
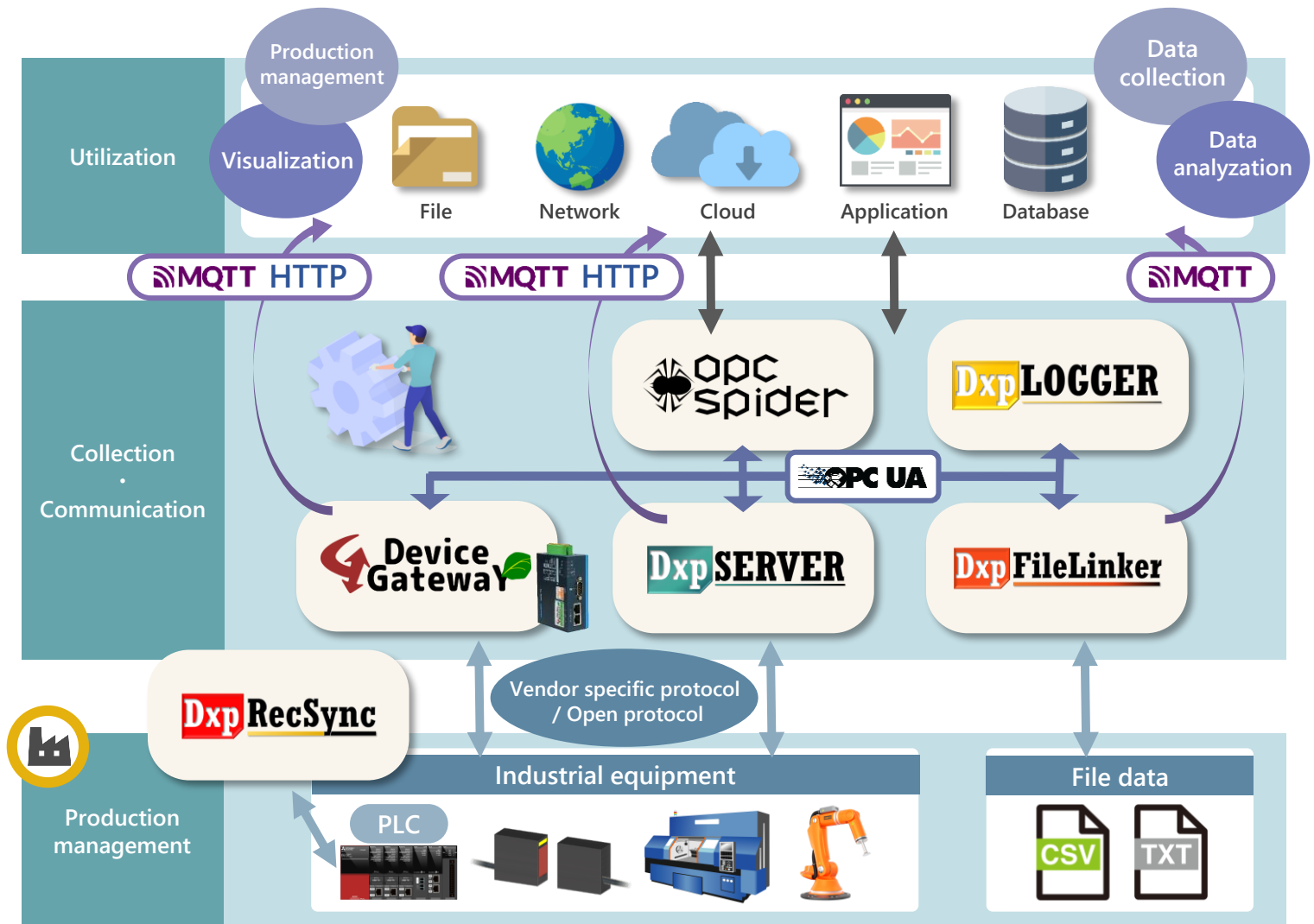


T A K E B I S H I
P R O D U C T S 

Industrial Automation & IoT communication

Takebishi Products Lineup



P.8-9

Industrial communication platform

DxpSERVER

- Software for connecting control device data with IT systems.
- Can communicate with more than 400 series / 100 vendor control devices in production sites.
- No.1 share in Japan. Installed in various industries all over the world. OPC Foundation Certified.

P.10-11

Data Access Unit for IoT

Device Gateway

- A unit which bridges the data from production equipment to IoT Service.
- Supports OPC UA and MQTT. Can communicate with various IoT services.
- Access more than 320 series of control device in production site.

P.12

OPC supported data logging software

DxpLOGGER

- Software which collects data and monitors the status of production equipment.
- Provides a range of functions such as alarm monitoring, reporting and data collection at speeds of up to 50 msec.
- Monitors the status of equipment with Graphs and Real-time viewing.

P.13

Data linkage software

OPC Spider

- Software which integrates data between production sites and IT systems without the use of coding.
- Easy to configure, which saves time on creating maintenance specifications.
- Has extensive connectivity, including OPC UA, with a wide range of adapters for direct connection to the system.

