

What is the PI System?

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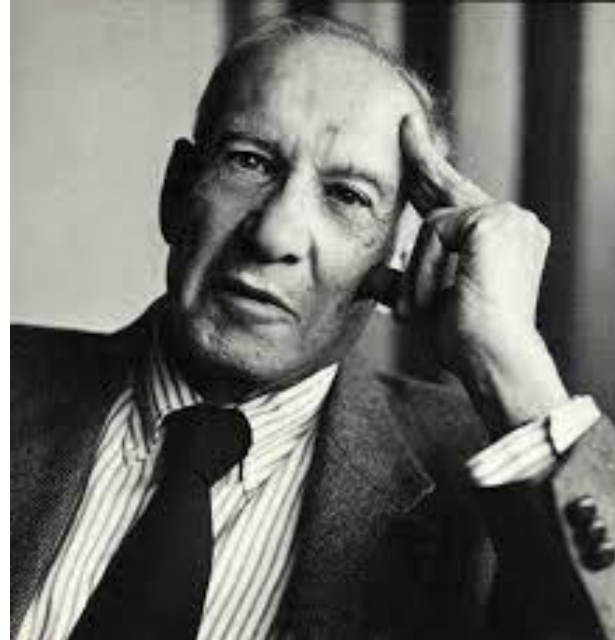
What is the PI System?



OSIsoft - The PI System

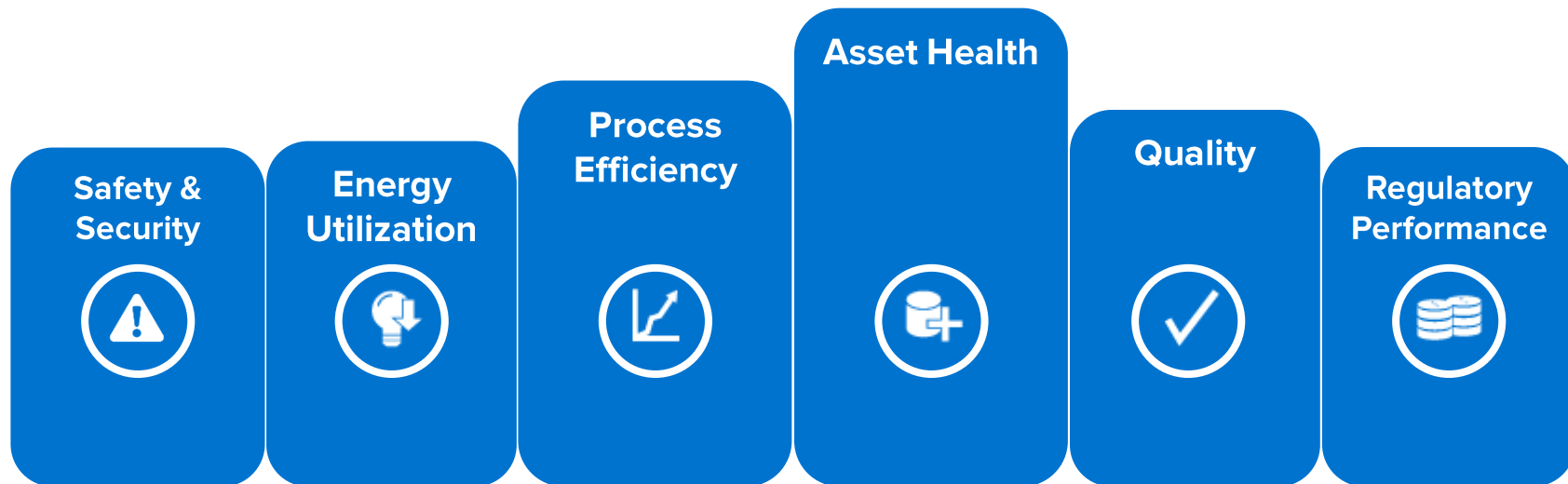
Transforming your world with Data

“The important and difficult job is never to find the right answers, it is to find the right question”



Peter Drucker,
The Practice of Management

Our Customers Gain Value



Our Customer's Challenge:

What is the forecast of productivity?

