



# **Emerson and OSIsoft agreement delivers DeltaV's Advanced Continuous Historian powered by OSIsoft Technology**

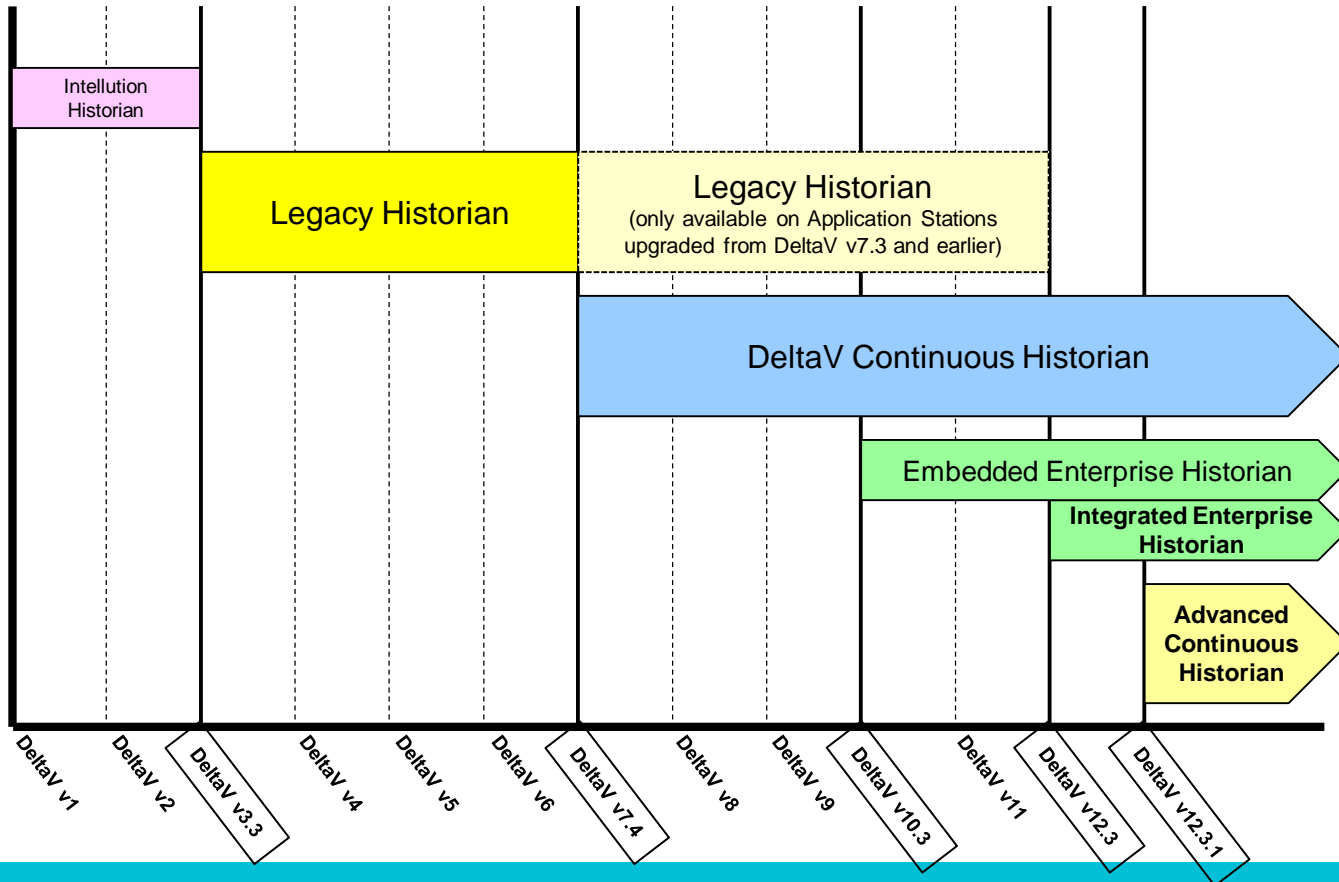
Presented by

**Chris Felts, Emerson Process Management**  
**Paul Hagan, OSIsoft**

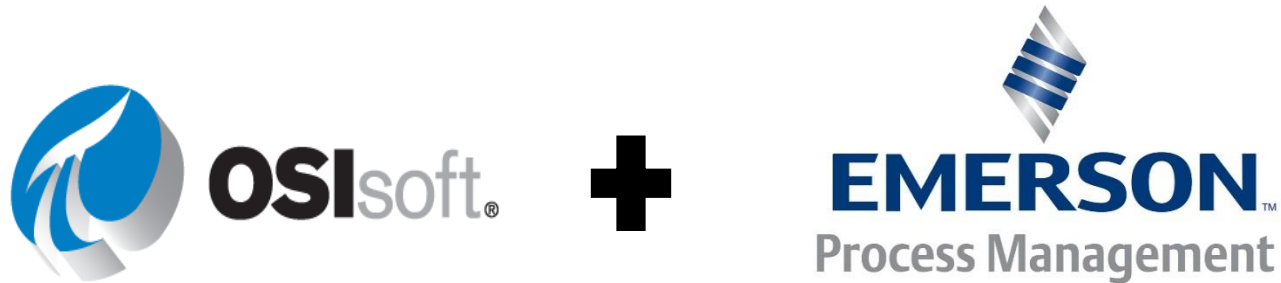
# Introduction

- Emerson and OSIsoft have been long term partners in providing embedded historian and enterprise-wide data infrastructure technologies to Emerson customers.
- Emerson and OSIsoft have recently entered into a new agreement that enables DeltaV customers to use embedded OSIsoft technology in the DeltaV system as the Advanced Continuous Historian.
- The Advanced Continuous Historian provides real-time data and historical context to the DeltaV system enabling operational awareness and real-time decision making for mission critical process control.
