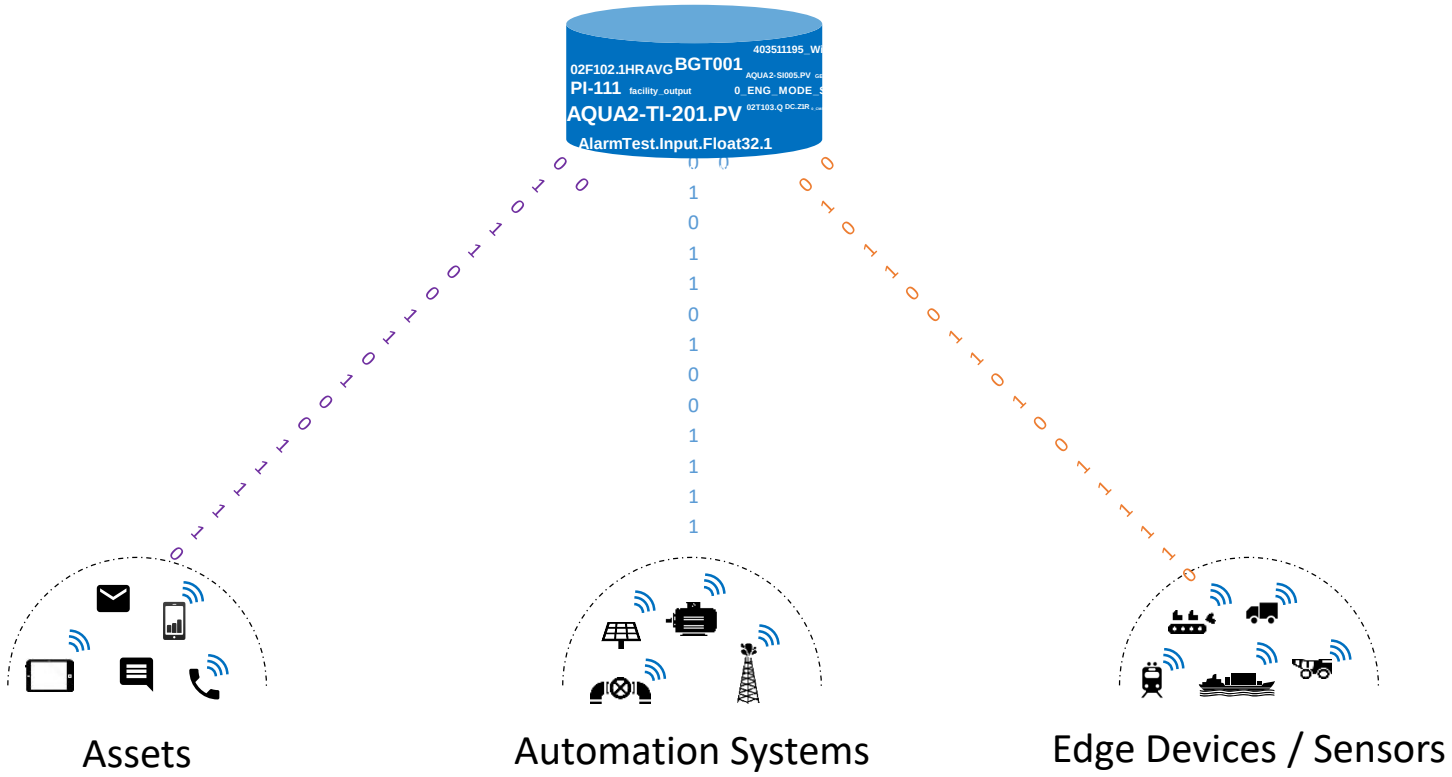
Do I have access to my own data?
How do I ensure I can move from one solution to another?