COO

I need a monthly rollup of energy use for these buildings

Plant Manager

The turbine is not working – what's the problem?

Maintenance Technician

I need to know the *moment* it goes out of tune

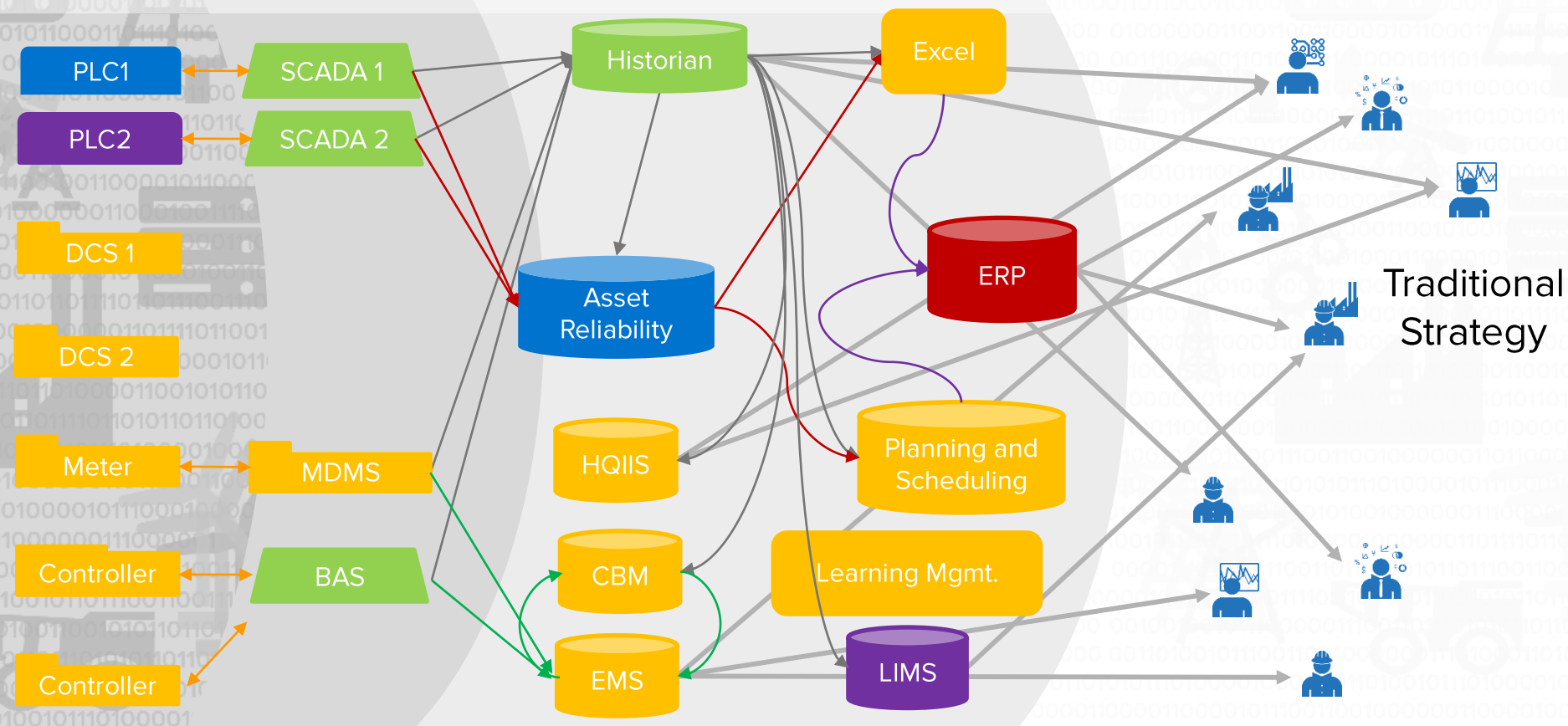
Engineer



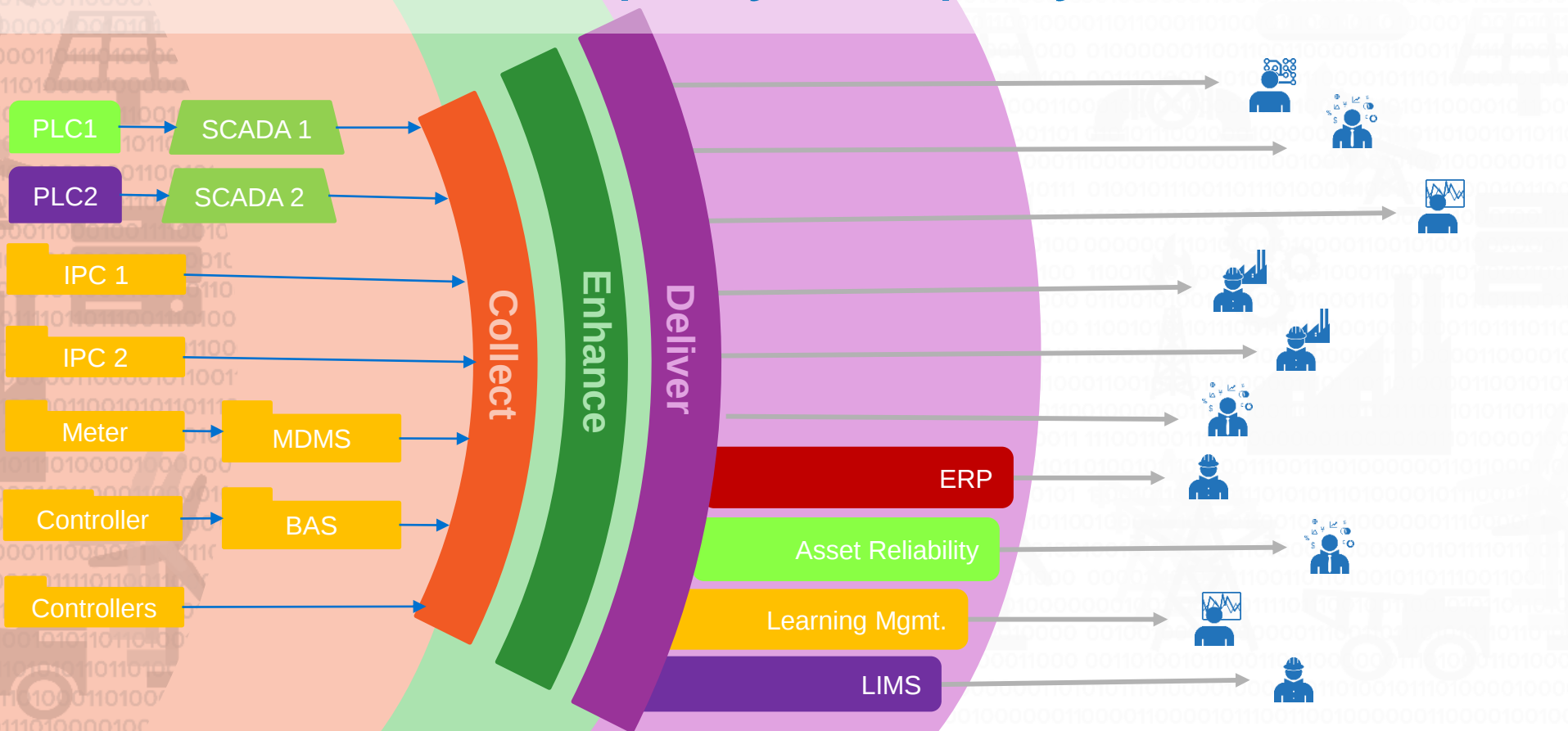
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Silos to Standards / Complexity to Simplicity