P.14

PLC communication plug-in for AXIS cameras

DxpRecSync

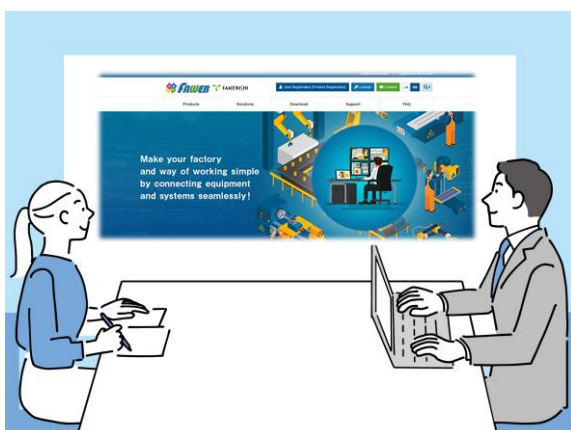
- Software solution that records anomalous events on equipment in production sites.
- When DxpRecSync detects fault signals in the PLC, it records the time before and after the anomaly event occurred.
- Supports improved operation rates by helping to find the causes of anomaly events in production equipment.

P.15

IoT supported File linkage software

DxpFileLinker

- Software which acts as a bridge between text files such as CSV files and IoT services.
- Allows for utilization of log data and other files for equipment without external communication capability.
- Communicates with various IoT services via OPC UA and MQTT.



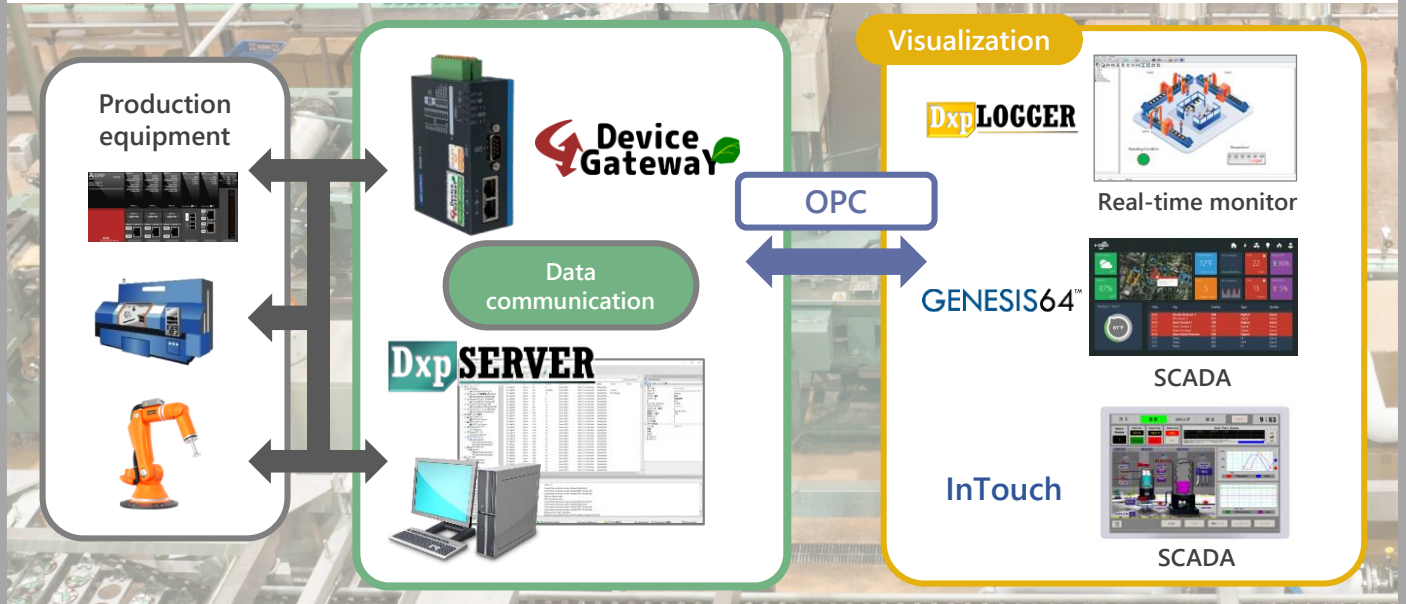
For detailed information about our products, please check out our website!

