

# Virtual Tag Server

Helping Customers Increase Asset Reliability & Availability with a Quality Data Foundation

# Industrial Internet of Things

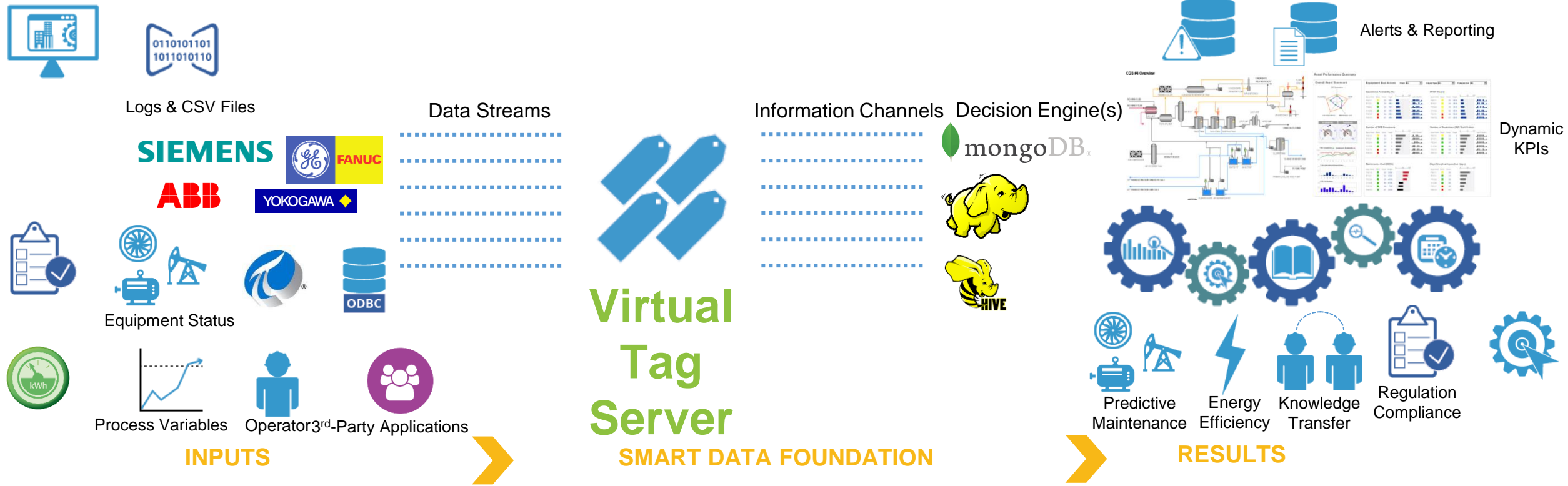
- Data overload
  - Example: 30,000 miles of natural gas pipeline creates 17 terabytes of data each day
- Users and especially engineers want as much data as possible, but power lies in analysis & actionable intelligence rather than data gathering



# *Optiramp* Virtual Tag Server (VTS)

- Central information hub to share, map, bridge data between multiple sources
- Features
  - Aggregate required data from different manufacturers, sources
  - Standard interfaces to link SCADA/DCS/PLC & automation level
  - Standard OPC DA, OPC UA, ODBC, Modbus, and Web Connector interfaces
  - Administer via web in real time
  - Create advanced key performance indicators (KPIs)
  - Process data for use

# VTS Conceptual Overview



- Store millions of data streams down to milliseconds
- See valuable data online immediately

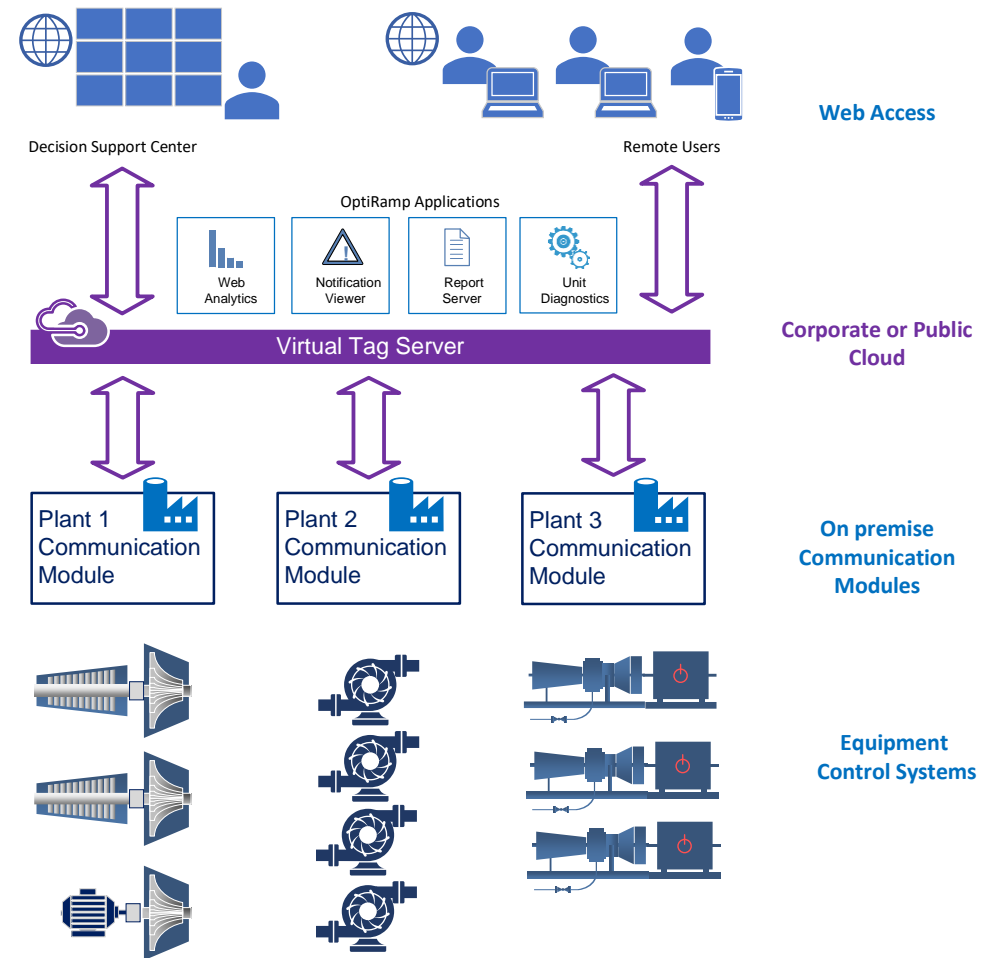
- Turn data into actionable information
- Organize data into a hierarchical structure for finding information quickly
- Track key performance indicators

- Pinpoint key events and see alerts that matter most to operations

# VTS in the Cloud

*OptiRamp* VTS has a flexible structure

- Can be used onsite connected to live data
- Can be used in the cloud if data can be sent to the cloud
- Can have a hybrid situation with onsite communication sending data to the VTS in the cloud



# Archived Data

*OptiRamp* VTS can store large amounts of data

- Allows for long term historical data for ease of use and not flooding storage
- Store millions of tags and data points in production database and data archives
- Allows for easy data backup for long term data
- Allows for security and data encryption

