With more than 20 years of experience in OPC technology and a close working relationship with the OPC Foundation, Softing is the ideal partner for all OPC topics. Softing develops and markets a broad range of development tools and consumer products, including gateways for innovative and secure IoT architectures. This makes it possible to realize state-of-the-art solutions for OPC-based data exchange, optimally tailored to individual requirements, both in brownfield applications and new systems. All Softing products support the state-of-the-art OPC UA technology. Thus, the implemented applications benefit directly from its advantages. The product range is supplemented by appropriate training and development services.

OPC is the world’s leading interoperability standard for secure and reliable data exchange in industrial automation and other applications. It ensures the seamless flow of information between devices and software applications of different manufacturers. The current OPC UA (Unified Architecture) standard is platform-independent, leveraging advanced security and data modeling technologies to deliver future-proof, scalable and extensible solutions. Companion Specifications further simplify the use of OPC UA for the end user.
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**Fast Development of OPC UA Applications**

- Setting up and programming modern OPC UA systems is often time-consuming and complex. The Softing training offers fast integration of OPC UA and OPC Classic connectivity capabilities in automation applications. The trainings are built around a comprehensive set of libraries fostering a simple and well-documented programming interface. Relevant example applications as well as test and simulation tools allow for a short time-to-market of OPC enabled products.

- **Implementation according latest OPC UA Client respectively Complimentary how-to example applications, step by step**

- **Consultancy for pre-certification and certification support**

- **Technology proven by use in Softing’s OPC UA Server and OPC UA Servers and Clients capable to move data and Integrated security concepts allowing safe remote data**

- **Custom-specific developer-to-developer consultancy**

**OPC UA Gateways**

**Embedded OPC UA Server Gateways for Siemens and Modbus PLCs**

- Fast OPC UA gateway offers full package of transport layer communication and cloud connectivity within a single product. It enables access to the controllers of leading manufacturers and IT systems. Additional functionality enhances security against possible problems and improves the communication between OPC UA servers and OPC Clients, independent offline use of OPC UA both, in OPC UA & OPC Classic. M2M Connector and REST Connector enable the dissemination of data to IoT clouds.

- **Simple and Independent Access to Controllers and IoT Devices**

- **Easy integration of standard OPC UA client libraries into existing IT solutions**

- **Use without modifying control program**

- **Integration services**

**OPC UA and OPC Classic Servers, OPC Middleware**

- **All-In-One Software Solution for OPC Communication**

- **Easy integration of existing and new controllers into “Industrie 4.0” production**

- **Use without modifying control program**

- **Integration of modern OPC UA communication functionality into existing IT solutions**

- **Afforded with pre-defined symbol files for 4 axes and 4 drives**

**dataFEED Secure Integration Server**

- **Secure and Flexible OPC UA-based IT/OT Integration Solution**

- **Flexible data integration layer for IoT applications aggregating production and machine data. It applications can access this data through consistent software interfaces. End users gain the ability to continuously and independently access, and for use in suitable IoT applications.**

- **Technology proven by use in Softing’s OPC UA Server and OPC UA Servers and Clients capable to move data and Integrated security concepts allowing safe remote data**

**Product-Related Services**

- **Offered as “Embedded OPC UA for Developers”, and**

- **Solutions for developers to develop custom OPC clients**

- **Consulting for your implementation and documentation support**

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- **Comprehensive scope of delivery for easy and fast development**

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**Complete Solution Addressing All Customer Requirements**

- **Open and Standards Based OPC UA Technology**

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- **Technology proven by use in Softing's OPC UA Server and OPC UA Servers and Clients capable to move data and Integrated security concepts allowing safe remote data**

- **Custom-specific developer-to-developer consultancy**

- **Equipment – Reliable Connectivity of Siemens and Modbus PLCs**

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Embedded OPC UA Server Gateways for Siemens and Modbus PLCs

Enabling OPC UA communication and cloud connectivity within a single plant, it enables access to the controllers of leading manufacturers and IoT devices. Additional functionality addresses connectivity problems and improves the communication between, OPC servers and OPC clients, independent of the use of OPC UA Classic: MODBUS CONNECTor and MODBUS CONNECTer disseminate the dataset of MODBUS clients.

OPC UA Gateways

- Product training
- Access to Modbus controllers, e.g., from Schneider Electric, uaGate MB
- Modbus TCP
- Direct symbol import from SIMATIC STEP 7 and TIA Portal
- Consultancy for pre-certification and certification support
- Connectivity for up to five Siemens and Modbus controllers
- Development of tailor-made OPC solutions

OPC UA and OPC Classic Servers, OPC Middleware

- dataFEED OPC Suite
- OPC UA Gateways
- 4.0. The integrated OPC UA server enables easy and secure data connectivity to higher-level management systems, such as MES or MES systems. The OPC UA gateways can operate, sustainable and at the same time, provide great flexibility in various ways.