<https://www.faweb.net/en/>

Where to use Takebishi products



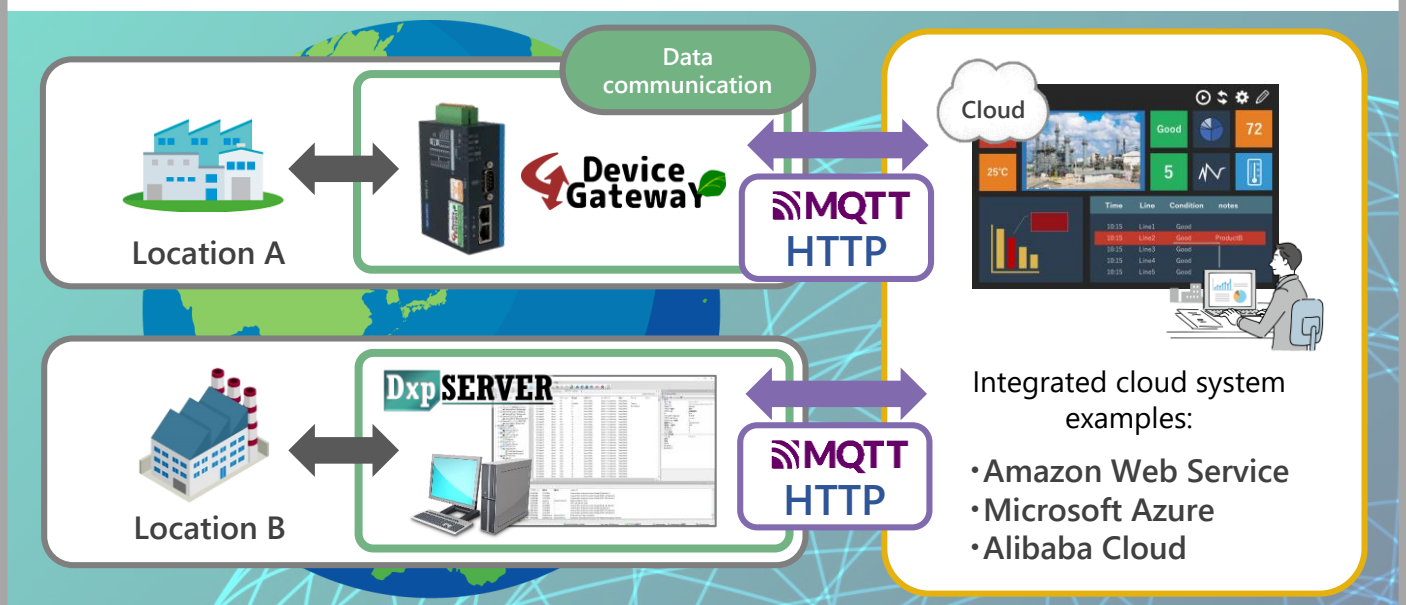
There are several vendor devices in the production site.
We cannot manage the operating status...



Every device can now be unified with industry standard
OPC Communication, which enables connection to on-premise IT systems!



We want to manage the operational status of various production sites
via the cloud...



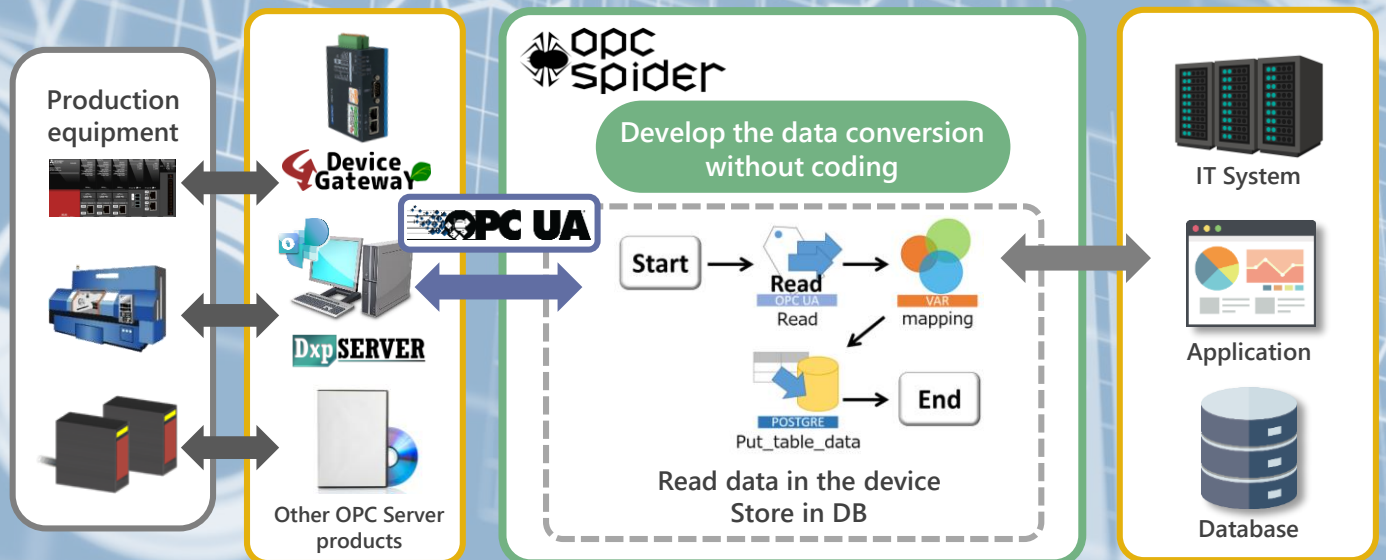
By converting machine data to MQTT or HTTP,
data integration is possible for various cloud services!



? Are you looking for a solution?