- Additionally, this new agreement has resulted in joint product development designed to automatically configure points and easily build PI Asset Framework structure(s) and PI Event Frames triggers to provide tight integration and an automatic configuration experience between the Advanced Continuous Historian and a Site PI Server. DeltaV customers can easily and securely aggregate data from the DeltaV system to a Site PI Server that provides real-time visibility to the plant floor environment outside of the secure process control network.

# DeltaV Historian Timeline



# OSIsoft and Emerson Partnership



Long-term multi  
year agreement

Embedded OSIsoft  
Technology in  
DeltaV (OEM)

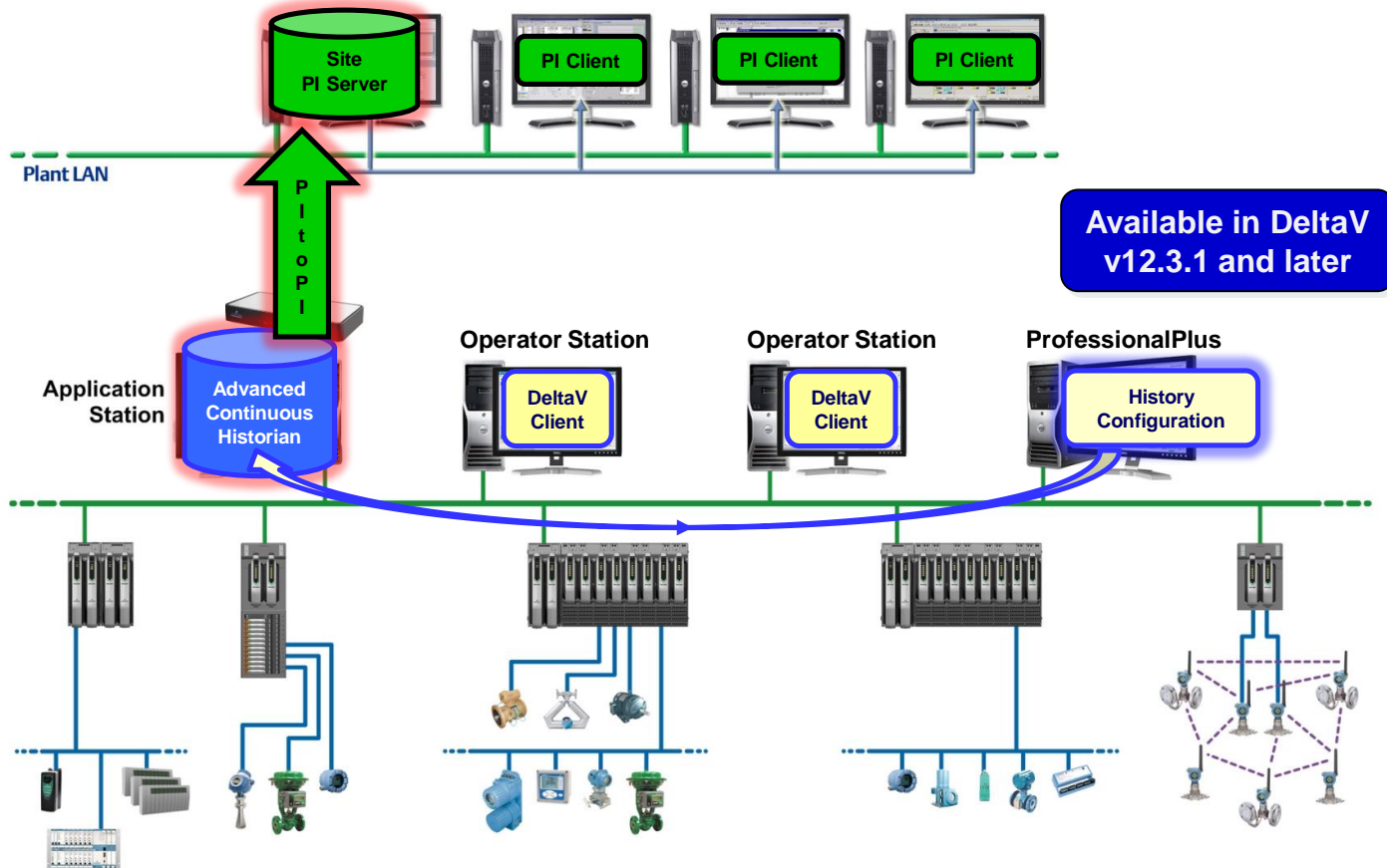
Provides path  
forward for existing  
DeltaV Legacy  
Historian customers