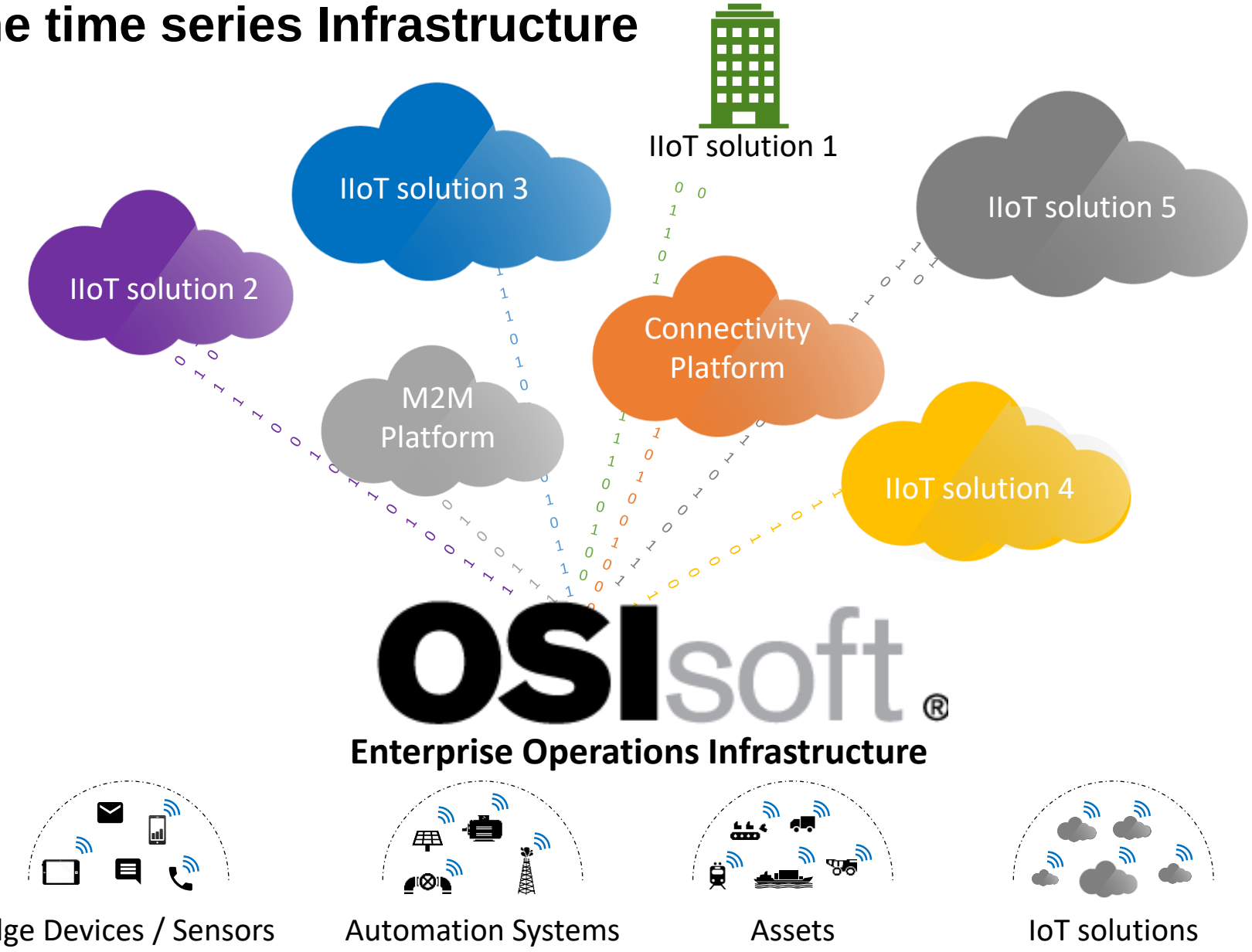
IIoT risks and challenges: Data Context

Data Context

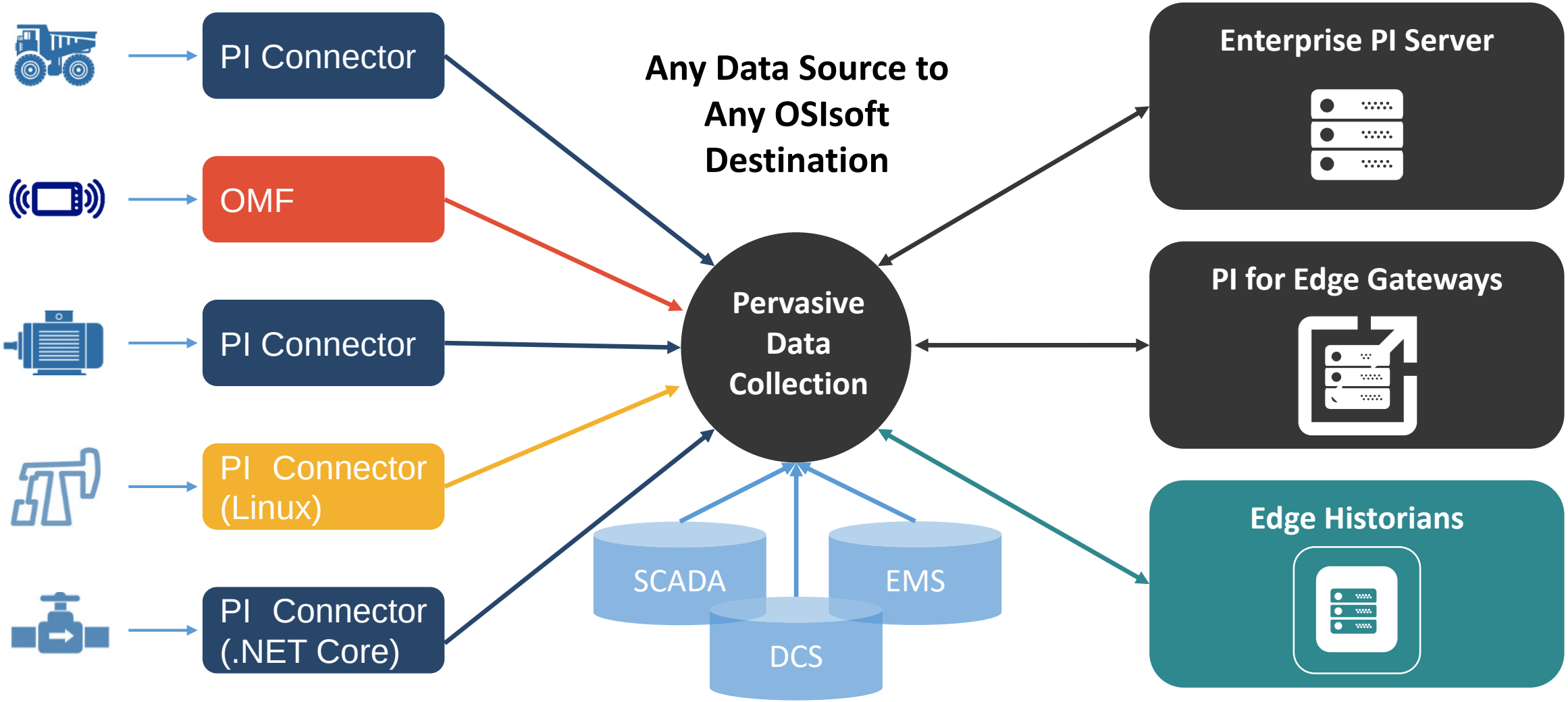
Understanding the criteria to analyze data is as important as the data itself
The further data moves from SME's the more important context is

