



Plantweb Optics Data Lake

System Connectivity List

This table contains a list of all 125+ systems that Plantweb Optics Data Lake is able to connect to. These systems have all been successfully connected to, in either production or test environments. This list will be updated when connectivity to new systems is established or new information about existing system connectivity is discovered.

Vendor	System	System Type	Protocol	Version	Notes / Limitations
ABB	800xA	DCS	OPC A&E		ABB.HsOPCAEServer.1
ABB	800xA	DCS	OPC DA		ABB.Shadow.OPCServer
ABB	800xA Asset Optimization	Asset Monitoring	OPC DA	5.1100.5947	ABB.AfwOpcDaSurrogate.1
ABB	800xA Asset Optimization	Asset Monitoring	OPC DA	5.1100.6386	ABB.AfwOpcDaSurrogate.1
ABB	800xA Asset Optimization	Asset Monitoring	OPC DA	5.300.4206	ABB.AfwOpcDaServer.1
ABB	800xA Asset Optimization	Asset Monitoring	OPC DA	5.300.4206	ABB.AfwOpcDaSurrogate.1
ABB	800xA Core Alarm & Event Server		OPC A&E	5.0.0	ABB.OPCEventServer.1
ABB	800xA for Advant Master	DCS	OPC A&E	5.300.10520	ABB.AdvMbAe.OPCEventServer.1
ABB	800xA History Server (in-proc server)	Process Historian	OPC HDA	1.1.1	ABB.AdvHtHistoryHdr.1
ABB	800xA History Server (out-of-proc server)	Process Historian	OPC HDA	1.1.1	ABB.AdvHtHistorySrv.1
ABB	800xA Soft Alarm Server	DCS	OPC A&E	5.0.0	ABB.AdvAeSoftAlarmOPCServer.1
ABB	800xA System Message Server	DCS	OPC A&E	5.0.0	ABB.SystemMessageOPCServer.1
ABB	ABB FOUNDATION Fieldbus	FOUNDATION Fieldbus	OPC DA		ABB.Fieldbus.OPCServer.DA
ABB	800xA	DCS	OPC A&E	1.60.8819	ABB.AdsAeHdr.1
ABB	Freelance	DCS	OPC DA		Freelance2000OPCServer.1
ABB	IM Archive AE Server	Process Historian	OPC A&E	1.1.1	ArchiveService.OPCEventServer.1

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Aspen Technology, Inc.	Aspen Production Record Manager (APRM)	Batch Record System	AspenTech SQLplus		Formerly Batch.21
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	11.2.801	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	12.7.316	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	12.8.5513	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	12.8.5611	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	14.1.213	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	15.0.126	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	15.1.135	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	15.1.48	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	16.0.256	Aspen.Infoplus21_DA.1
Aspen Technology, Inc.	InfoPlus.21	Process Historian	OPC DA	16.0.404	Aspen.Infoplus21_DA.1
Bently Nevada	System 1	Asset Monitoring	OPC DA		Bently.Sys1OPCServer.1
Bruel & Kjaer		Asset Monitoring	OPC UA		
CoDeSys	Control Runtime Toolkit	Automation Platform	OPC A&E		
CoDeSys	Control Runtime Toolkit	Automation Platform	OPC DA		CoDeSys.OPC.DA
Crestron	CP3	Control System	TCP/IP		
Emerson Electric Co.	DeltaV	DCS	OPC A&E	11.3.4331	DeltaV.OPCEventServer.1
Emerson Electric Co.	DeltaV	DCS	OPC A&E	13.3.5823	DeltaV.OPCEventServer.1