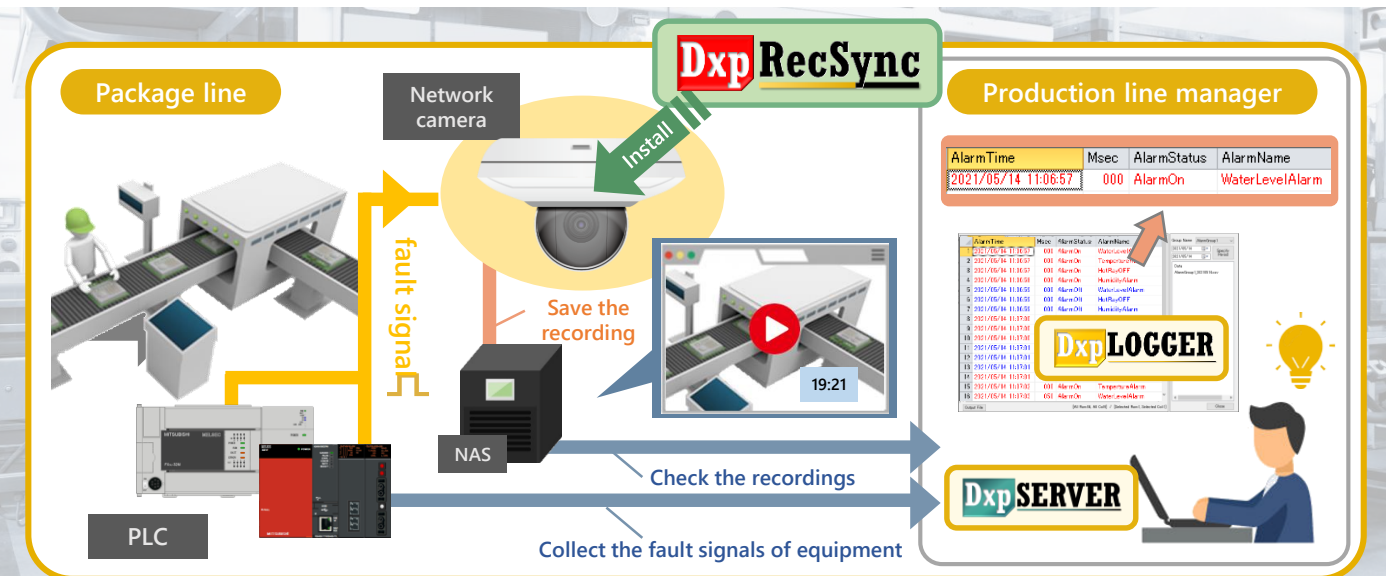
Only technical experts can develop and maintain the system for linking production equipment and IT systems...



Anyone can develop and maintain the system just by dragging and dropping the icons!



When anomaly events occur, the cause cannot be specified in unattended facilities...

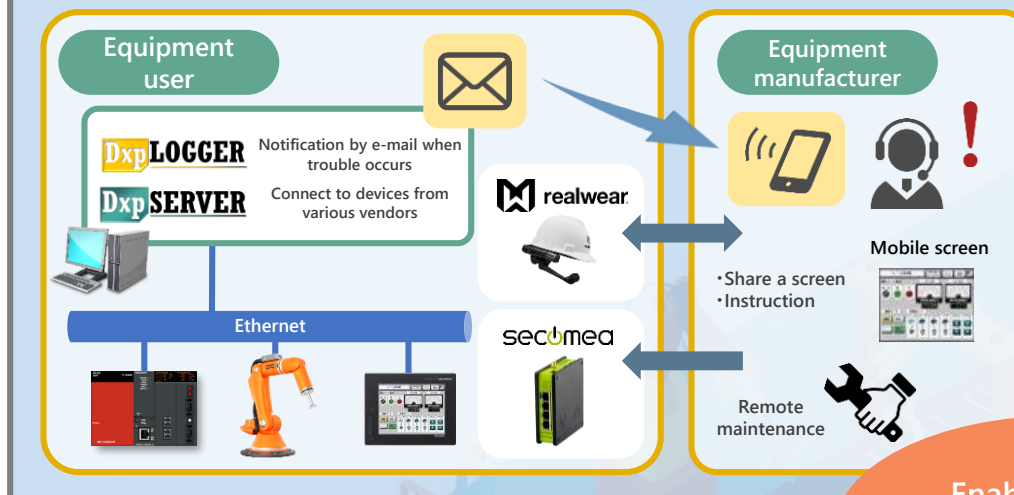


Link the PLC and camera and check the recordings when anomalous event occurs. Finding the cause of anomalies is easy!