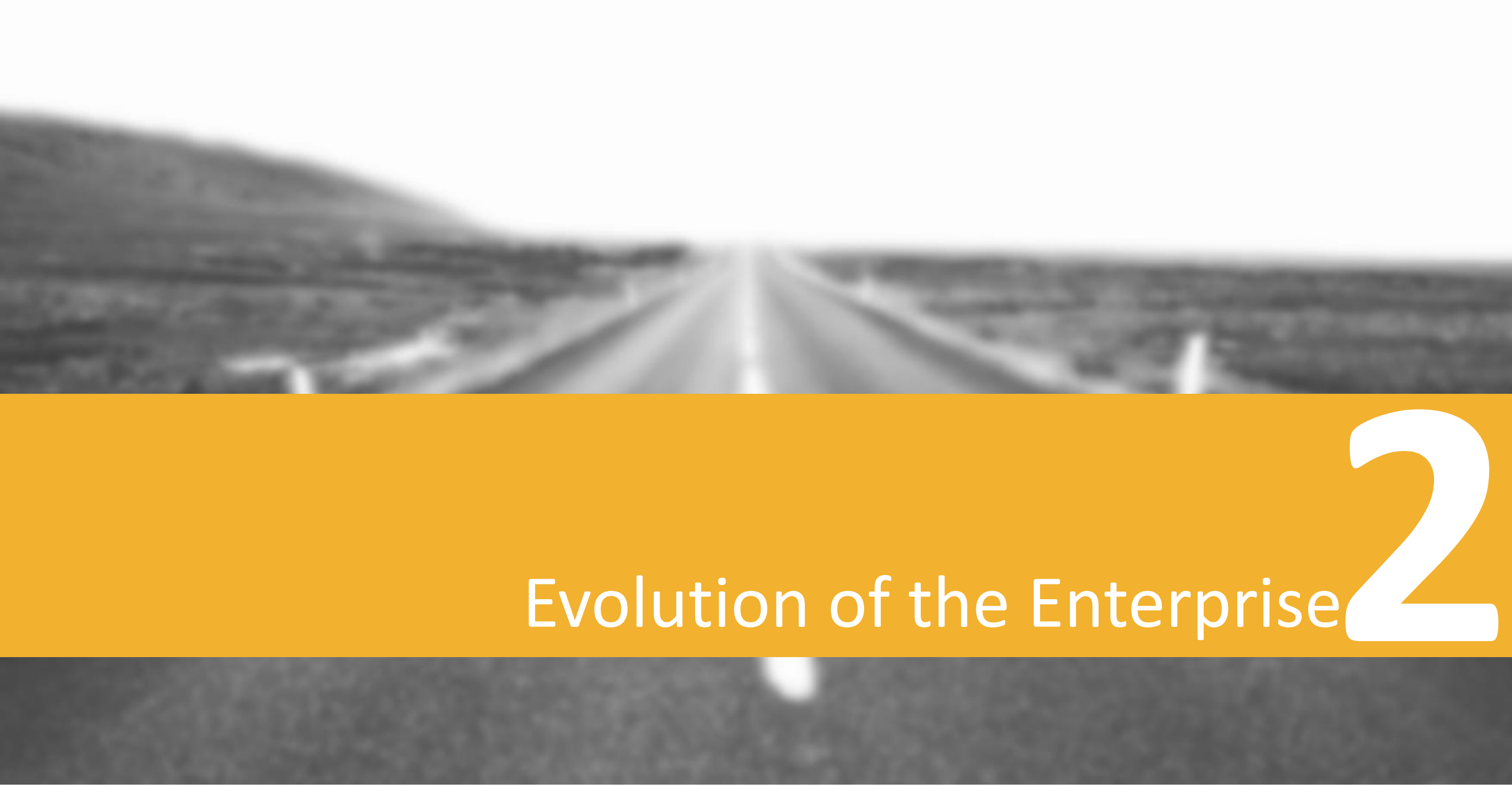


Extending the time series Infrastructure



A true operational data infrastructure





2 Evolution of the Enterprise

Strengthening the Enterprise

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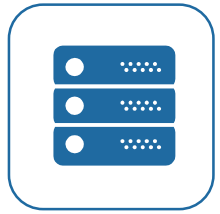

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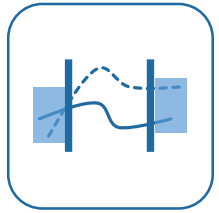