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Emerson Electric Co.	DeltaV	DCS	OPC A&E	13.3.6300	DeltaV.OPCEventServer.1
Emerson Electric Co.	DeltaV	DCS	OPC A&E	13.3.6317	DeltaV.OPCEventServer.1
Emerson Electric Co.	DeltaV	DCS	OPC A&E	13.3.6330	DeltaV.OPCEventServer.1
Emerson Electric Co.	DeltaV	DCS	OPC DA		DeltaV.DVSYSSvr.1
Emerson Electric Co.	DeltaV	DCS	OPC HDA		DeltaV.OPCHDAsvr.1
Emerson Electric Co.	DeltaV	DCS	OPC DA		DELTA.V.SisOpcSvr.1
Emerson Electric Co.	DeltaV	DCS	OPC DA		OPC.DeltaV.1
GE Bently Nevada	System 1	Asset Monitoring	OPC DA	1.0.0	Bently.Sys1EnterpriseOPCServer.1.1_DA
GE Bently Nevada	System 1	Asset Monitoring	OPC DA	9.0.0	GE.BentlyNevada.Sys1OPCServer.1
GE Fanuc	Proficy iFIX	HMI	OPC DA	1.1.1	Intellution.OPCiFIX.1
GE Fanuc	Proficy iFIX	HMI	OPC DA		Intellution.iFixOPCClient
GE Fanuc	Proficy iFIX	HMI	OPC DA		Intellution.OPCEDA.3
HIMA	Smart Safety Platform	Safety System	OPC A&E		HIMA.AlarmEventServer
HIMA	Smart Safety Platform	Safety System	OPC DA		HIMA.ModbusOPCServer
Honeywell International	Experion PKS	DCS	OPC DA + A&E		Hci.TPNServer
Honeywell International	Experion PKS	DCS	OPC DA + A&E + HDA		Honeywell
Honeywell International	Experion PKS	DCS	OPC DA		Hci.spsdss
Honeywell International	Experion PKS	DCS	OPC DA + A&E		HWHsc.OPCServer
Honeywell International	Experion PKS	DCS	OPC A&E		Hci.SysEvtSvr
Honeywell International	MatrikonOPC Desktop Historian (ODH)	Process Historian	OPC DA + A&E + HDA		Matrikon.OPC.DesktopHistorian.1
Honeywell International	MatrikonOPC Funnel	OPC Connectivity	OPC DA + A&E + HDA		Matrikon.OPC.OPCFunnel.1
Honeywell International	MatrikonOPC Redundancy Broker (ORB)	OPC Connectivity	OPC DA + A&E + HDA		ORB

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Honeywell International	MatrikonOPC Server for IP.21	OPC Connectivity	OPC DA + A&E + HDA		Matrikon.OPC.IP21.1
Honeywell International	MatrikonOPC Simulation	OPC Connectivity	OPC DA + A&E + HDA	1.5.0	Matrikon.OPC.Simulation.1
Honeywell International	MatrikonOPC Sniffer	OPC Connectivity	OPC DA + HDA		Matrikon.OPC.Sniffer.1
Honeywell International	Operational Insight	OPC Connectivity	OPC DA		Matrikon.OPC.NetCalc
Honeywell International	Proficy iFIX	HMI	OPC A&E		Proficy.OPCiFIXAE.1
Honeywell International	Uniformance PHD	Process Historian	OPC DA	321.1.0	OPC.PHDServerDA.1
Honeywell International	Uniformance PHD	Process Historian	OPC HDA	321.1.0	OPC.PHDServerHDA.1
Honeywell International	Uniformance PHD	Process Historian	PHD .NET wrapper		
IBM	Watson	Cloud	MQTT		as Publisher
ifm electronic	efector octavis	Asset Monitoring	OPC A&E		ifm.OPC.OPCServer.AE.1
Microsoft Corporation	Azure Event Hub	Cloud	Kafka		as Event Producer / Event Publisher
Microsoft Corporation	Azure IoT Hub	Cloud	MQTT		as Publisher
Microsoft Corporation	SQL Server	RDBMS	ODBC	2019 / 15.0	
Microsoft Corporation	Time Series Insight	Cloud	MQTT		IoT Hub
Microsoft Corporation	Time Series Insight	Cloud	Kafka		Event Hub
MongoDB Inc.	MongoDB	Document Database	mongodb driver		
MongoDB Inc.	MongoDB	Document Database	mongodb driver		
National Instruments	LabVIEW	HMI	OPC DA		National Instruments.Variable Engine.1
Omron	Omron PLC	PLC	OPC UA		via. Kepware OPC
OPC Foundation	OPC Classic Client Analyzer	OPC Connectivity	OPC DA		OpcTestLab.OpcAnalyzer.1
Oracle Corporation	Oracle Database	RDBMS	ODBC	12c	
OSISoft	PI System	Process Historian	OPC DA + HDA	1.2.7	OSI.DA.1
OSISoft	PI System	Process Historian	OPC DA + HDA	1.2.7	OSI.HDA.1

