



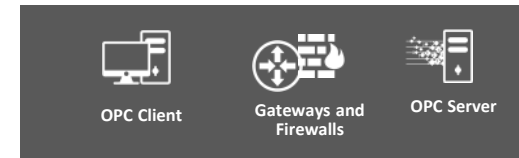
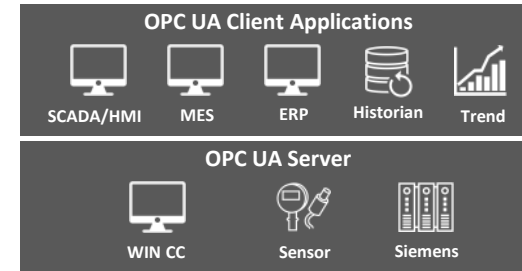
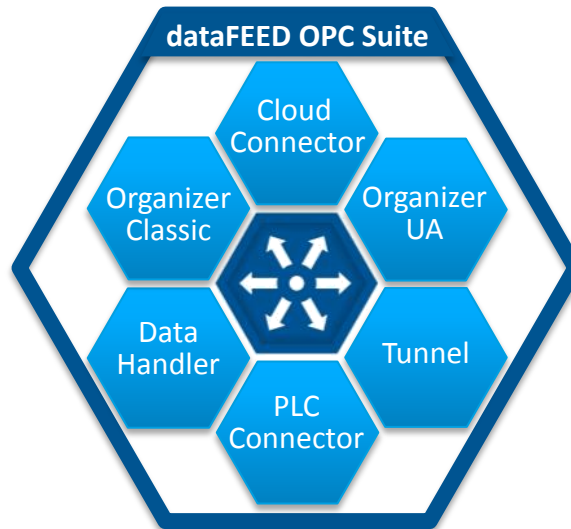
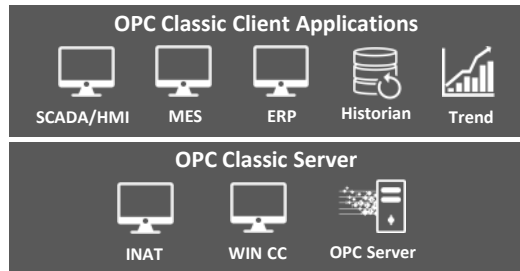
dataFEED OPC Suite

The “All-in-one” Data Integration Solution

Industrial

Haar, 20.09.2017

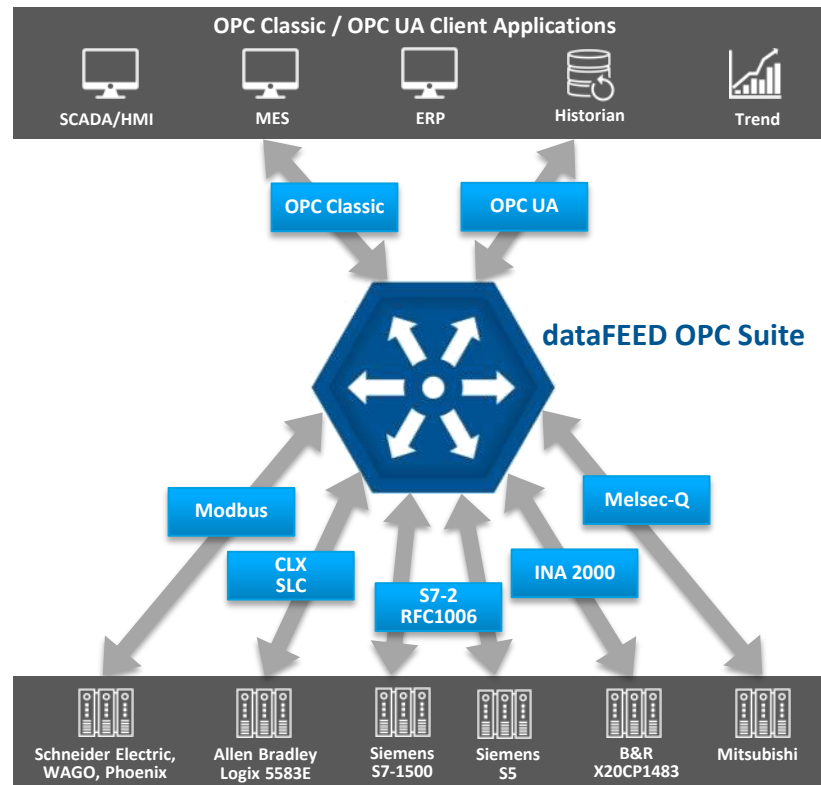
The “All-in-one” Data Integration Solution