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Display Sharing

Initial Focus: Evolution of the PI System

Expand

Increase the **volume** & **velocity** of operations data

Extend

Associate **quality** information with measured values

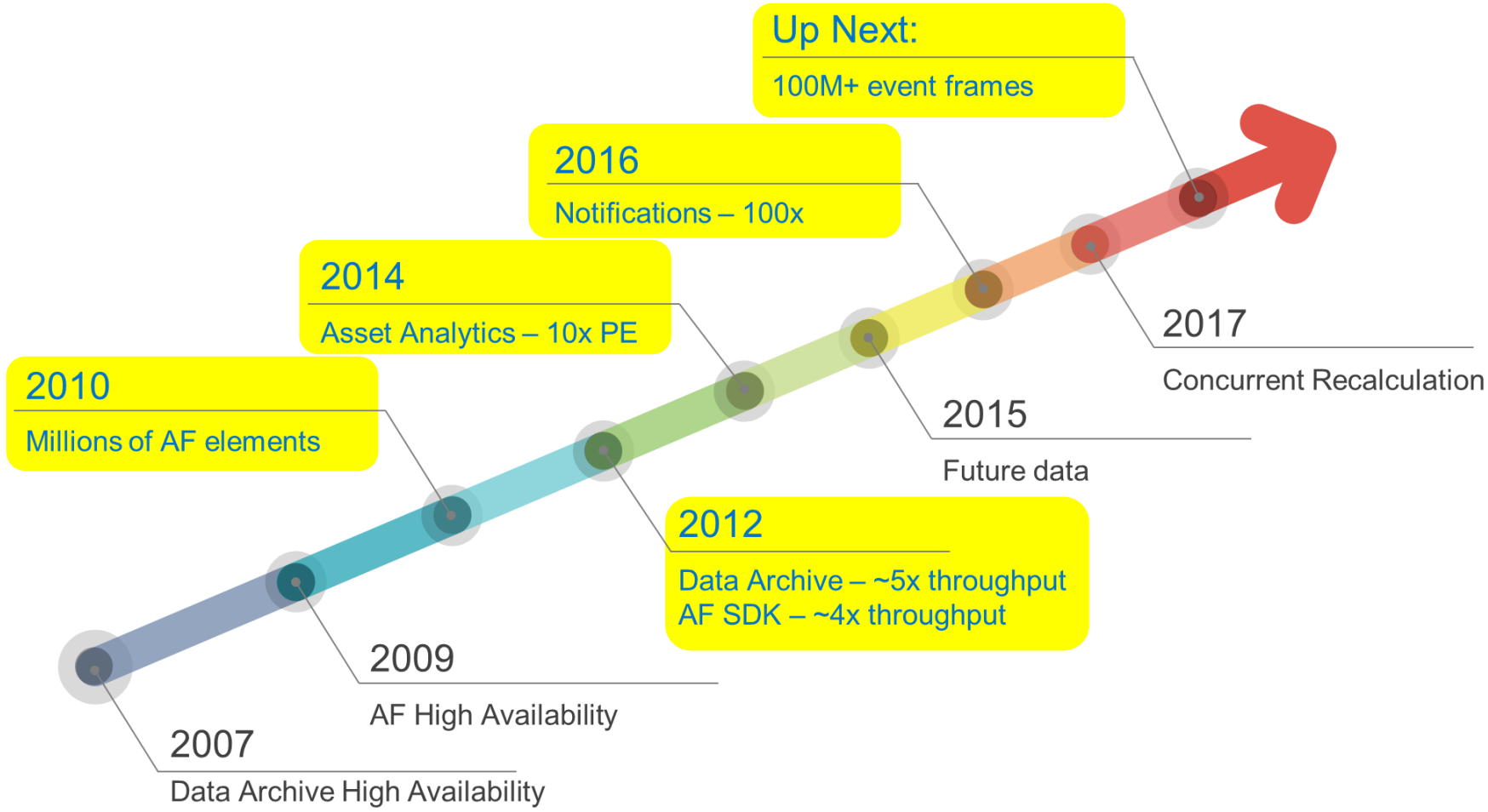
Ease

PI system tools designed to work across the enterprise

Expand the PI System: Performance and Scalability

Expand

Increase the **volume** & **velocity** of operations data



Extend the PI System: Data Quality

Extend

Associate **quality** information with measured values

Data Collection

Collect quality information from source systems

Storage

