

Gateway to Industrial Interoperability

Access the World of OPC with the FactoryTalk Gateway

Rockwell Automation MatrikonOPC

The FactoryTalk Gateway enables an interoperability enterprise by accessing the world of standardized OPC products.

Reliable access to all the manufacturing data distributed through out the enterprise is crucial to improving business processes. In order for successful manufactures to become more agile, productive and cost effective, they must be able to access essential data, and get it to the right people in the proper form. OPC provides the standardized data access and the FactoryTalk Gateway opens the door to truly integrated production and performance.

INTEGRATED ARCHITECTURE, INTEROPERABLE ENTERPRISE

The FactoryTalk Integrated Production & Performance Suite offers applications that focus on plant information needs and cover the full range of manufacturing disciplines. From Design and Configuration applications for creating and modeling production processes, to Production Management applications for handling tasks like order scheduling, execution and tracking, as well as interactive manufacturing process control.

Performance and Visibility applications such as user interfaces and reporting and analysis tools provide the window into the process needed for quality decision-making. The suite also provides Asset Management applications for optimized maintenance and plant operation tasks, and Quality and Compliance environments to ensure companies adhere to established standards and specifications throughout the whole process.

All of these essential functions rely on data from through out the enterprise. Data Management tools are needed to

access, collect and transform production information. This includes integrating data from a wide range of third party sources, as well as providing information to applications in the enterprise. The FactoryTalk Gateway achieves this system wide interoperability using OPC.

OPEN THE DOOR TO A WORLD OF OPTIONS

OPC is the globally adopted, open industry standard for interoperable connectivity. Certified OPC products provide seamless information integration across the enterprise. Not only does the FactoryTalk Gateway provide a secure window into all FactoryTalk applications, it provides a unified OPC interface for serving data from across the FactoryTalk Suite..

A typical industrial automation facility encompasses a wide range of applications, devices and information sources. Most common are third party control devices such as DCS, PLC and RTU hardware. Critical real time data required by information systems is also located in historians, maintenance applications, building control systems and other sources. The interoperable client-server architecture OPC provides means the FactoryTalk Gateway is a robust information conduit for countless, industrial strength OPC products. MatrikonOPC serves as a good example of the wide range of industrial-strength OPC Certified products available for connectivity:

- **MatrikonOPC PLC and Telemetry Connectivity Suites** – Integrate FactoryTalk applications with legacy or third party hardware for vendors such as GE, Siemens and Motorola. OPC servers are also available for common industrial protocols like Modbus, DNP 3.0 and IEC 60870 as well as specialized equipment like Triconex Safety systems.

- **MatrikonOPC DCS Connectivity Suite** – Many users want an integrated architecture, but Distributed Control Systems often represent a considerable hardware investment to be completely replaced. OPC connectivity to vendors such as Honeywell, ABB and Emerson, or specialty equipment like GE Mark V turbine controls, ensures the FactoryTalk Gateway has all the access it requires without hardware changes.
- **MatrikonOPC Historian Connectivity Suite** – A manufacturing site consists of more than just production controls. Business Information Systems rely on vital data stored in process historians such as Honeywell, AspenTech, GE and others. Countless applications also archive data in relational databases such as Oracle, Microsoft SQL, Access and other ODBC compliant systems.

The various MatrikonOPC Connectivity Suite provide interoperable OPC access to all these sources and many more.

GATEWAY TO INTEGRATION

In addition to standardized OPC connectivity to countless data sources, the FactoryTalk Gateway also offers several other benefits. The FactoryTalk Gateway allows access to data in FactoryTalk View Site Edition and optimized communication to Rockwell Automation's ControlLogix systems via one unified interface. The easy to use FactoryTalk Gateway software also provides redundancy and advanced troubleshooting features. In conjunction with FactoryTalk Live Data and FactoryTalk Directory, the FactoryTalk Gateway provides redundancy to HMI and data servers. Trouble shooting and system auditing is also simplified by allowing all diagnostic and audit messages to be stored in one central database. Combining key diagnostic messages with integrated viewing tools for counters, messages and an integrated help system, means FactoryTalk Gateway provides a powerful tool for reviewing the current state of all FactoryTalk applications, include the OPC server.

BRIDGE THE INFORMATION GAP

Having the speed and agility to make the right decisions is what sets pacesetter manufacturers at the front of the pack. This competitive edge comes from being able to make informed decisions based real-time data from the process. This requires fully integrated, scalable solutions that provide manufacturers with the insight and performance to optimize production, respond more quickly to demands, and reduce costs. The tight integration of FactoryTalk Live Data with quality

MatrikonOPC servers gives FactoryTalk applications access to a broad range of information enabling users the ability to extend their production systems to include more information. FactoryTalk Gateway integrated MatrikonOPC client tools provides more options for applications that require scaling, calculations or combining values.

ABOUT MATRIKONOPC

(a division of Matrikon Inc. [TSX:MTK])
With a collection of more than 500 OPC products and over 100,000 installations worldwide, Matrikon is the world's largest OPC company. MatrikonOPC is a charter member of the OPC Foundation, and has demonstrated a commitment to developing OPC as the industrial connectivity standard.

Matrikon's OPC international customer base includes a wide range of companies from process to discrete manufacturers in industrial, commercial and military applications. With offices throughout North America, Australia, Europe and the Middle East, Matrikon's reach is global. Visit our site at www.MatrikonOPC.com.



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