Scope of Functionality – OPC/OPC UA Server

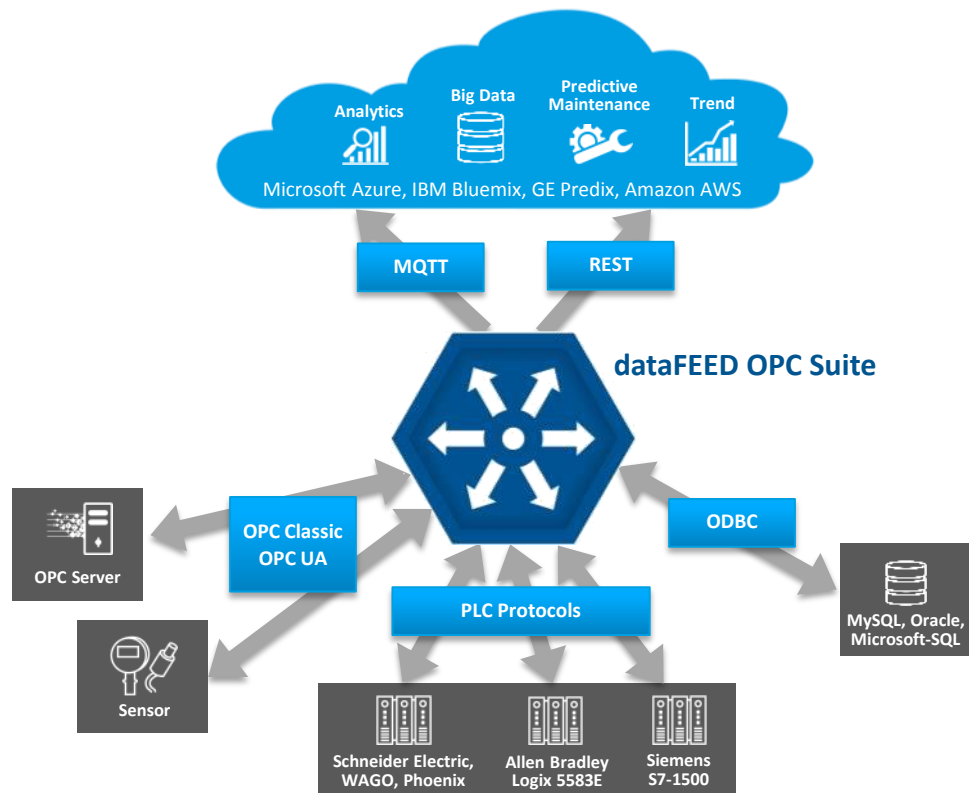
CONNECTING CONTROLLERS TO OPC AND OPC UA APPLICATIONS

- Fast and easy integration of process values into IT systems
- Support of controllers from leading companies like Siemens, B&R, Allen Bradley, Schneider Electric, WAGO and Mitsubishi
- Simple configuration of the OPC Address Space by “browsing” the controllers (Allen Bradley, B&R, Siemens S7-1200 and S7-1500)
- Easy-to-use OPC Server configuration in just 3 clicks
- Configuration of OPC Address Space e.g. by importing symbolic names from Siemens TIA Portal, STEP 7 projects for Siemens controllers and from Codesys (Wago) projects for Modbus controllers
- Optional OPC UA support providing investment protection