Natively associate quality information with data

Asset Analytics

Calculations take into account quality of inputs

Developer's Technology

Ingress and egress of data with quality via programmatic means

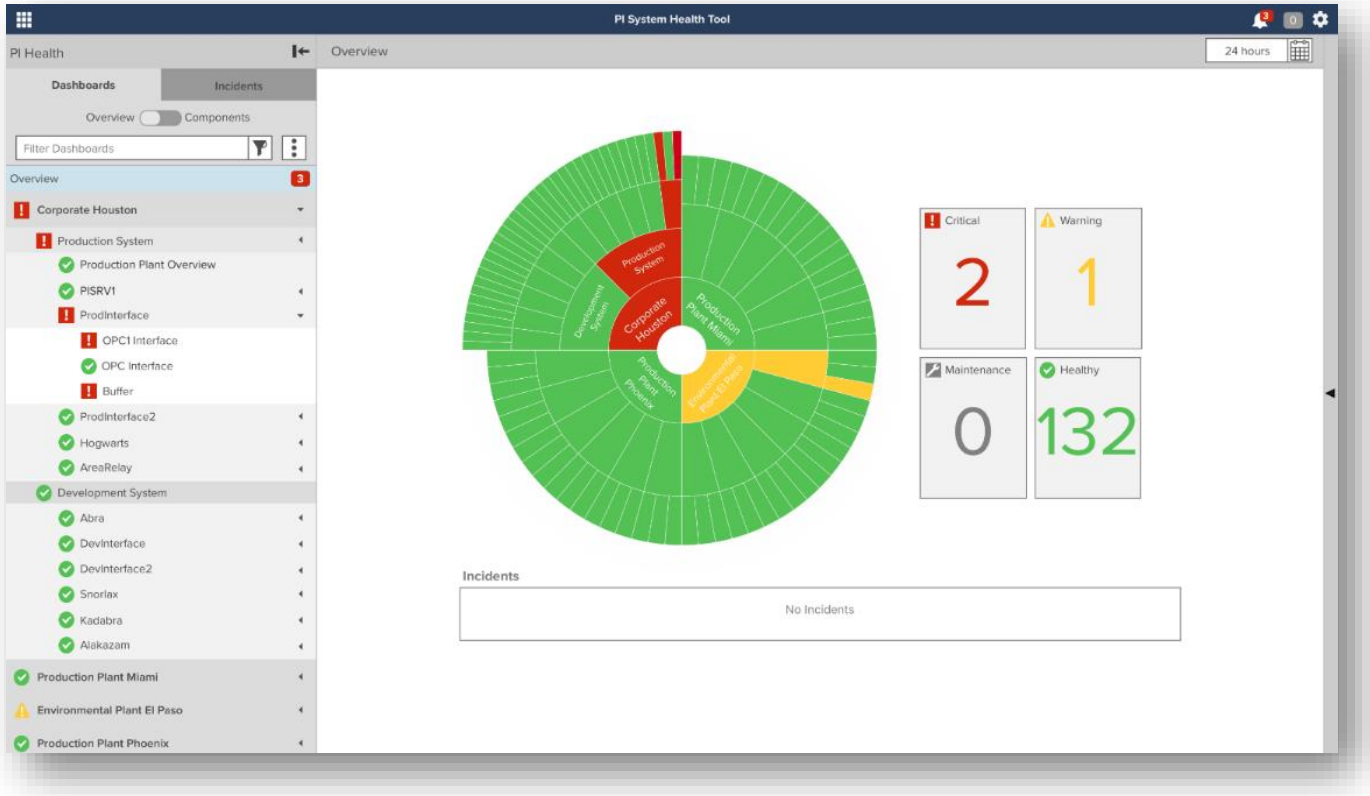
Visualization

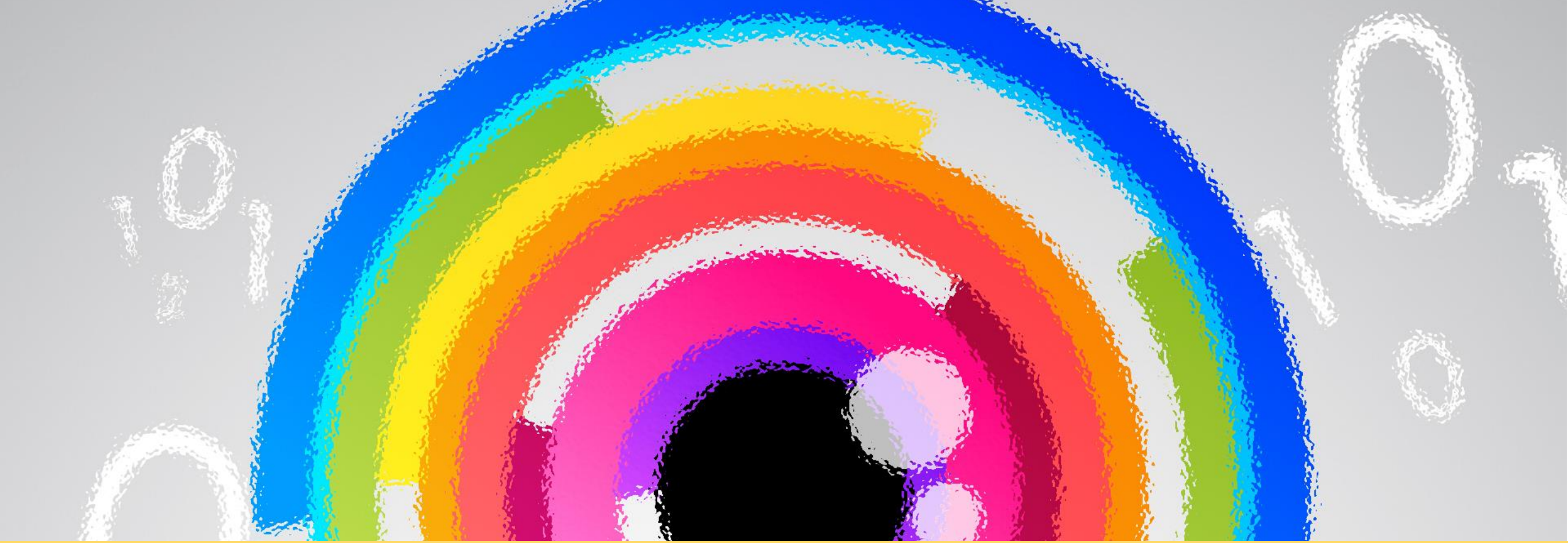
Display data with quality information

Ease of use with the PI System: Management and Administration

Ease

PI system tools designed to work across the enterprise





3 Visualizing Operations Data

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An Integrated Visualization Platform

Today

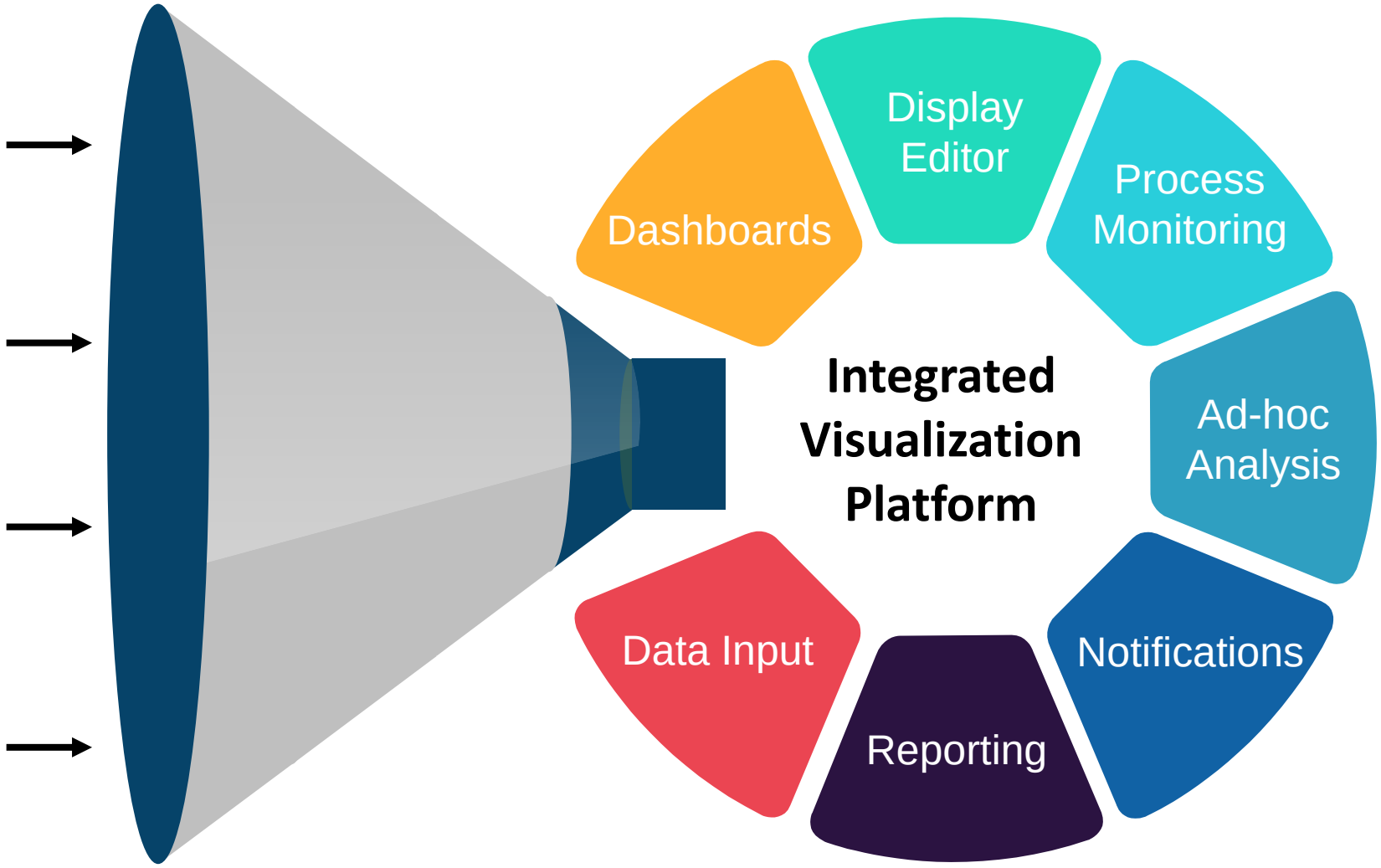
PI ProcessBook
Display Editor
Process Monitoring