Extends the use of  
embedded OSIsoft  
Technology to new  
DeltaV systems

Improves  
connectivity  
between PI and  
DeltaV systems

Increases DeltaV  
system historian  
options

# Advanced Continuous Historian Architecture

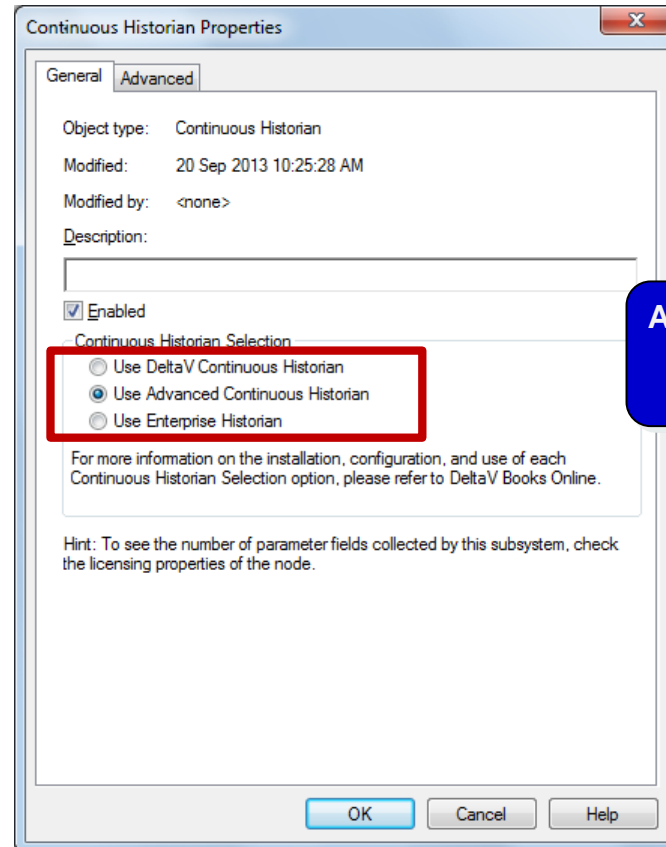


# Advanced Continuous Historian Details



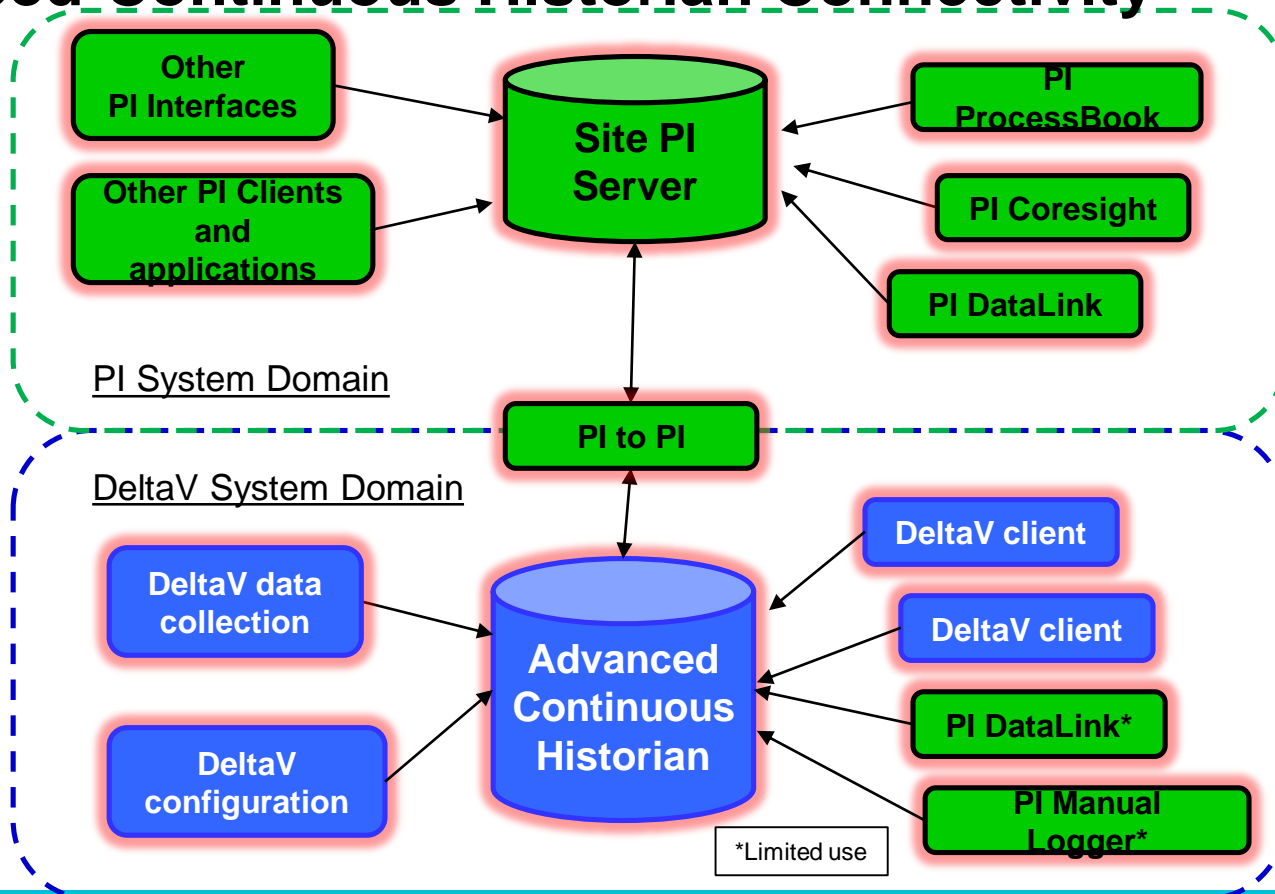
- A new DeltaV historian platform based on embedded OSIsoft historian technology
- Integrated into DeltaV engineering, operations, and security applications
- Improves DeltaV historian performance and on-line data storage capacity
- Provides seamless integration with a site PI Server
- Available as an option on the DeltaV Application Station
- For new DeltaV systems and DeltaV system upgrades