CONNECTING CONTROLLERS AND OPC/OPC UA SERVERS TO IoT CLOUD APPLICATIONS

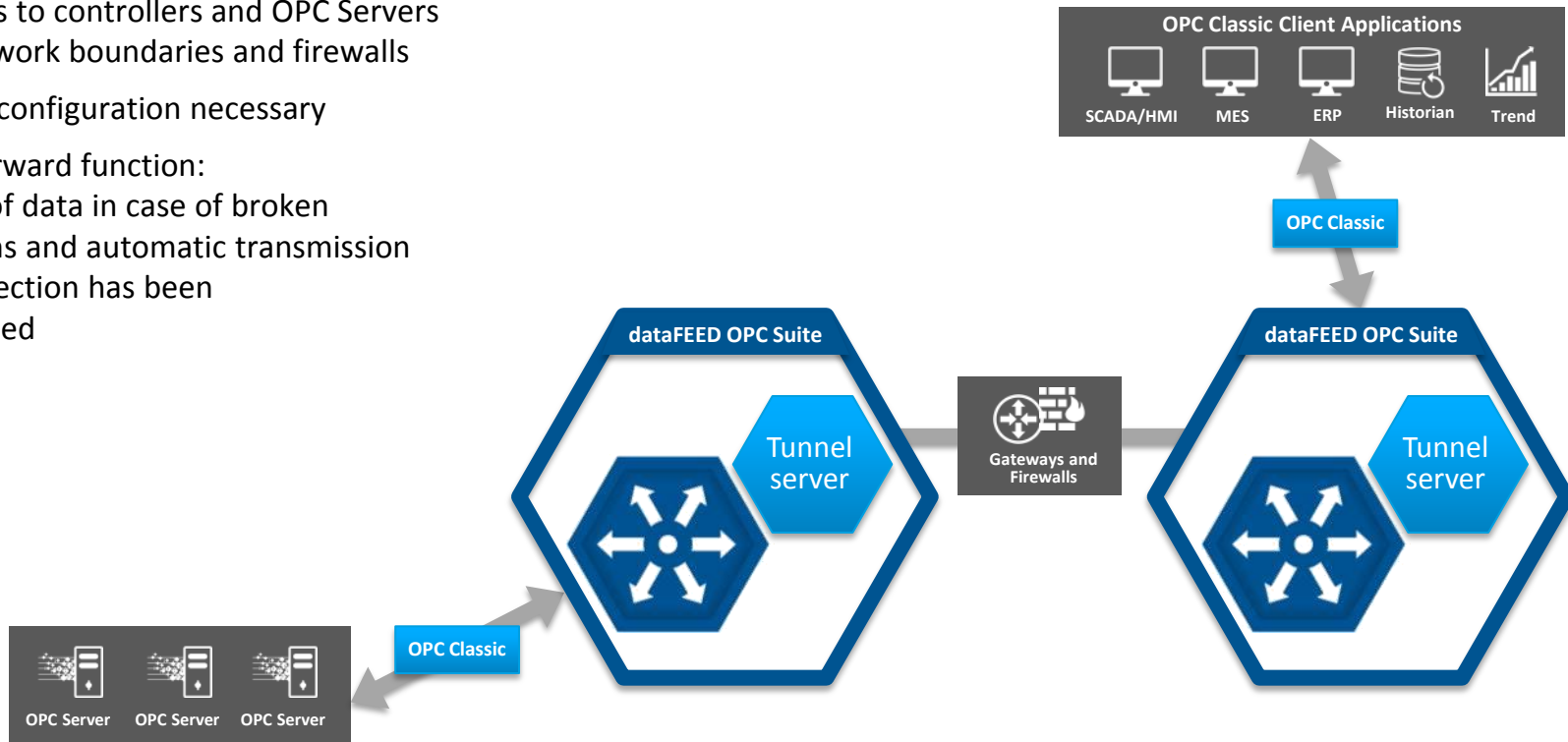
- Simple integration of controllers and OPC/OPC UA systems with IoT cloud solutions for implementing Industrie 4.0
- Support of leading IoT protocols: MQTT and REST
- Time savings through effective and efficient configuration of distributed automation systems comprising a large number of different protocols
- Automatic data type conversion between OPC Classic/OPC UA and MQTT/REST