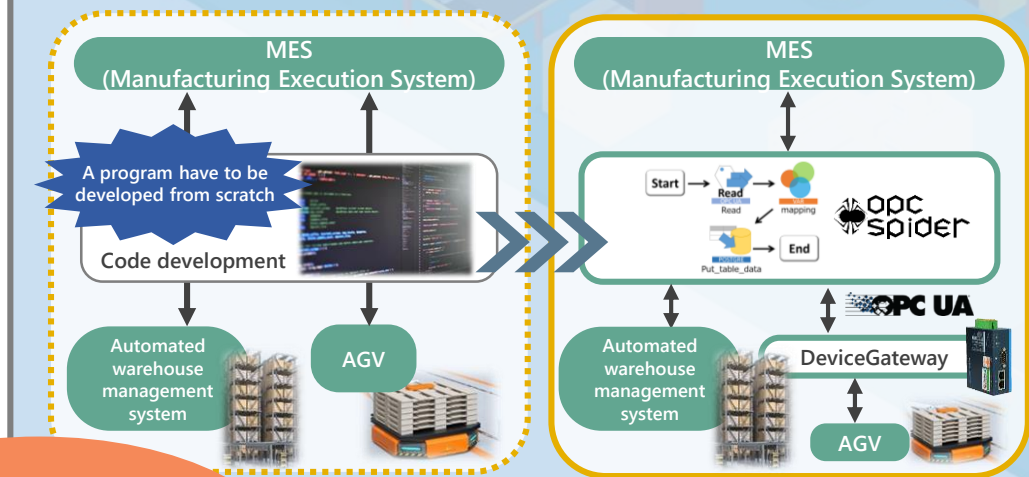


We support your production

Remote maintenance



Linkage systems

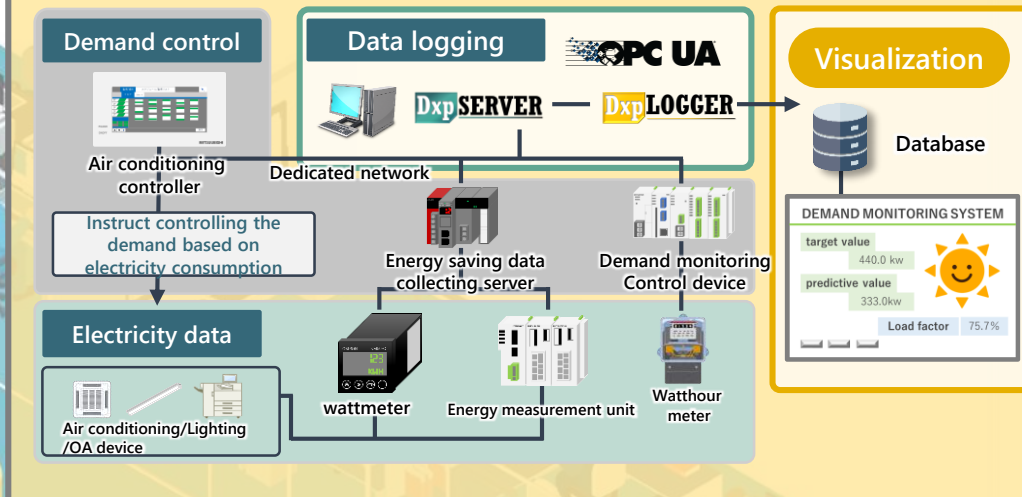


Takebishi products support your factory optimization.
Make your factory extra smart with our seamless data solutions.

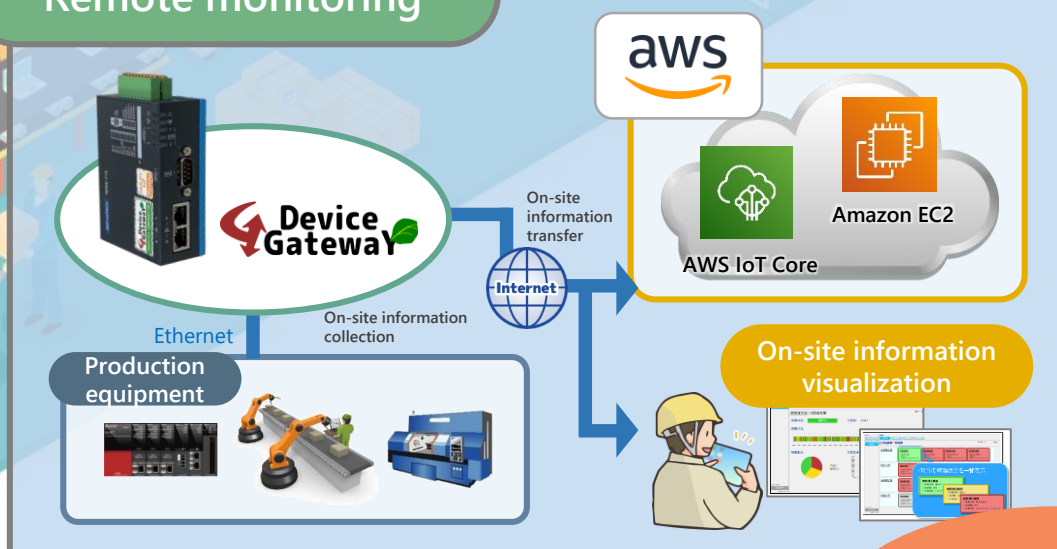


Power monitoring

Reduce energy consumption by up to 20%



Remote monitoring



On-site information is transferred to the cloud, making remote monitoring a reality!

Industrial communication platform DeviceXPlorer OPC Server



Dxp SERVER

DeviceXPlorer OPC Server provides a wide range of connectivity, which supports communication with devices such as PLCs, machine tools and robots that operate in production sites.

Via various networks, DeviceXPlorer OPC Server provides a wide range of connections to PLCs and applications.



Connect with
IT Systems

Supports OPC, MQTT and HTTP. Data can be linked to cloud databases as well as on-site systems.



Connectivity

Access to more than 400 series / 100 vendors of production site devices.



Multifunctional

Acts as a bridge for data between various devices, and enables simulation tests without the control device.

Check our
YouTube channel
for more details!



Features

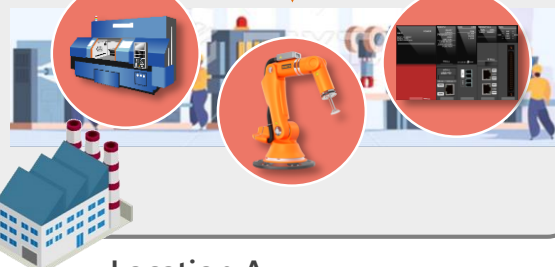
On-site system

Factory monitoring



OPC UA

Dxp SERVER



Location A



Cloud system

Visualization of all factories Management analysis



MQTT
HTTP

Enables the
centralization of
data between
locations

Dxp SERVER

Dxp SERVER



Location B, C...

Supported devices

Access to more than 400 series/100 vendors control devices



Check out the full list of compatible devices!



