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By leveraging the company’s technological know-how and in-depth understanding of automation needs, Softing’s dataFEED products reliably bridge between OT and IT offering an easy-to-establish integration of production data into higher level systems, either on-premises or via the cloud.

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Cloud computing is about storing, accessing, and processing data over the internet. Users of cloud computing can reduce their investment in locally installed server technology and related administration. The consumption of computing power can easily be scaled up or down according to the actual demand. Cloud services are accessible from everywhere at any time.

Internet of Things (IoT) and Industrie 4.0 drive the propagation of cloud computing in industrial automation through the convergence of operational technologies (OT) and information technologies (IT). While the potential benefits are big, cloud computing implicates specific requirements to ensure a reliable and secure data exchange essential for the integrated production of networked systems across different sites.

Softing’s dataFEED products reliably connect industrial automation networks with applications running in public or private clouds to optimize communication and data systems. Features for data stream optimization, buffering and filtering are included. Data can be collected from PCs as well as from other assets via OPC UA and OPC Classic.

Softing’s dataFEED product range tailors to both philosophies: An open implementation based on a PC-installed, multi-functional software respectively an in-field solution utilizing dedicated hardware.

PC-based software or in-field hardware for integrating industrial networks in IoT and Industrie 4.0 applications

Software-based Solution: dataFEED OPC Suite
- Connectivity platforms for on-premise and in the cloud applications
- Direct access to PLCs of leading manufacturers
- Data stream optimization and filtering
- Easy, wizard-based configuration
- Support of OPC UA, MQTT and REST client applications

Hardware-based Solution: uaGate SI
- Connectivity to Siemens controllers for on-premise and in the cloud applications
- No interference through operating system updates or other PC maintenance
- Additional security through physical separation of OT and IT networks
- Easy configuration via web interface
- Support of OPC UA and MQTT client applications

Security
dataFEED OPC Suite as well as uaGate SI support security standards such as SSL/TLS protocols and X.509 certificates.

Ease-of-Use
By guiding the user through every step, installation and configuration is quickly done and easy. With dataFEED OPC Suite this is achieved by a software wizard, while uaGate SI utilizes a web-based user interface.

Start Small, Scale Fast
dataFEED solutions provide connectivity to integrate field data with higher level applications on-premise and in the cloud at the same time. Users can start with small IoT and Industrie 4.0 projects. By migrating further applications, dataFEED solutions can be scaled up to the required level of integration as needed.

Reliable Technology
The design and functionality of dataFEED solutions leverage decades of experience with developing digital communication solutions for industrial environments.

Excellent Service and Support
Users of dataFEED products benefit from support via telephone and e-mail – a service confirmed by Softing customers to be at a superior level.
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Software-based Solution: dataFEED OPC Suite
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- Data stream optimization and filtering
- Easy, wizard-based configuration
- Support of OPC UA, MQTT and REST client applications

Hardware-based Solution: uaGate SI
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