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OSISoft	PI System	Process Historian	OPC DA	2.0.0	OSISoft.OPCDA2.DA.1
OSISoft	PI System	Process Historian	OPC DA	2.2.0	OSISoft.OPCDA2.DA.1
OSISoft	PI System	Process Historian	OPC DA + HDA	2.3.0	OSI.DA.1
OSISoft	PI System	Batch Record System	PI AF / PI SDK		via. inmation PIBridge
OSISoft	PI System	Process Historian	PI AF / PI SDK		
ProSCADA	OPC Server for PCS 7	OPC Connectivity	OPC DA		ProScada.SiemensIE.7.9.52.0
Raspberry Pi Foundation	Raspberry Pi	IoT	OPC UA		via. Codesys Control Runtime Toolkit
Rockwell Automation	Allen-Bradley Logix 5000	PLC	EtherNet/IP		
SAP	S/4HANA	ERP	HTTP		IDOC over HTTP bidirectional
Schneider Electric	ClearScada	SCADA	OPC DA		
Schneider Electric	Wonderware Historian	Process Historian	OPC DA		AVEVA
Schneider Electric	Wonderware Historian	Process Historian	ODBC		AVEVA
Semtech	LoRaWAN	IoT Network	MQTT		
Siemens	SIMATIC NET	OPC Connectivity	OPC DA		OPC.SimaticNET
Siemens	SIMATIC NET	OPC Connectivity	OPC DA		OPC.SimaticNET.DP.1
Siemens	SIMATIC NET	OPC Connectivity	OPC DA		OPC.SimaticNET.PD
Siemens	SIMATIC PCS 7	DCS	OPC A&E	3.9.10101	PCS7.OPCAEServer.1
Siemens	SIMATIC PCS 7	DCS	OPC DA	3.9.10101	PCS7.OPCDA Server.1
Siemens	SIMATIC PCS 7	DCS	OPC DA	3.9.10101	PCS7.OPCDA Server.1
Siemens	SIMATIC PCS 7	DCS	OPC A&E	3.9.10201	PCS7.OPCAEServer.1
Siemens	SIMATIC PCS 7	DCS	OPC DA	3.9.10201	PCS7.OPCDA Server.1
Siemens	SIMATIC PCS 7	DCS	OPC A&E	3.9.10202	PCS7.OPCAEServer.1
Siemens	SIMATIC PCS 7	DCS	OPC A&E	3.9.11101	PCS7.OPCAEServer.1
Siemens	SIMATIC PCS 7	DCS	OPC A&E	3.9.11301	PCS7.OPCAEServer.1
Siemens	SIMATIC PCS 7	DCS	OPC HDA		PCS7.OPCHDA Server.1
Siemens	SIMATIC S7	PLC	Siemens S7-TCP/IP TIA	S7	
Siemens	SIMATIC S7	PLC	Siemens S7-TCP/IP	S7-1200/1500	

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Siemens	SIMATIC S7	PLC	Siemens S7-TCP/IP	S7-300/400	
Siemens	SIMATIC WinCC	SCADA + HMI	OPC DA		OPCServer.WinCC.1
Siemens	SIMATIC WinCC	SCADA + HMI	OPC HDA		OPCServerHDA.WinCC.1
Siemens	SINUMERIK 840D sl	CNC Machine	OPC UA		
Softing	dataFEED	OPC Connectivity	OPC A&E		Softing.OPC.DF.Configuration1.AE.1
Softing	dataFEED	OPC Connectivity	OPC DA		Softing.OPC.DF.Configuration1.DA.1
Softing	OPC Development Toolkit	OPC Connectivity	OPC A&E		Softing.OPCToolboxDemo_ServerAE.1
Softing	OPC Development Toolkit	OPC Connectivity	OPC DA		Softing.OPCToolboxDemo_ServerDA.1
Thorsis Technologies	Pro DP/PA Link DTM	OPC Connectivity	OPC DA	0.1.0	FDTtoOPC.DA_Server
Unified Automation	UaExpert	OPC Connectivity	OPC DA		OPC.Expert.Classic.Server
Wago	WAGO I/O System 750	PLC	OPC UA		IoT Edge Gateway
Werum IT Solutions	PAS-X	MES	MSI	1.3	via DCS BF
Werum IT Solutions	PAS-X	MES	MSI	2	via DCS BF
Werum IT Solutions	PAS-X	MES	MSI	3.1	experimental