Scope of Functionality – OPC Tunnel

THANKS TO OPC TUNNEL – NO MORE DCOM HEADACHES

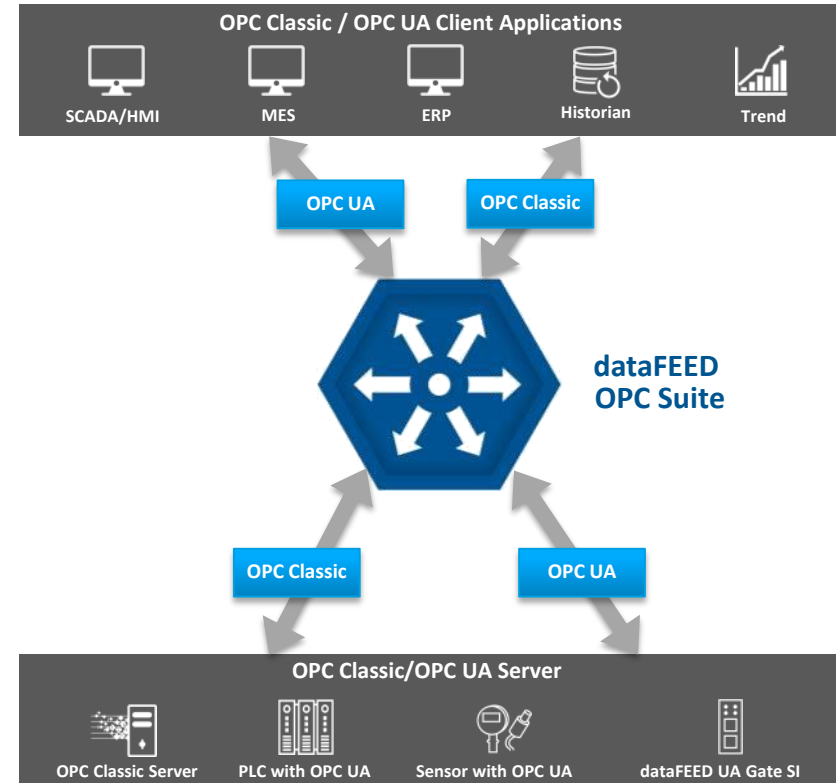
- Easy access to controllers and OPC Servers across network boundaries and firewalls
- No DCOM configuration necessary
- Store & forward function:
Buffering of data in case of broken connections and automatic transmission once connection has been reestablished