# Advanced Continuous Historian Configuration



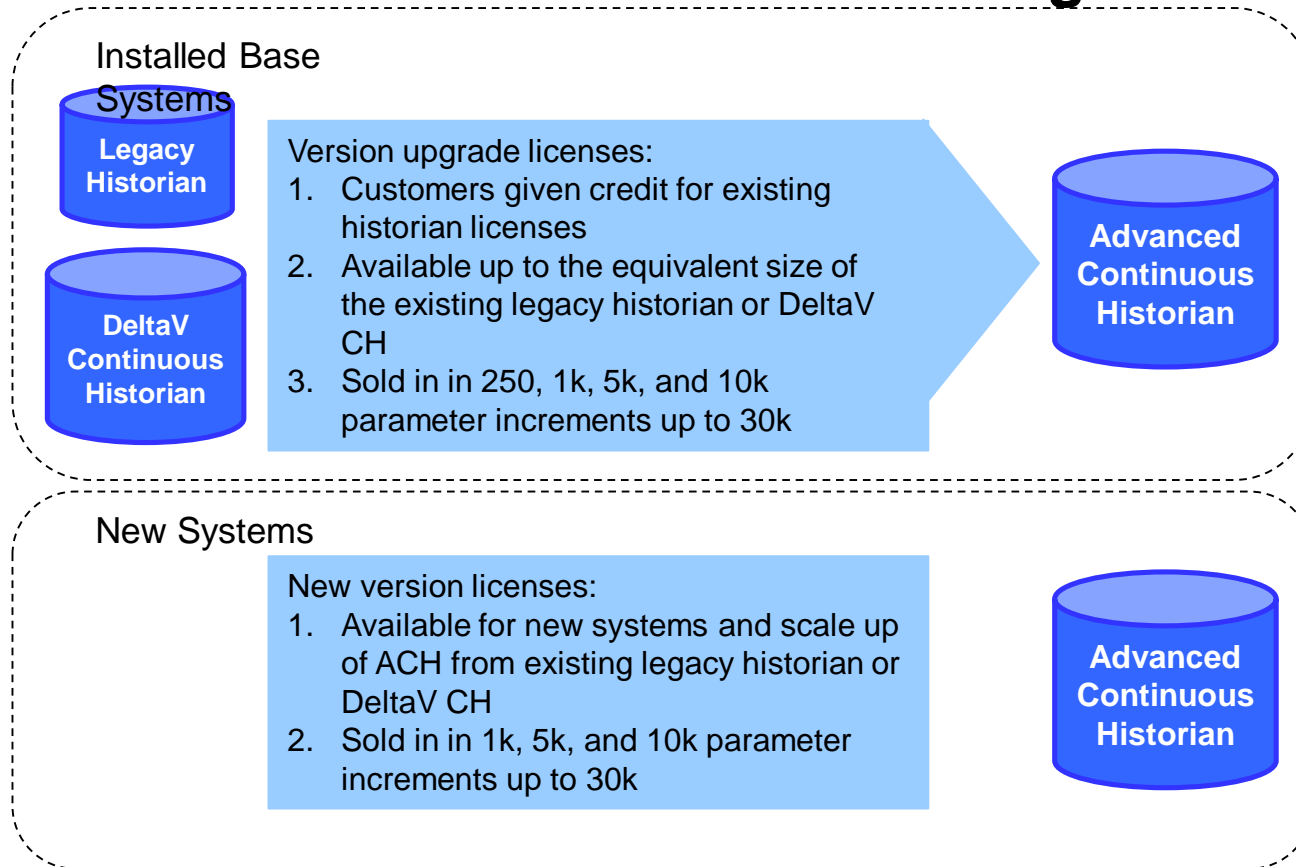
**All other ACH configuration  
is the same as the other  
historian options**