PI Coresight
Ad Hoc Analysis
PB Display Viewer

PI WebParts
Dashboards

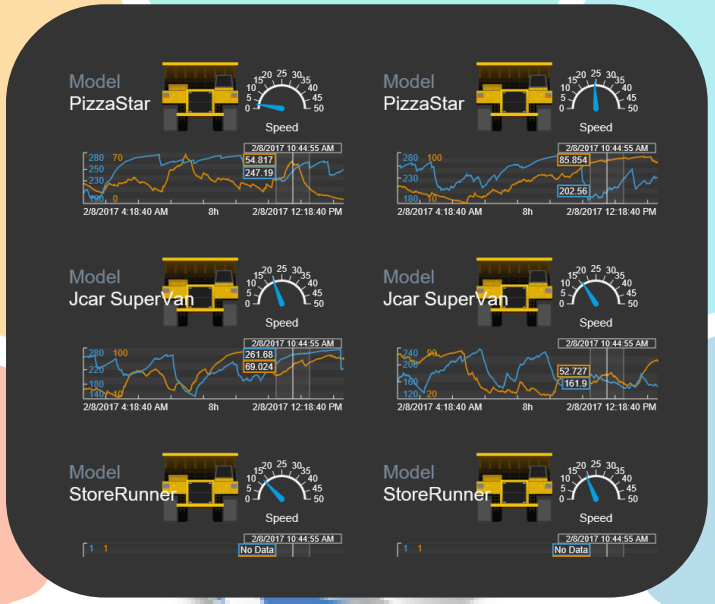
PI Manual Logger
Manual Data Entry

Tomorrow

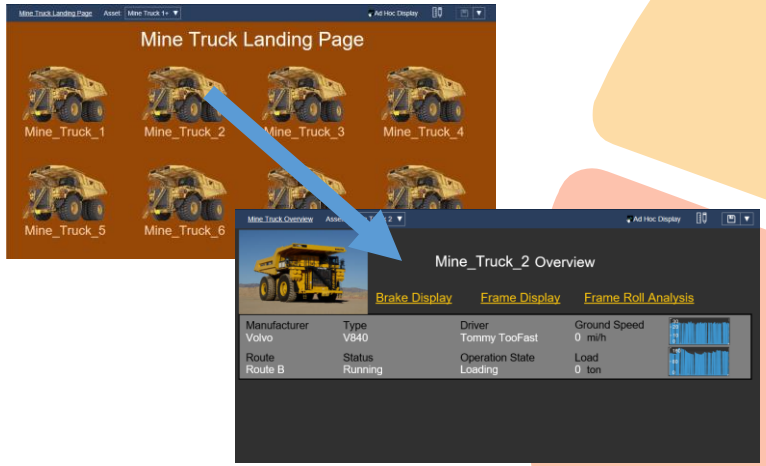


PI Vision 2017

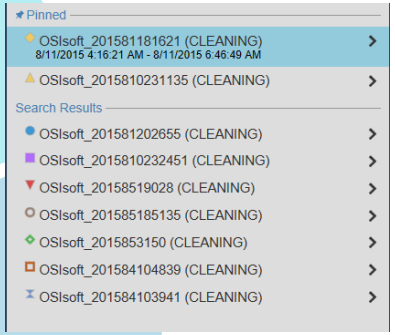
Collections



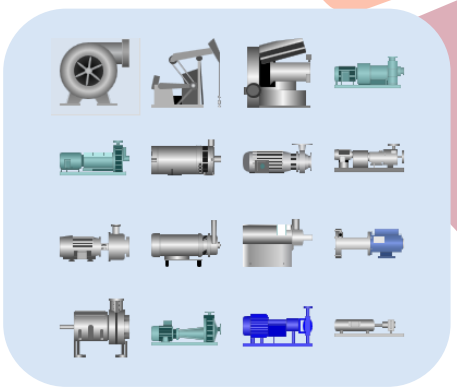
Drill-in Navigation



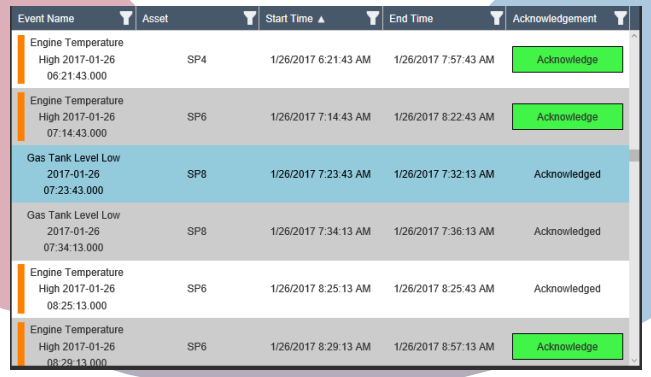
Pinned Events



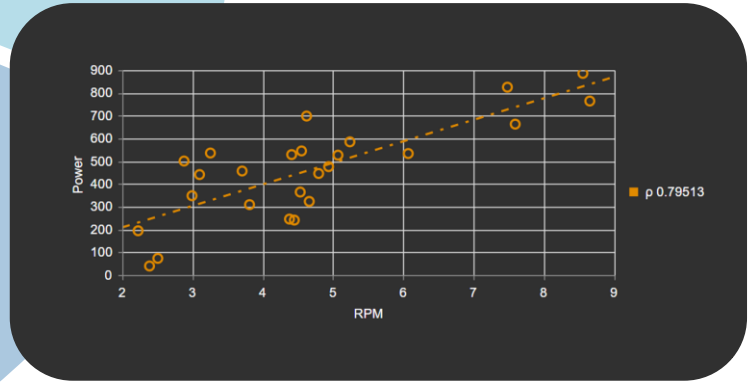