Scope of Functionality – OPC/OPC UA Gateway

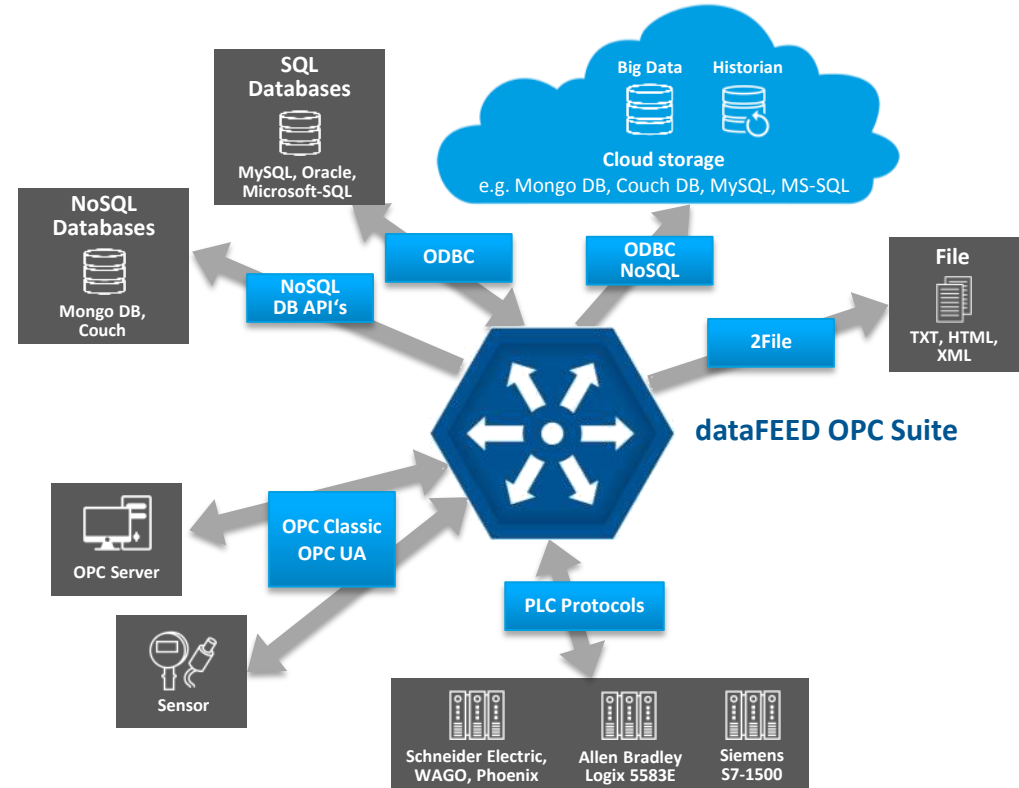
CONNECTING OPC UA COMPONENTS TO OPC CLASSIC APPLICATIONS

- Gateway functionality between OPC Clients and OPC Servers using different OPC standards (OPC DA V1,2,3 or XML) or technologies (OPC Classic – OPC UA)
- Cost savings through continued use of existing OPC Classic components
- Possibility to use all individual security mechanisms defined by the OPC UA standard, e.g. exchange of certificates
- Concentrator functionality for reduction and unification of data points from multiple OPC UA and OPC Classic components



ARCHIVING OF PROCESS DATA

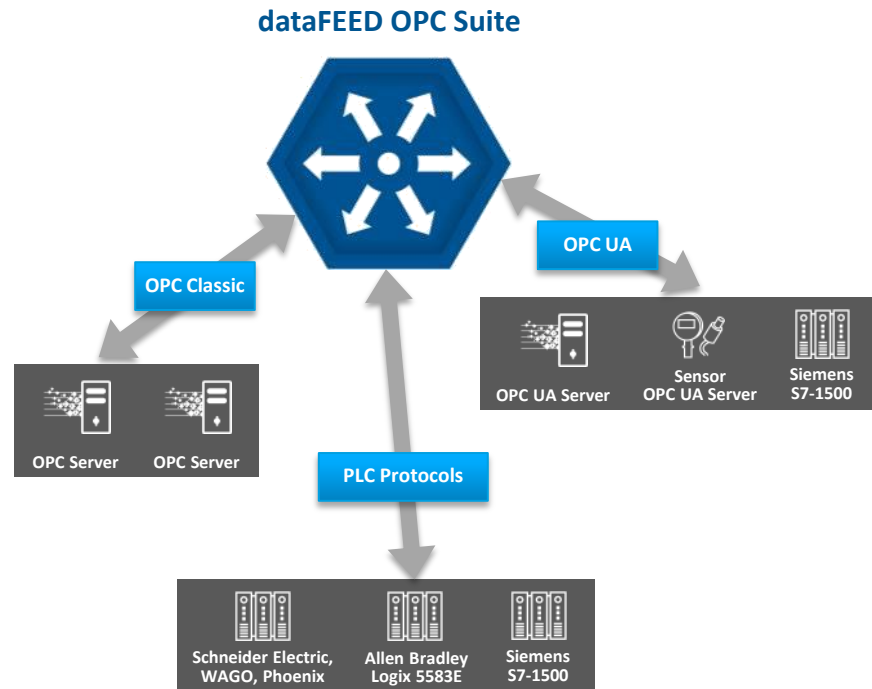
- Process data logging for documenting, analyzing or verifying data
- Fast and easy setup of database connection without programming
- Recipe manager functionality for writing process data from an SQL database to the controller
- Buffering of data in case of broken connections and automatic forwarding once connection with SQL databases has been reestablished
- Storage of process data in Big Data cloud storage solutions
- Logging in file including support of various data formats (ASCII, HTML or XML)