# Advanced Continuous Historian Connectivity



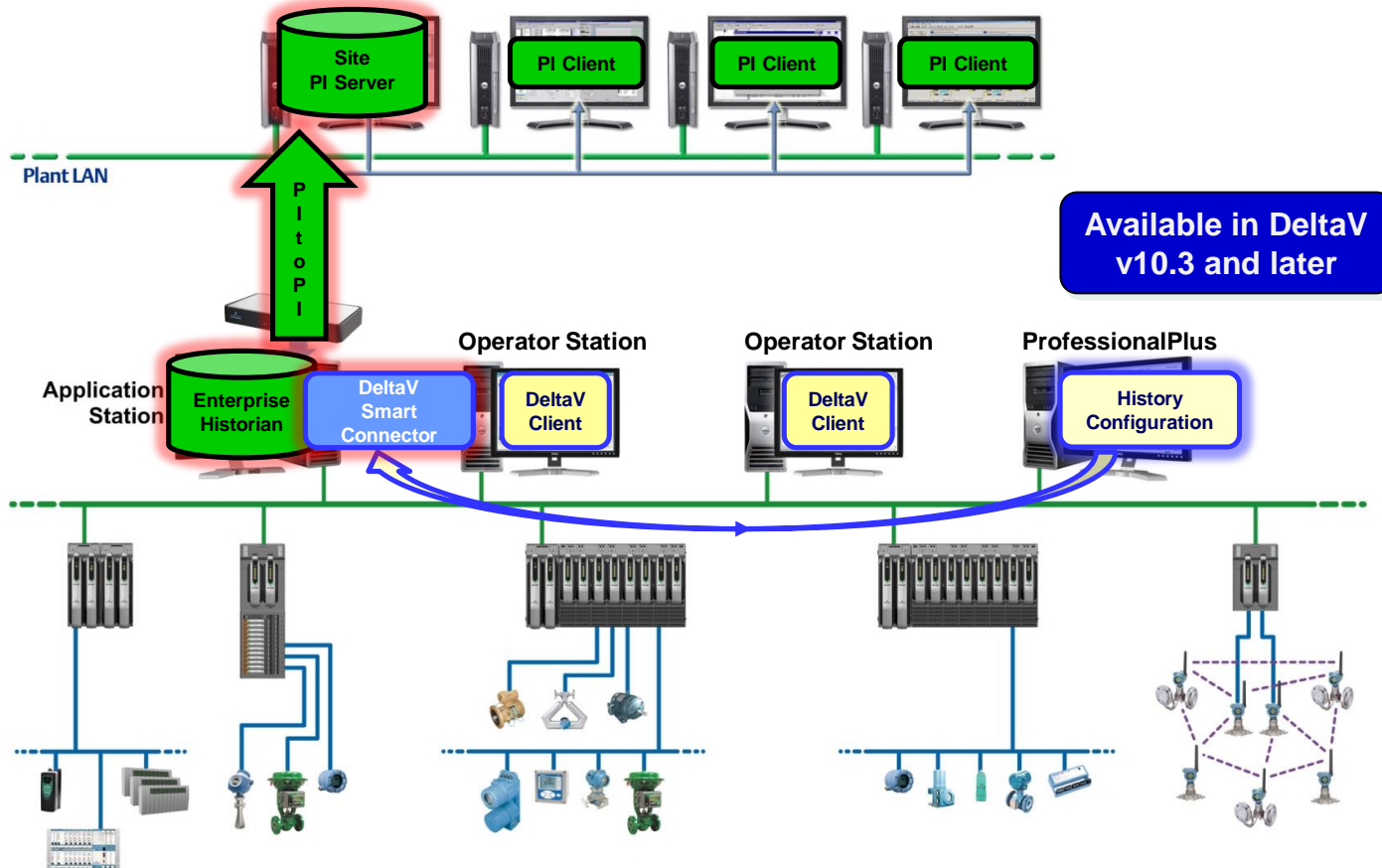


# Advanced Continuous Historian Licensing

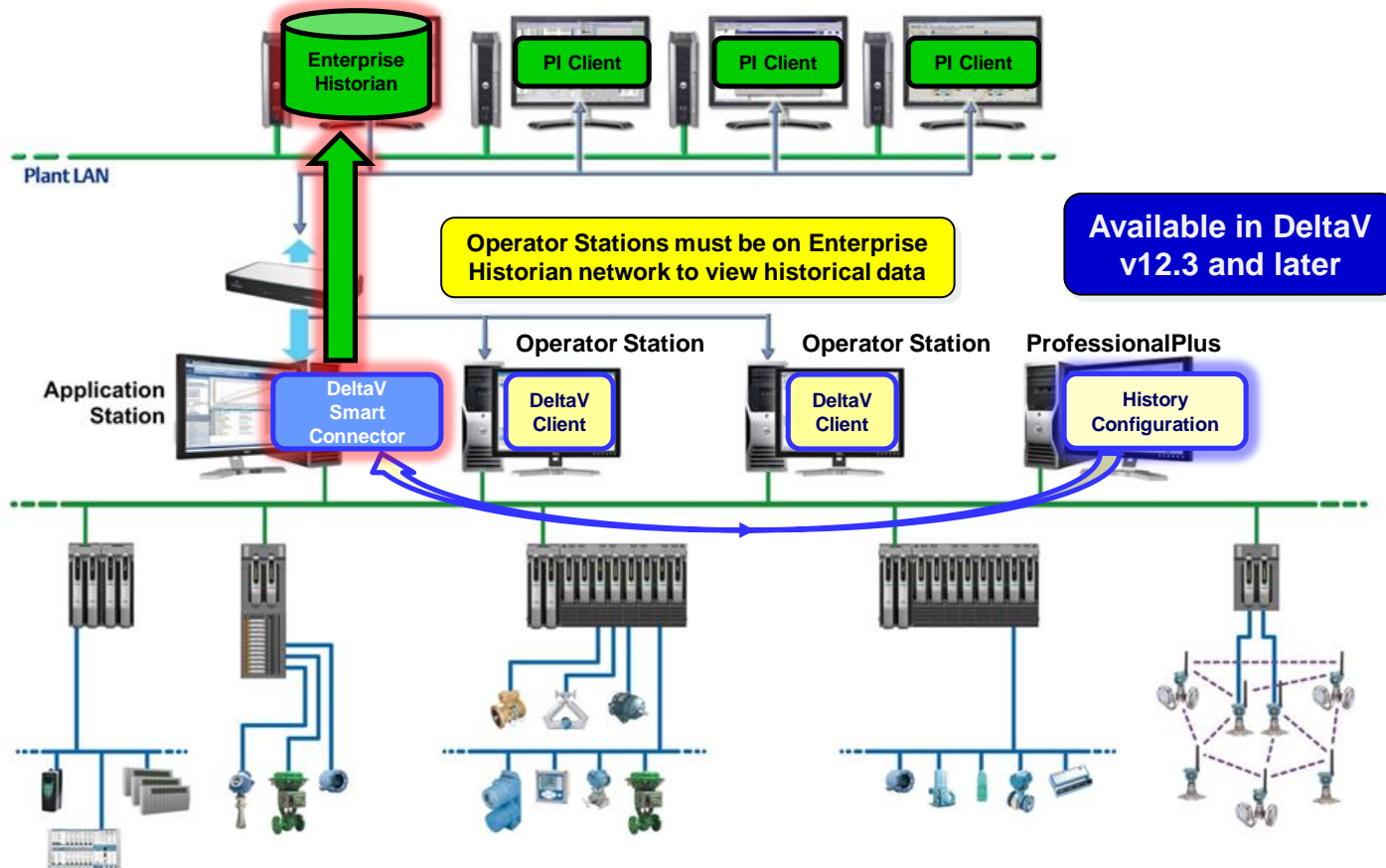


Additional DeltaV system  
historian options using  
OSIsoft technology

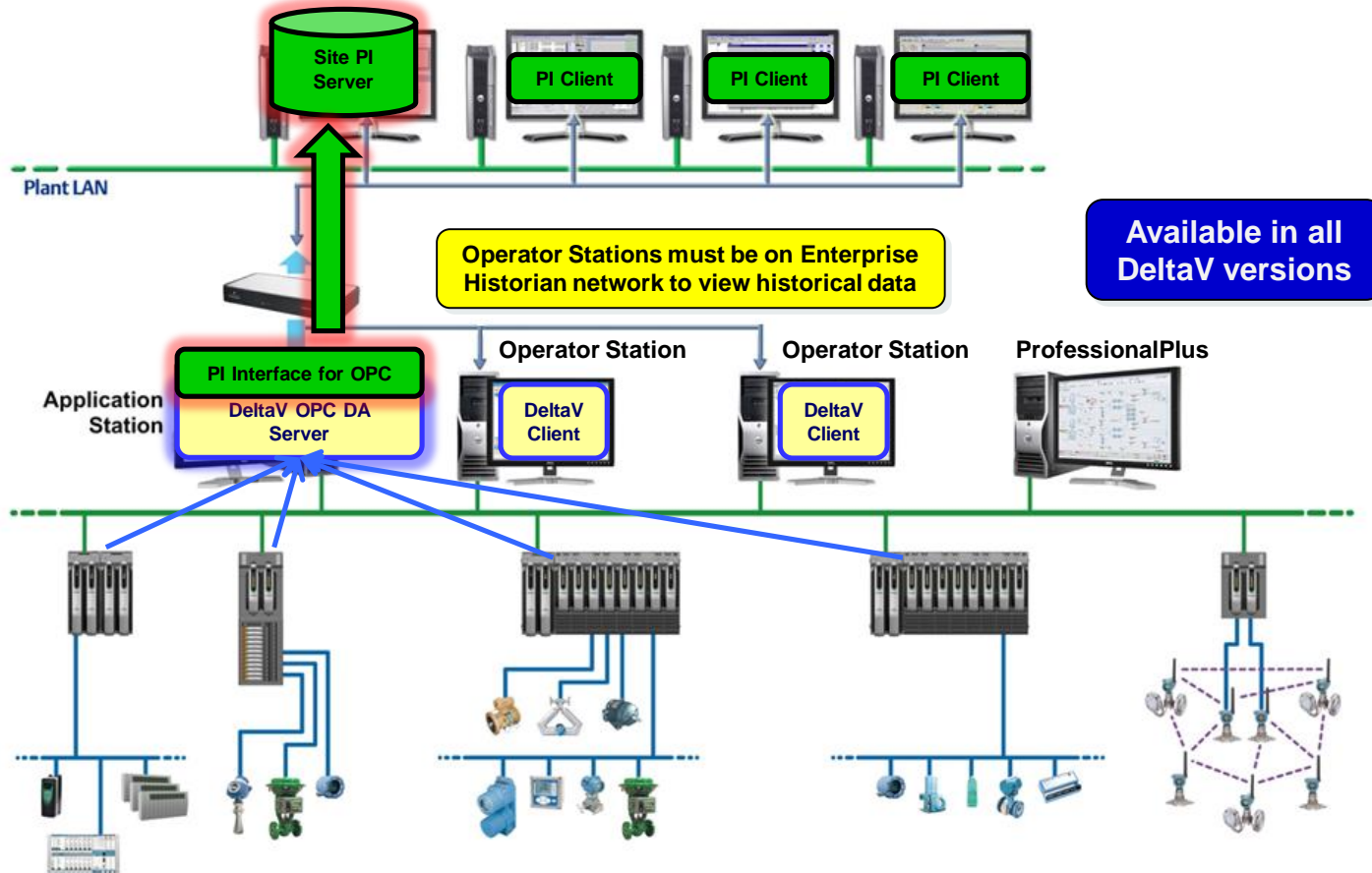