<https://www.faweb.net/en/product/opc/plc/supportlist>



Modbus Supported

- AZBIL
- IAI
- MG
(Formerly M-System)
- OMRON
- IDEC
- KOYO
- WAGO
- MTT
- Phoenix
Contact
- HAKKO
- ANYWIRE
- Eurotherm
- COGNEX
- HIOKI
- HITACHI
- YOKOGAWA
- DELTA
- RKC instrument
- CHINO
- MITSUBISHI
- Panasonic
- CODESYS
- MOXA
- GRAPHTEC
- PATLITE

Robot•NC(CNC)

- MITSUBISHI
- KAWASAKI
- YASKAWA
- FANUC
- YAMAHA
- SHIBAURA
- IAI
- SANYO

Injection molding machine

- Sumitomo Heavy Industries
- The Japan Steel Works

Server Function

- OPC UA
- OPC DA/AE
- Modbus/TCP
- SuiteLink

RFID/BCR

- MITSUBISHI
- OMRON
- KEYENCE
- COGNEX

Open Network

- MTConnect
- SLMP
- IEC60870
- IEC61850
- EtherNet/IP
- BACnet/IP
- CC-Link
- DNP3.0
- OPC UA
- OPC DA
- DDE
- ODBC

Energy-saving support device

- EcoServerIII
- E-Energy
- EcoMonitorLight

Lineup

Product name	License type	Available functions
DxpSERVER V7 Professional OPC Server	Perpetual (Hardware Key)	<ul style="list-style-type: none"> • Communication to all devices • MQTT, HTTP communication • OPC UA Historical Access • OPC UA Alarm&Condition
	Perpetual (Software Key)	
	Subscription (1year) (Software Key)	
DxpSERVER V7 Multi OPC Server	Perpetual (Hardware Key)	• Communication to all devices
	Perpetual (Software Key)	
DxpSERVER V7 Single OPC Server	Perpetual (Hardware Key)	• Communication to 1 vendor device
	Perpetual (Software Key)	

* For more details about our lineup, check our product catalogue or the "FAWEB" site.

Data Access Unit for IoT DeviceGateway



DeviceGateway is a unit which collects data in production sites and bridges the flow of data to IoT services. Enables easy connection from a web browser, which allows for speedy system construction.



Connect with
IT Systems

Supports OPC UA and MQTT
Enables communication with various IoT services.



Connectivity

Access to more than 320 series of control devices.



Simple setup

Simply set up the connection between the PLC and the corresponding host system via web browser.

Features

On-site system



MES
Machine monitoring

Cloud system



Predictive maintenance
Remote monitoring/control

Cloud vendor
specific protocol

User Definition
Json/MQTT(S)

User Definition
XML/HTTP(S)














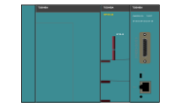
Open standard
Agent
(SNMP)

Common protocol
OPC UA
SQL/FTP

Data
communication



Supported devices

MITSUBISHI 	JTEKT 	OMRON 	YOKOGAWA 	HITACHI 	SHARP 	FUJI 
KEYENCE 	YASKAWA 	PANASONIC 	ROCKWELL 	SIEMENS 	GE 	TOSHIBA 

MachineTools

- MITSUBISHI
- YAMAZAKI
- FANUC
- SHIBAURA


Networks

●ANYWIRE	●AZBIL	●WAGO
●HIOKI	●RKC	●MTT
●MG	●CHINO	●OMRON
(Formerly M-System)	●Eurotherm	●Ablic
●HAKKO	●PANASONIC	●SIRC
●IDEC	●MITSUBISHI	●CODESYS
●KOYO	●YOKOGAWA	●CONTROL
●DELTA	●Silex Technology	●PHOENIX CONTACT
●MOXA		


EtherNet/IP	Modbus	SLMP	IEC61850
MTConnect	BACnet/IP	DNP3	

Others


Serial interfaces




Bluetooth beacons



DIO/AI



Check out the full list of supported devices



<https://www.faweb.net/en/product/devicegateway/supportlist>

Lineup

Compliant with safety standards, High spec model



Product name	DeviceGateway Global Model (DGW-W710)
Feature	<ul style="list-style-type: none"> ●Safety standards (CE / FCC / UL / CCC (Exemption applied)) ●Equipped with DIO terminal ●Wide temperature range (-20 to 55) ●3 serial ports (RS232C x 1, RS485 x 2)

Compact model



Product name	DeviceGateway Compact Model (DGW-C10)
Feature	<ul style="list-style-type: none"> ●Space saving ●Wide temperature range(-20 to 60) ●1 serial port (RS232C)

Software version, Docker model



Product name	DeviceGateway on Docker (DGW-D20)
Feature	<ul style="list-style-type: none"> ●Works in Linux environment ●Container virtual image provided ●Other application linkage

OPC supported data logging software DeviceXPlorer DataLogger



DxpLOGGER

DeviceXPlorer Data Logger is OPC supported data logging software which collects and monitors the data from production equipment.



Connectivity

When used along with OPC Server, all production equipment data can be collected at once (up to 65,536 points).



Multifunction

In addition to data collection, a range of functions such as data collection, alarm monitoring, reporting, graphing, and display monitoring are also provided.



Operation monitoring

Keep track of the operational status with graphical display and real-time monitoring.

Check our
YouTube channel
for more details!



Features

Logging

Log the production equipment data in CSV files and databases.



Alarm monitoring

Monitors alarms and notifies by e-mail when an event occurred/recovered.

AlarmTime	Msec	AlarmStatus	AlarmName
2021/05/14 11:06:57	000	AlarmOn	WaterLevelAlarm



Graph/Monitor function

Various graph and customizable monitor functions allow for monitoring of the operation status in production equipment.