Silos to Standards / Complexity to Simplicity



The PI System has 3 Layers

Collect

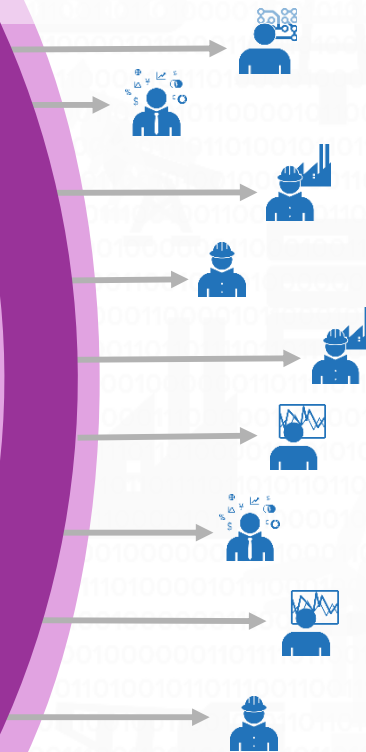
PI Interfaces

**Manage
Enhance**

PI Server

Deliver

PI Tools

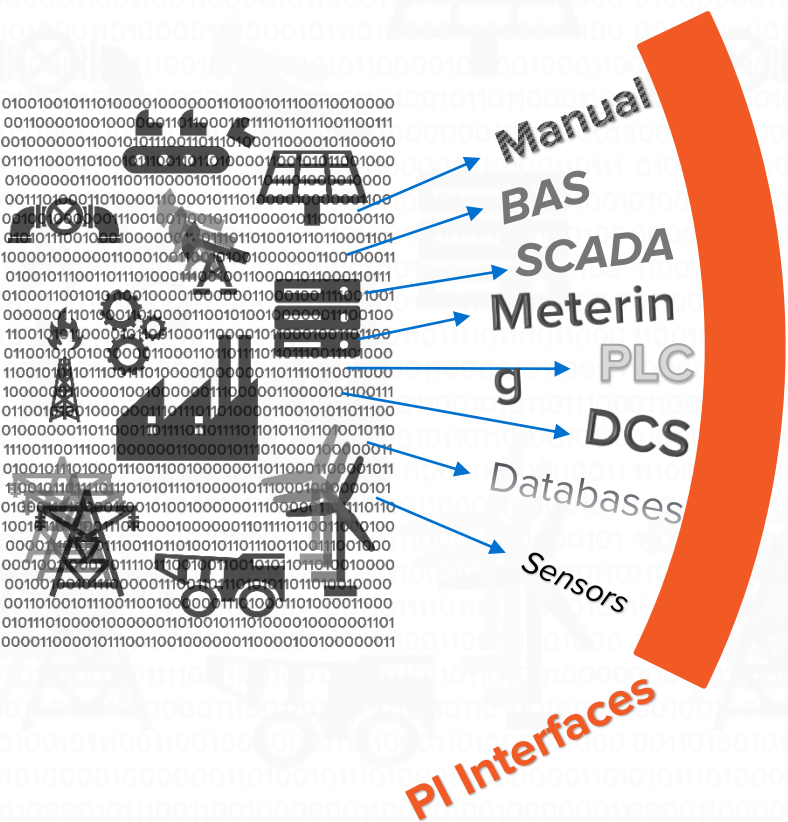


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Pervasive Connectivity

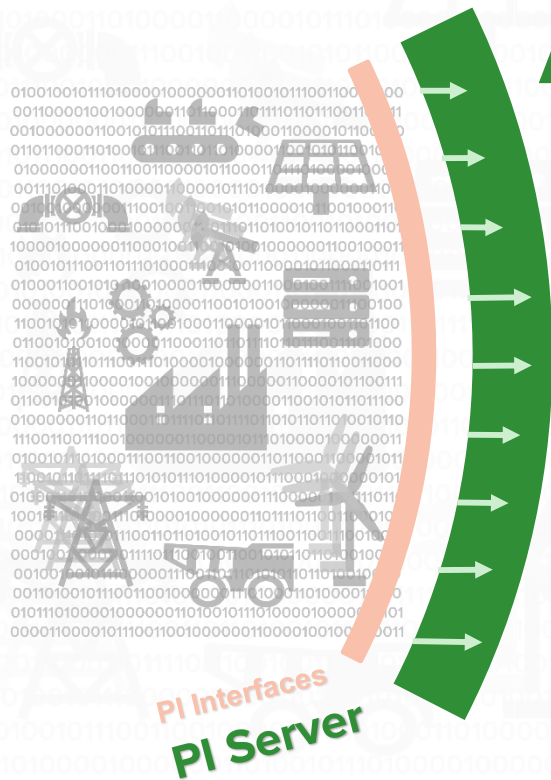
PI Interfaces



Directly connects to more data sources than any other operational data collection system

Proven Engine

PI Server



A PI Server is:

System of Record
Real-time Processing
Data Calculations
Alerting Engine
Metadata Layer
Event Tagging

COMMON PI SERVER
~20 M WRITES/DAY

BIG DATA CLUSTER
100+ MACHINES
9 B WRITES/DAY

HIGH PERFORMANCE
PI SERVER
43 B WRITES/DAY

Enhance your data

Real time capabilities



PI Asset Framework



Status: Running
Speed: 5 mph
Oil Temp: 200 °F

Fit your users

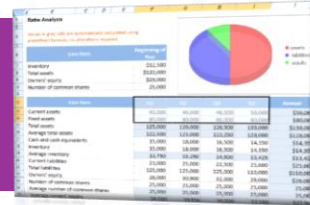
PI Visualization Tools

PI Interfaces
PI Server
PI Tools



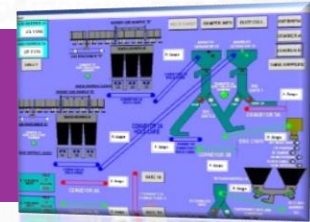
PI DataLink
Access data from Excel

Video: What is
PI DataLink



PI ProcessBook
Visualize process in real time

Video: What is
PI
ProcessBook



PI Coresight
Anywhere, Anytime

Video: What is
PI Coresight



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Boundless

Open data export



PI Integrators

Move data between business and geographic boundaries.



PI System Access

Programmatic access to build anything on the PI



**Partner
Applications**