# Embedded Enterprise Historian



# Integrated Enterprise Historian



# Site PI Server: Real-time Data Transfer

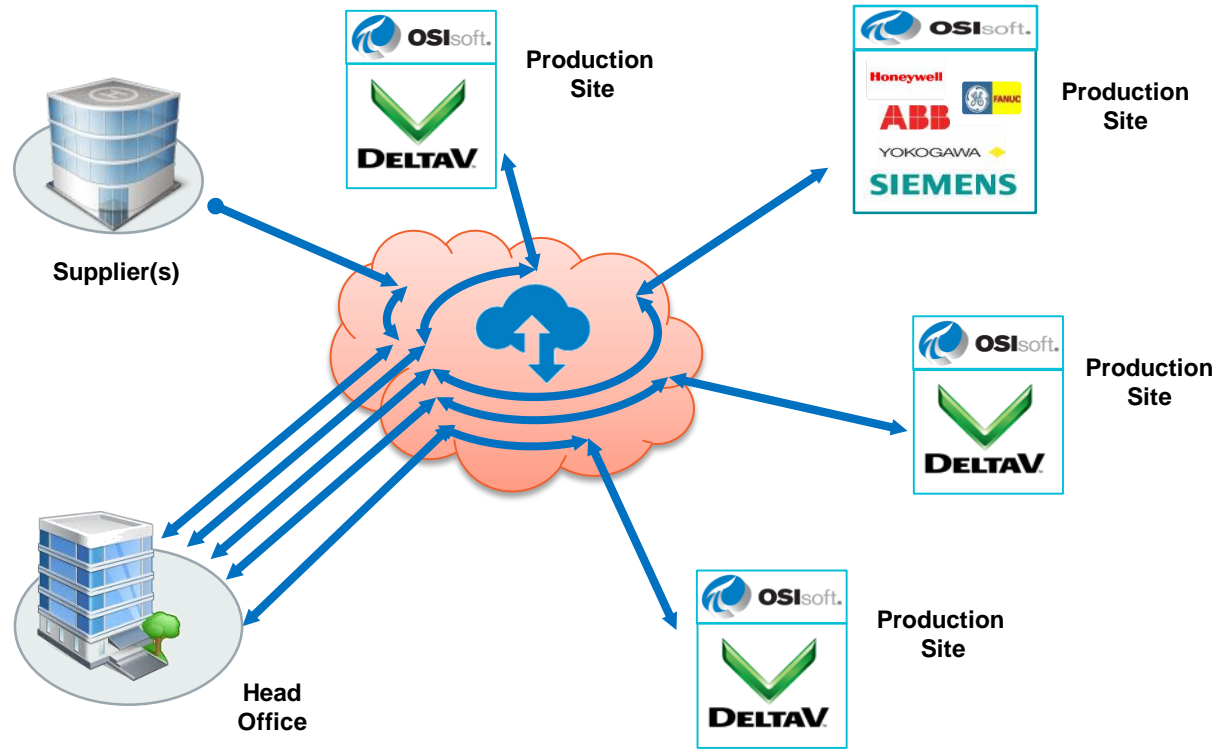


# DeltaV Historian Feature Comparison

Feature	DeltaV CH	ACH	Ent Hist	Site PI
Well integrated into DeltaV	●	●	◐	○
Uses DeltaV security model	●	●	◐	○
Sold by Emerson	●	●	◐	○
Supported by Emerson	●	●	◐	○
Lowest cost system historian solution	●	◐	○	○
Parameter status collection with value	●	○	○	○
Seamless connectivity to site PI Server	◐	●	●	N/A
Non-DeltaV data collection	◐	◐	●	●
Large on-line storage capacity	○	●	●	●
Large tag count	◐	◐	●	●
PI client application access	○	◐	●	●
Multiple DeltaV system solution	○	○	●	●