Operation status

Operating Condition



Operating Condition



Lineup

Product name	Product type	Remarks
DxpLOGGER V3 Enterprise	Package (Hardware Key/Software Key)	With Monitor View function
	Download	
DxpLOGGER V3 Standard	Package (Hardware/Software)	No Monitor View function
	Download	

* For more details about our product lineup, check our product catalogue or the "FAWEB" site.

Data linkage software OPC Spider



OPC Spider is a software solution which enables integration of systems, databases and production equipment without the use of coding. The intuitive operation does not require any special skills, and reduces the time spent developing and maintaining systems.



No coding

Enables data integration between systems without coding. Easy to configure without any specialized skills!



Reduce cost

No more time spent trying to create specification documents.



Simple setting

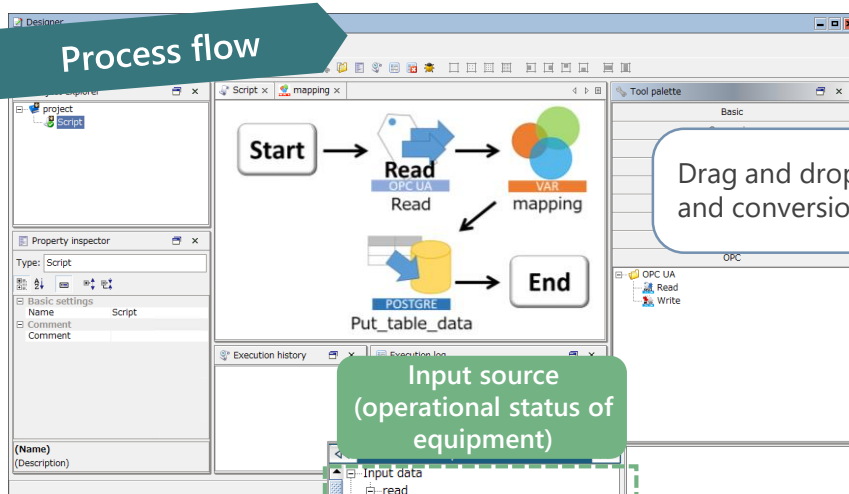
Can read the data from production equipment and write data in a data base just by placing 3 icons.

Check our
YouTube channel
for more details!



Features

Process flow



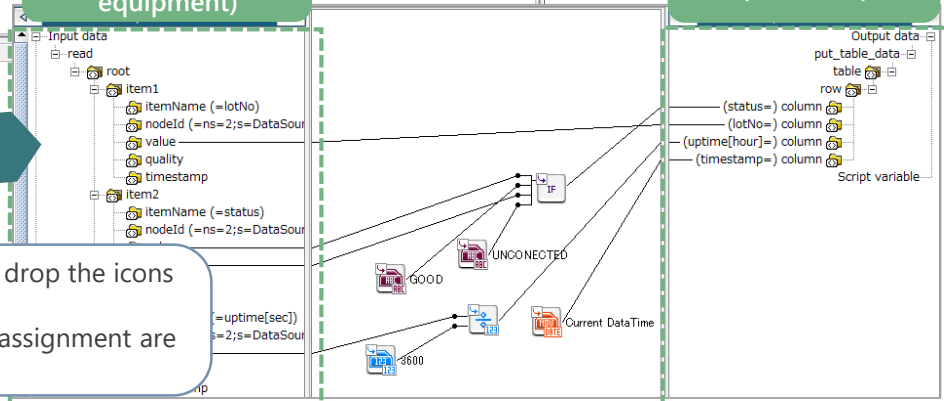
Drag and drop adapter icons for data input/output and conversion processes.

Input source
(operational status of
equipment)

Output destination
(Database)

Data mapping

To link data, just drag and drop the icons to connect.
Data calculation and data assignment are also available.



Lineup

Product name	Remarks
OPC Spider	Number of runtime license: 1; Number of client license: 2

* For more details about our product lineup, check our product catalogue or the "FAWEB" site.

PLC communication plug-in for AXIS cameras DeviceXPlorer RecSync



Dxp RecSync



DeviceXPlorer RecSync is a software which records anomaly events that occur in production equipment when used together with Axis Communication Network cameras.



Install anytime

Simple installation: just connect existing PLC and network camera via LAN.



Record automatically

When DxpRecSync detects a fault signal from the PLC, it records the time before and after the anomaly event occurred.