Scope of Functionality – Exchange

DIRECT DATA EXCHANGE BETWEEN PLCs AND/OR OPC SERVERS

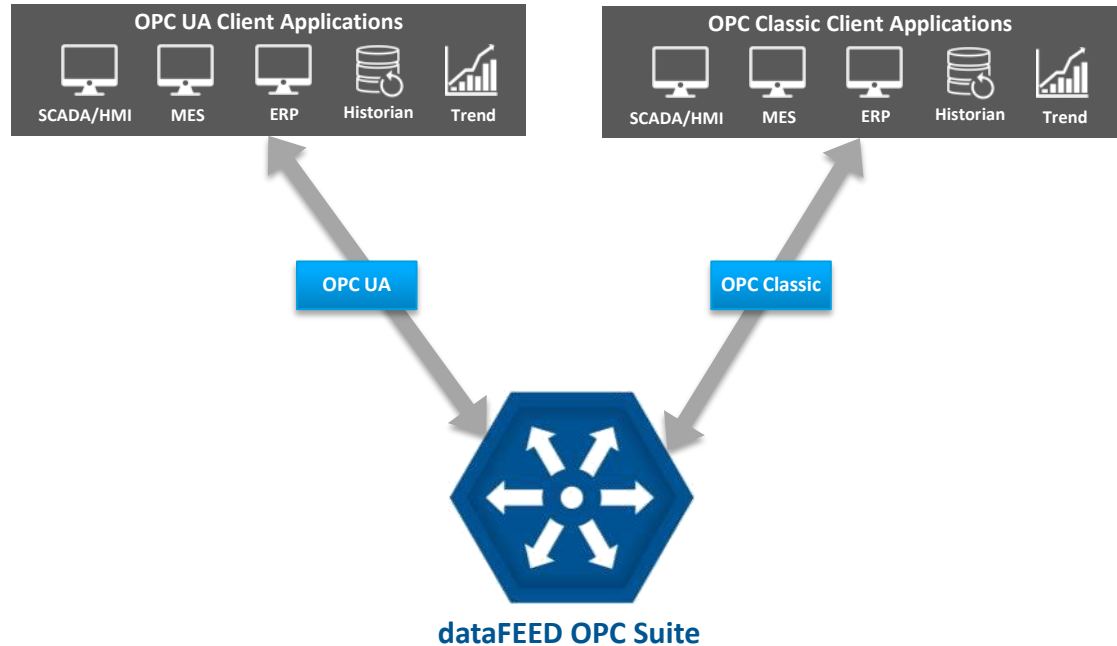
- Easy-to-use application for data exchange between different automation worlds (e.g. between Siemens and Rockwell controllers)
- Data transfer between OPC Servers using different OPC standards: Classic and Unified Architecture (UA)
- Cost savings by eliminating the need for expensive gateways and complex OPC Clients
- No changes to control program required



