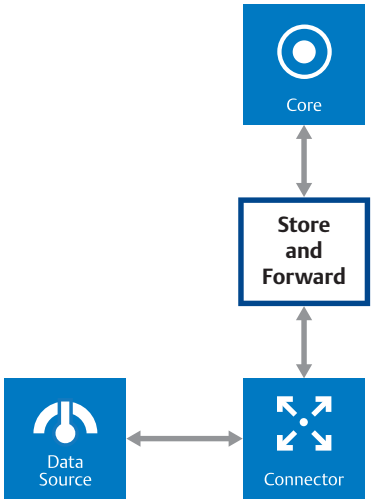
AMS Optics
Connectivity

Securely connect and collect disparate OT data. Integrate any enterprise application with interface servers. Bring your Operations and IT organizations closer to meet your digital transformation objectives.

Don't Lose Your Data

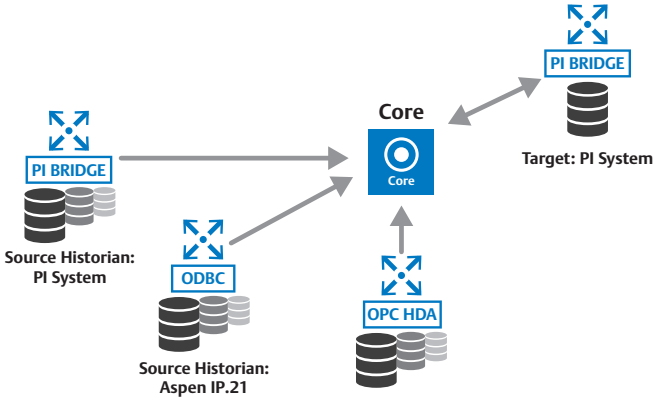
Store and Forward (SaF) sub-system buffers data generated by a source. SaF can be configured to use volatile main memory or persistent hard disk space.



Buffered Items:
- Real-time data (VQT)
- Log messages
- Alarms and events (A&E)
- Audit Trail entries
- Messages

Easily Transfer Historical Data

History Transfer feature allows movement of historical data from an external historian source into AMS Optics or to another external historian destination.



Interfaces Supported

Ingress

- Classic OPC (DA/HDA/A&E)
- OPC UA
- OleDB
- Relational Databases (ODBC)
- XML-DA
- MQTT
- Modbus
- Structured Text
- Unstructured Data
- Web API and Advanced End Points—custom Web APIs for scalable web integrations; ex: ERP or LIMS systems
- Emerson Connectors including:
  - AMS Device Manager
  - AMS Machine Works
  - AMS Machinery Manager
  - AMS Optics Analytics
  - Plantweb Insight
  - DeltaV Control Loop

  Refer to individual Emerson Connector data sheets for more details.

Egress

- OPC
- Web API (REST)
- Advanced End Points—custom Web APIs for scalable web integrations; ex: PowerBI, Qlik, Grafana, etc.
- Kafka Producer
- MQTT Publisher

Application Integration

- SAP
- IBM Maximo
- AMS Optics Mobile App
- AMS Optics Augmented Reality

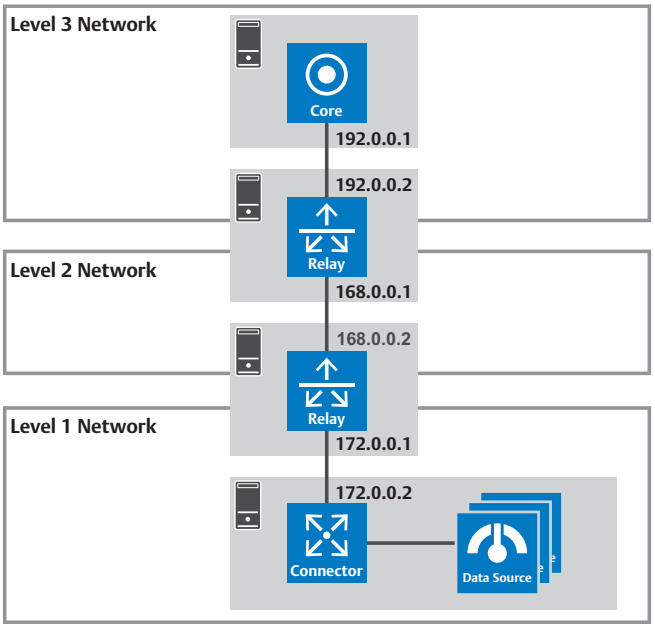
Tested with 125+ OT Systems from Third-Party Vendors Including:

- ABB
- AspenTech
- Bently Nevada
- GE Fanuc
- HIMA
- Honeywell
- Microsoft
- OSISoft
- Rockwell
- Schneider Electric
- Siemens
- Softing

Refer to the AMS Optics System Connectivity List for additional details.

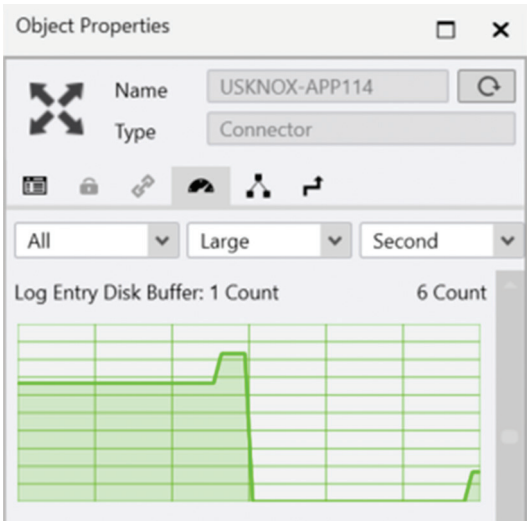
Bridge Through Physical Networks

Relay Service allows components of AMS Optics to be located in different physical networks.



Built-In Diagnostics

Rich set of performance, state and availability indicators that eliminates the need to login to multiple systems to troubleshoot connectivity issues. Historize diagnostics in AMS Optics.



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