Graphic Library



Events Table



XY Plot



4 Answering Enterprise Questions

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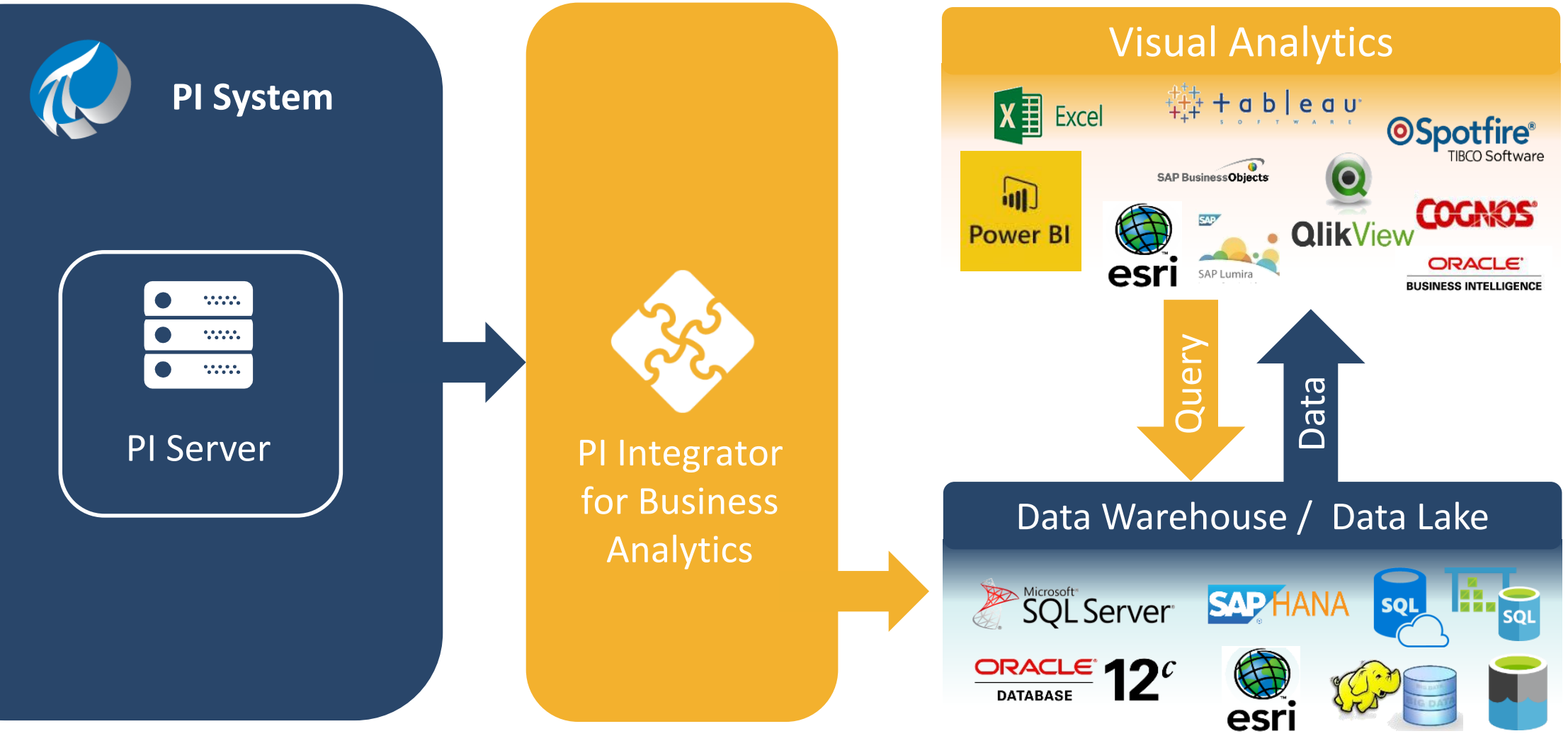
Questions customers want to answer

What is my overall production in each region over the last year? How does this change over time?

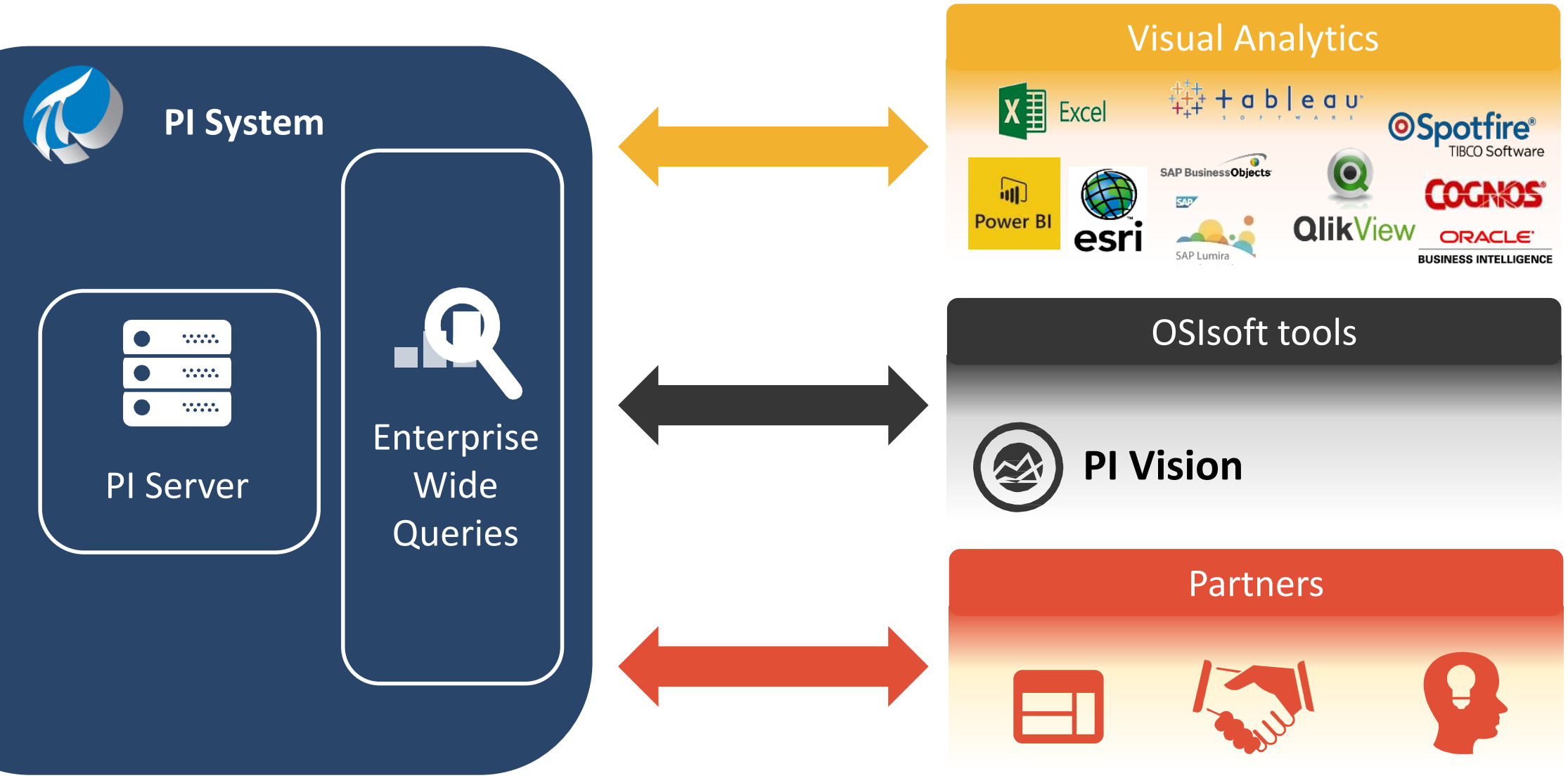
Did I produce within my compliance goals? When did I not comply? On which assets?