Client 2 Client Setting

DATA TRANSMISSION BETWEEN OPC AND/OR OPC UA CLIENTS

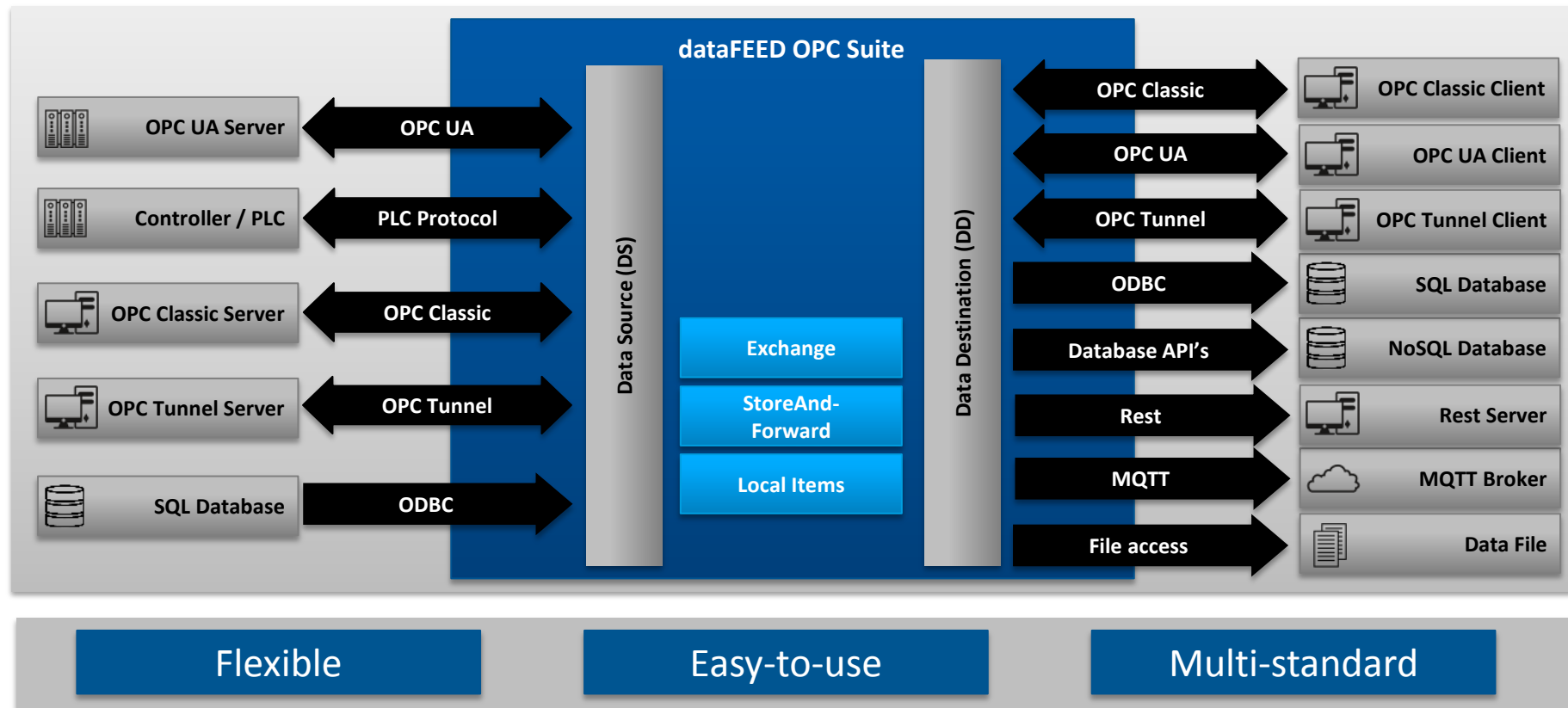
- Data exchange between control and visualization systems, even between different OPC standards
- Ideal for testing OPC and OPC UA Client applications
- Intelligent data storage



Product Matrix

Order No.	Product	Basic Functionality				SPS Protocols					Advanced Functionality										
		OPC Classic (DA&XML) Server & Client	Concentrator	Optimizer	Filter	Siemens (S5,S7, NETlink, Send & Receive)	Rockwell (CLX, PLC-5, SLC500)	B&R (INA2000)	Modbus TCP	Mitsubishi (Melsec-Q)	OPC UA Server & Client	OPC Tunnel	Rest Client	MQTT Publisher	Exchange (SPS2SPS, OPC2OPC)	Local Items (Client2Client, Client2IoT)	NoSQL Databases/Storage	SQL Databases	2File	Server Extension (50)	Server Extension (51-100)
LRL-DY-134101	dataFEED Suite OPC Organizer Classic	✓	✓	✓	✓																
LRL-DY-132101	dataFEED Suite OPC Server Siemens	✓	✓	✓	✓	✓															
LRL-DY-132301	dataFEED Suite OPC Server Rockwell	✓	✓	✓	✓		✓														
LRL-DY-132901	dataFEED Suite OPC Server B&R	✓	✓	✓	✓			✓													
LRL-DY-132401	dataFEED Suite OPC Server Modbus	✓	✓	✓	✓				✓												
LRL-DY-132601	dataFEED Suite OPC Server Mitsubishi	✓	✓	✓	✓					✓											
LRL-DY-134201	dataFEED Suite OPC Organizer UA	✓	✓	✓	✓						✓										
LRL-DY-134001	dataFEED Suite OPC Tunnel	✓	✓	✓	✓							✓									
LRL-DY-134801	dataFEED Suite Rest Connector	✓	✓	✓	✓								✓								
LRL-DY-134701	dataFEED Suite MQTT Connector	✓	✓	✓	✓									✓	✓						
LRL-DY-134301	dataFEED Suite Data Handler	✓	✓	✓	✓										✓	✓	✓	✓	✓		
LRL-DY-134401	dataFEED Suite Server Extension 50																			✓	
LRL-DY-134601	dataFEED Suite Server Extension 100																				✓
LRL-DY-134501	dataFEED Suite	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

The “All-in-one” Data Integration Solution



Thank you very much for your attention!

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