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OSIsoft Product List

Connections

PI COM Connector

PI Connectors (some examples below)

PI Connector for Cygnet

PI Connector for IPMI

PI Connector for EtherNet/IP

PI Connector for Kongsberg

PI Manual Logger (PI ML)

PI Interfaces (some examples below)

PI Interface OPC DA

PI Interface for Modbus Ethernet

PI BacNet

PI Interface for Fast Fourier Transform (FFT) Data

PI Interface for Universal File and Stream

PI IT Monitor

PI to PI Interface

...and many more

PI Integrators

PI Integrator for Esri ArcGIS

PI Business Integrator

Server

PI Server

Event Frames

Notifications

Asset Calculations

Asset Framework (AF) Server

Data Archive Server

PI System Mgmt. Tools (PI SMT)

PI Tag Configurator

PI Collective

PI OPC DA/HDA Server

PI AutoPointSync (PI APS)

PI Batch

PI Cloud Connect

Tools

PI DataLink

PI Coresight

PI ProcessBook

PI WebParts

PI Visualization Suite (All above products are included)

PI DataLink for SharePoint

PI Profile View

PI Compliance Reporting

PI SQC

PI Profile View

PI BatchView

PI ActiveView

PI AlarmView

PI Data Access

PI ODBC

PI OLEDB Enterprise

PI OLEDB Provider

PI JDBC Driver

PI Web Services

OSIsoft - The PI System

Transforming your world with Data

Nowadays people
know the price of
everything and the
value of nothing



Oscar Wilde (1854 - 1900)

It is a very bad thing
that nowadays there
is so little useless
information

Thank You

Mark McCoy

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