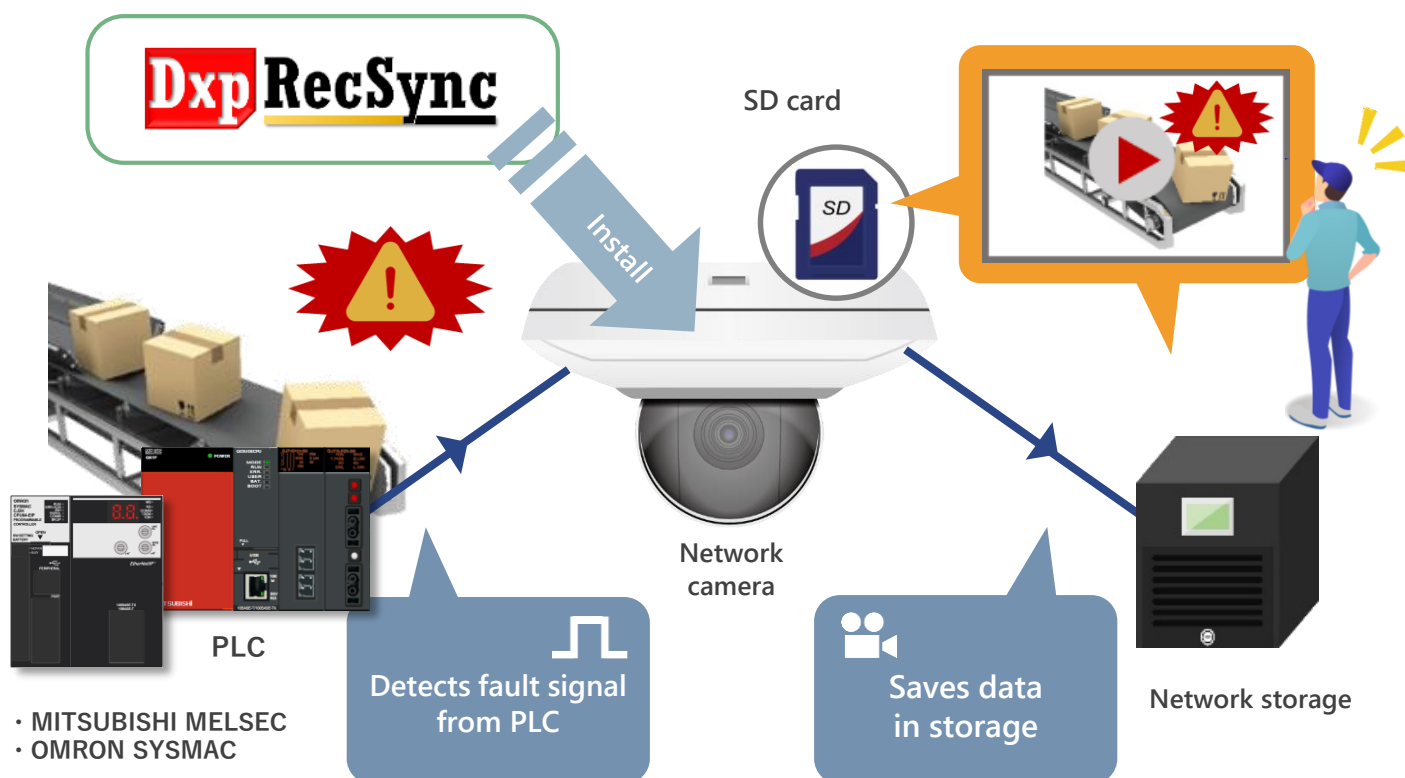
Improve the operation

Facilitates improvement of the operation rate by helping to find the causes of anomaly events in production equipment.

Check our
YouTube channel
for more details!



Features



Lineup

Product name	Product type
DeviceXPlorer RecSync	Download

* For more details about our product lineup, check our product catalogue or the "FAWEB" site.

IoT supported file linkage software DeviceXPlorer FileLinker



Dxp FileLinker

DeviceXPlorer FileLinker is a software which bridges the data transfer of text files such as CSV to IoT services. Helps to leverage the hidden data in the equipment to implement your IoT solutions.



Data utilization

Enables effective use of log data and other files in equipment that does not support external communication.



Connects to IT systems

Connects to various IoT services such as OPC UA and MQTT.



Simple settings

Data can be linked freely by file format. Easy communication with IT systems.

Features

Send data to the IT system according to a set cycle, or when file modification is detected

MQTT

OPC UA

Dxp FileLinker

Tag name	Data type	Row	Column	Current value
Date	Date	Latest record	0	2022/5/31 9:01
ProductName	String	Latest record	1	Product C
LineSpeed	Float	Latest record	4	4.5
Operator	String	Latest record	5	Tom

Reads each column of data in the file and uses it as the value of the tag

Mapping

1	DateTime,ProductName,ProductCount,Amount,LineSpeed
2	2022/5/31 9:00,ProductA,10,10,8.2, Mike, . . . ↓
3	2022/5/31 9:00,ProductA,20,20,8.3, Mike, . . . ↓
4	2022/5/31 9:00,ProductA,30,30,8.1, Mike, . . . ↓
5	2022/5/31 9:00,ProductB,10,40,8.1, Mike, . . . ↓
6	2022/5/31 9:00,ProductB,20,50,8.05, Mike, . . . ↓
7	2022/5/31 9:00,ProductB,30,60,8.5, Sumith, . . . ↓
8	2022/5/31 9:01,ProductB,40,70,7.95, Sumith, . . . ↓
9	2022/5/31 9:01,ProductC,10,85,4.5, Tom, . . . ↓
10	2022/5/31 9:01,ProductC,10,85,4.5, Tom, . . . ↓



Log data and other files in equipment that does not support external communication.

Lineup

Product name	Product type
DeviceXPlorer FileLinker	Download

* For more details about our product lineup, check our product catalogue or the "FAWEB" site.

FAWEB (Takebishi Product Website)

Product information, Q&A, contact form, catalogues and demos for download are all available on FAWEB.

<https://www.faweb.net/en/>



YouTube Channel

Check out Takebishi Products and how to use them on our channel!

https://www.youtube.com/@faweb_en



29, Mamedacho, Nishikyogoku,
Ukyo-ku, Kyoto, 615-8501, Japan

Contact Form Available : Weekdays 9:00-12:00/13:00-17:00 (JST)

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