Legend: ● High ◐ Medium ○ Low

# Seamless, Enterprise-wide Data Visibility

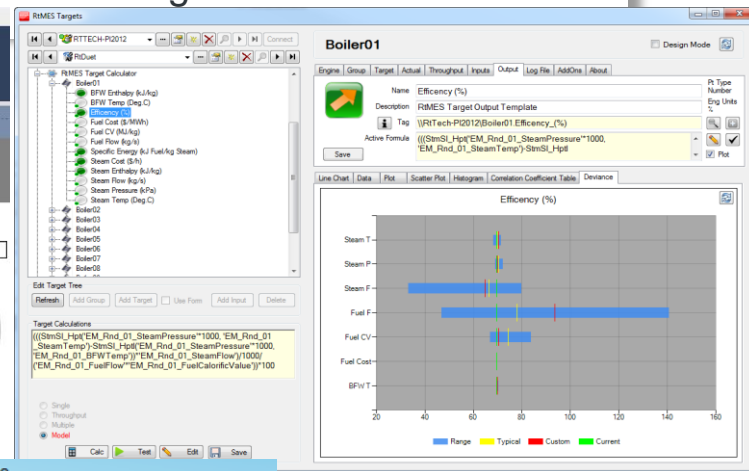
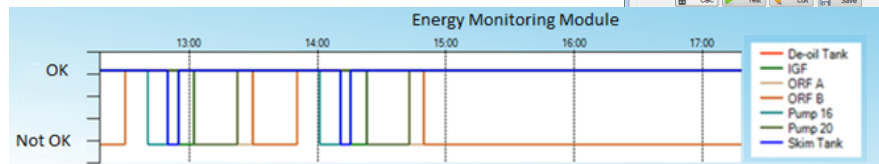
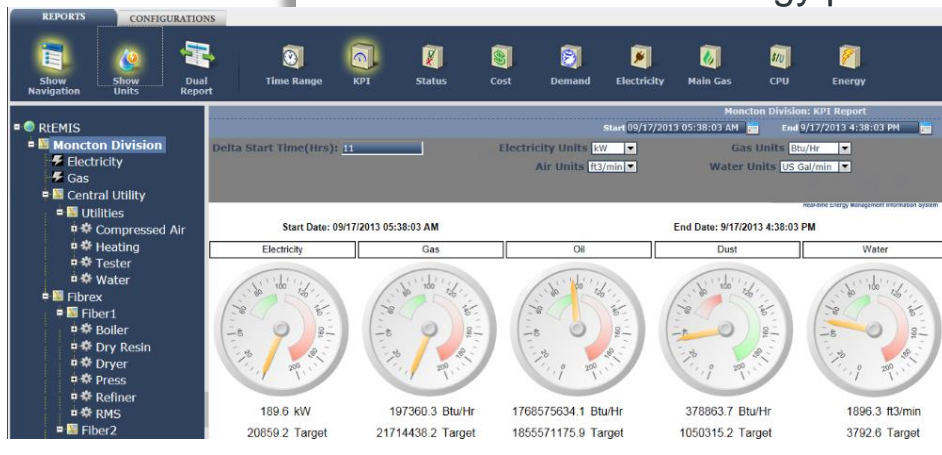


# Example Emerson Enterprise Application: Energy Management

## See inside your plant with an energy lens

- Gain better insight into energy consumption and loss
- Turn energy data into actionable information
- Achieve site-wide energy performance targets

See us in the  
Partner and  
Product Expo





# Advanced Continuous Historian Documentation

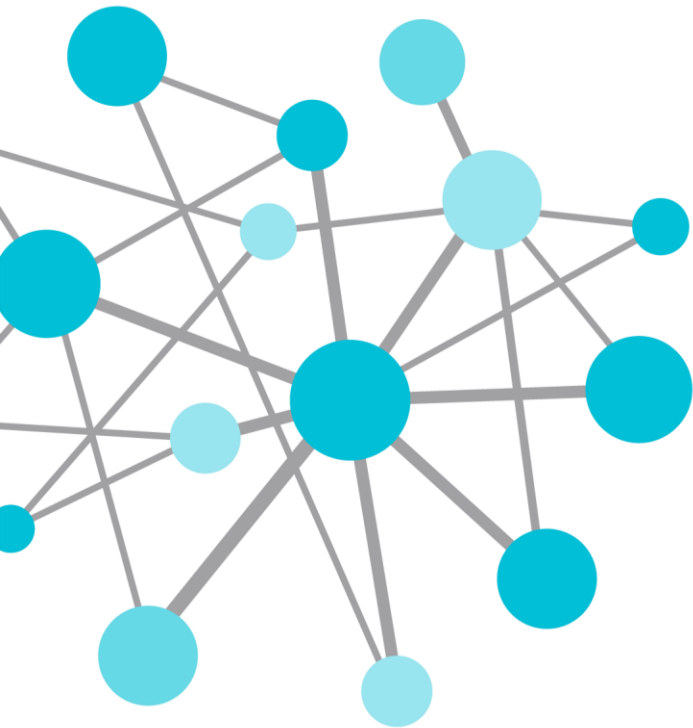
- Product Data Sheet
  - <http://www2.emersonprocess.com/en-US/brands/deltav/documentation/Pages/index.aspx>
- FAQ White Paper
  - <http://www2.emersonprocess.com/en-US/brands/deltav/documentation/Pages/whitepapers.aspx>
- OSIsoft product details
  - <http://www.osisoft.com/software-support/products/Products.aspx>

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