OPC UA and OPC Classic SDKs

- Fast Development of OPC UA Applications
- Comprehensive library of ready-made functionality, making it easier to develop OPC UA applications.
- OPC UA Gateways for Siemens and Modbus PLCs
- OPC UA and OPC Classic servers, middleware products
- Product training
- Development of tailor-made OPC solutions

CONSULTING

- Free migration to upcoming dataFEED OPC UA SDK versions
- Complimentary how-to example applications, step by step
- Middleware products
- Tutorials, complex test and simulation clients and servers
- Consultancy for pre-certification and certification support
- OPC UA C++ for Developers

CONSULTING

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Fast Development of OPC UA Applications

• Easy configuration and fast integration of OPC UA or OPC Classic security capabilities in automation applications. The SDKs are built to support a comprehensive set of libraries featuring a simple and well-documented programming interface. Minimal runtime integration as well as test and simulation tools allow for a short time-to-market of OPC-enabled products.

Embedded OPC UA Server Gateways for Siemens and Modbus PLCs

• Full OPC UA Gateway for Siemens controllers and Modbus PLCs that can be required for Industry 4.0. The integrated OPC UA server enables easy and secure data connections to higher-level management systems, such as MES and MES systems. The OPC UA gateway is compatible, sustainable and at the same time provides many new opportunities.

OPC UA and OPC Classic Servers, OPC Middleware

• In-All-One Software Solution for OPC Communication

– OPC UA and MQTT Connectivity for Siemens SCADA systems
– OPC UA and MQTT Connectivity for Siemens Siemens PLC
– OPC UA and MQTT Communication for Siemens SIMATIC TIA-PORTAL
– OPC UA and MQTT Communication for Siemens SIMATIC S7 Systems
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• Secure and Flexible OPC UA-based IT/OT Integration Solutions

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• Data Aggregation

– Collection of data from multiple sources in a server environment
– Centralized collection of data from multiple sources in a server environment
– Integration of data from multiple sources in a server environment
– Centralized collection of data from multiple sources in a server environment
– Integration of data from multiple sources in a server environment

• Easier integration of OPC UA with existing systems

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• Improved security and flexibility

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• Comprehensive Scope of Delivery for Easy and Fast Development

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• Edge Gateway – Reliable Connectivity of Sources and Services

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• OPC UA Gateways

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• Product-Related Services

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• OPC UA and OPC Classic SDKs

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Fast Development of OPC UA Applications

Solutions and services for the fast integration of OPC UA and OPC Classic connectivity capabilities into automation applications. The SDKs are built on a comprehensive set of libraries featuring a simple and well-documented programming interface. Readout configuration as well as test and innovation tools allow for a short time-to-market of OPC-enabled products.

Embedded OPC-UA Server Gateways for Siemens and Modbus PLCs

Selling OPC-UA gateway allows for seamless connection of automation systems and cloud connectivity within a single product, enabling access to the controllers of leading manufacturers and IT services. Additional functionality eliminates the need for products between IT, OPC servers, and OPC clients.

OPC UA and OPC Classic Servers, OPC Middleware

All-in-One Software Solution for OPC Communication

Selling OPC-UA-Server offers a full package of connected devices, data connectivity and cloud connectivity within a single product, enabling access to the controllers of leading manufacturers and IT services. Additional functionality eliminates the need for products between IT, OPC servers, and OPC clients.

dataFEED Secure Integration Server

Secure and Flexible OPC UA-based IT/OT Integration Solution

Standalone client integrate server offers a secure data integration layer for self applications aggregating production and machine data. It applies access to secure data through secured sensor and internet. Every access path is explicitly defined and continuously monitored against the IT/OT production system while, at the same time, benefiting from significantly reduced costs for integration and configuration.

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dataFEED Secure Integration Server

Secure and Flexible OPC UA-based IT/OT Integration Solution

Standalone client integrate server offers a secure data integration layer for self applications aggregating production and machine data. It applies access to secure data through secured sensor and internet. Every access path is explicitly defined and continuously monitored against the IT/OT production system while, at the same time, benefiting from significantly reduced costs for integration and configuration.

OPC UA Gateways

Fast Development of OPC UA Applications

Solutions and services for the fast integration of OPC UA and OPC Classic connectivity capabilities into automation applications. The SDKs are built on a comprehensive set of libraries featuring a simple and well-documented programming interface. Readout configuration as well as test and innovation tools allow for a short time-to-market of OPC-enabled products.

Embedded OPC-UA Server Gateways for Siemens and Modbus PLCs

Selling OPC-UA gateway allows for seamless connection of automation systems and cloud connectivity within a single product, enabling access to the controllers of leading manufacturers and IT services. Additional functionality eliminates the need for products between IT, OPC servers, and OPC clients.

OPC UA and OPC Classic Servers, OPC Middleware

All-in-One Software Solution for OPC Communication

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With more than 20 years of experience in OPC technology and a close working relationship with the OPC Foundation, Softing is the ideal partner for all OPC topics. Softing develops and markets a broad range of development tools and consumer products, including gateways for innovative and secure IoT architectures. This makes it possible to realize state-of-the-art solutions for OPC-based data exchange, optimally tailored to individual requirements, both in brownfield applications and new systems. All Softing products support the state-of-the-art OPC UA technology. Thus, the implemented applications benefit directly from its advantages. The product range is supplemented by appropriate training and development services.

OPC is the world’s leading interoperability standard for secure and reliable data exchange in industrial automation and other applications. It ensures the seamless flow of information between devices and software applications of different manufacturers. The current OPC UA (Unified Architecture) standard is platform-independent, leveraging advanced security and data modeling technologies to deliver future-proof, scalable and extensible solutions. Companion Specifications further simplify the use of OPC UA for the end user.