What assets are performing the best and worst? What factors are contributing to that performance? Which assets are most in need of maintenance?

They do this today using PI + Integrators



Direct Access from PI Vision, Partner Apps, and BI Tools



5 Complementary Cloud Services

Complementary Cloud Services

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Building an infrastructure approach

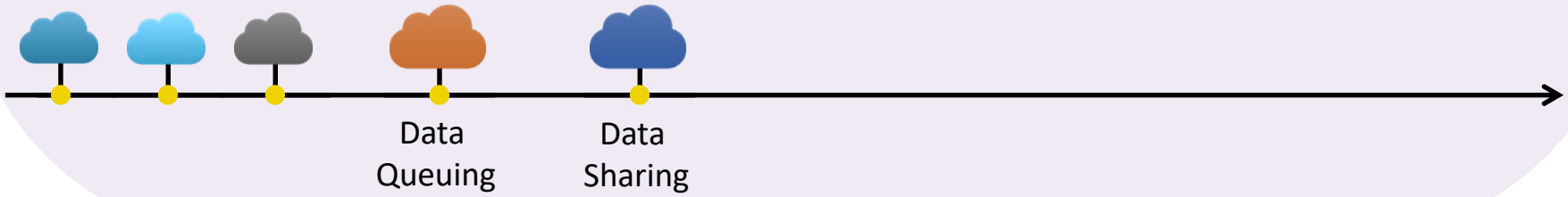
Cloud Services Platform

Building complimentary capabilities

Commercial Cloud Services Offerings

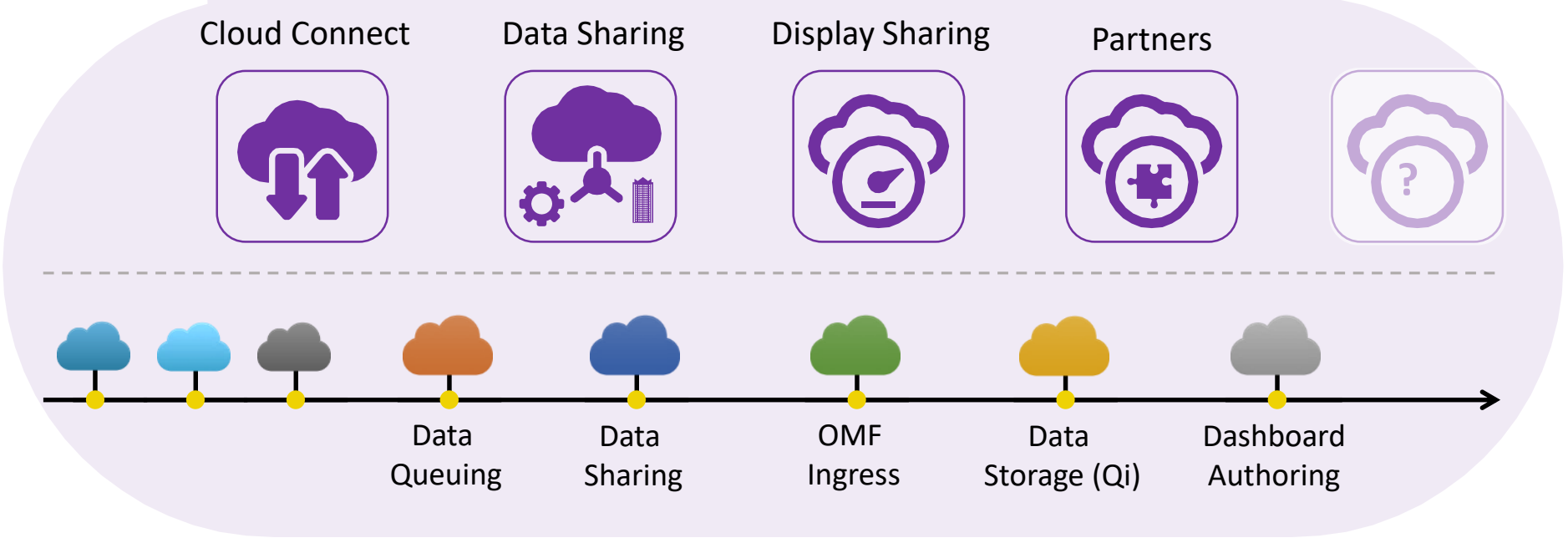
Cloud Connect

Cloud Services Platform



Transforming platform services into commercial offerings

Commercial Cloud Services Offerings

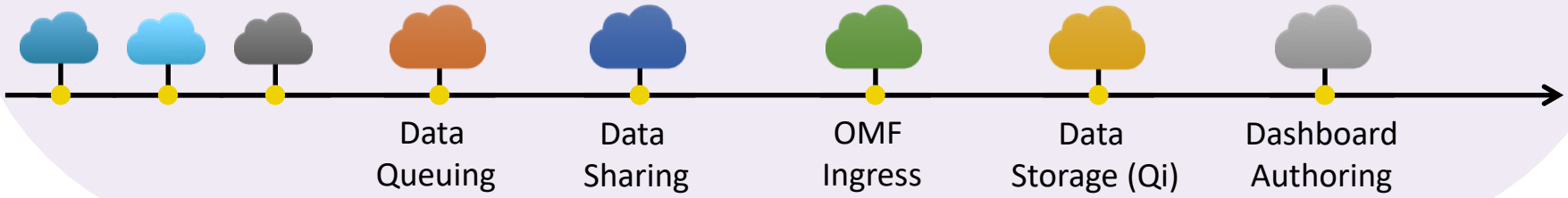


Cloud Services Platform

Building complementary capabilities

Commercial Cloud Services Offerings

Cloud Services Platform



On-premises capabilities

Have an idea how to improve our products?

OSIsoft wants to hear from you!

https://feedback.osisoft.com/

Contact Information

- **Maximo Moglia Calps**
- mmoglia@osisoft.com
- Account Manager
- OSIsoft

감사합니다

谢谢

Danke

Gracias

Merci

Thank You

ありがとう

Спасибо

Obrigado