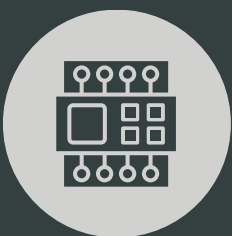# SIA Connect

Industrial IoT Gateway

Explore SIA Connect flexible IIoT Gateway to bridge data between OT & IT for more than 30+ industrial protocols & maximum cloud and database freedom.

TRIFORK.
A TRIFORK COMPANY

SIA Connect

an IIoT Edge Gateway that simplifies data collection from OT assets

Industrial Data Collection
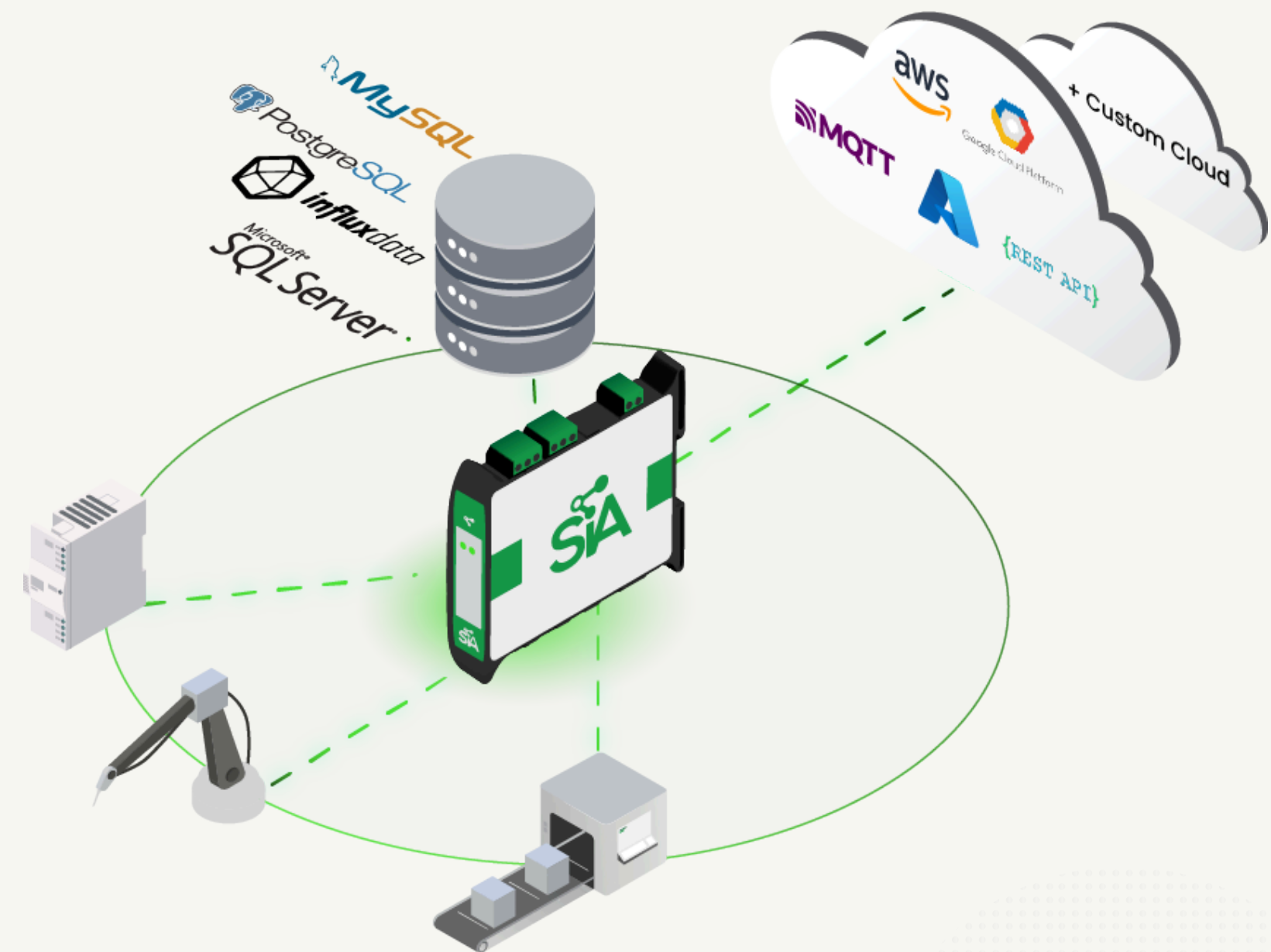Bi-directional data exchange to any cloud & database from more than 30 industrial protocols

Protocol Conversion
Active many-to-many protocol conversion between any of the supported protocols

OPC Server & APIs
Empower other systems with open data & command interfaces

MySQL
PostgreSQL
influxdata
Microsoft SQL Server

MQTT
aws
Google Cloud Platform
+ Custom Cloud
{REST API}

OPC UA
API

TRIFORK.

Industrial protocols

industrial standards and proprietary protocols supported

PROTOCOLS

- Allen-Bradley (Rockwell)
- BACnet IP
- BACnet MS/TP
- Beckhoff TwinCAT ADS
- CTi (Control Technology)
- Ethernet/IP
- IFM VSE series
- Keyence KV Ethernet
- Mitsubishi MELSEC
- Modbus TCP
- Modbus RTU
- Modbus RTU over TCP
- M-Bus
- Wireless M-Bus (wM-Bus)
- National Instruments TI505
- NITP in CAMP
- MT Connect
- OPC-UA client
- OPC-UA server
- Siemens S5
- Siemens S7
- S7-200**/300/400/1200/1500
- Siemens LOGO!
- Siemens TI505
- Omron FINS TCP
- Omron Host Link
- Universal Robots RTDE

Cloud & databases
broad support for ANY cloud and major database technologies

CLOUDS & DATABASES

- MQTT
- REST API
- Azure IoT
- AWS
- ThingsBoard
- KaaIoT
- Grafana
- Aveva Insight
- SMS & Email gateways
- Many more.....

- Apache Pulsar
- Siemens MindSphere
- Generic File generation
- MS SQL & Azure SQL
- MySQL / MariaDB
- InfluxDB
- PostgreSQL

Products

as Plug'n'Play Hardware (Standalone) or Software (ANY-Ware)

NEW

ANY-ware (Software)

SIA Connect ANY-ware is the software edition which runs on any platform. Either as virtualized software on Docker or as native installation on Linux and embedded system. ANY-ware gives you the flexibility to install on your desired platforms.

- App management
- Platform management (network configuration, resource usage etc.)
- Larger installations with thousands of data items

FREE TRIAL

Standalone (Hardware)

SIA Connect Standalone is the Plug'n'Play edition where the software and hardware comes as one. Suited for individual machines and medium sized buildings and factory lines. The units comes with a powerful quad core CPU, 512MB of RAM and 8GB of internal storage

- Physical interfaces (RS232, RS485)
- Small to medium installation for ~500 data items
- Larger installations with thousands of data items

SiA

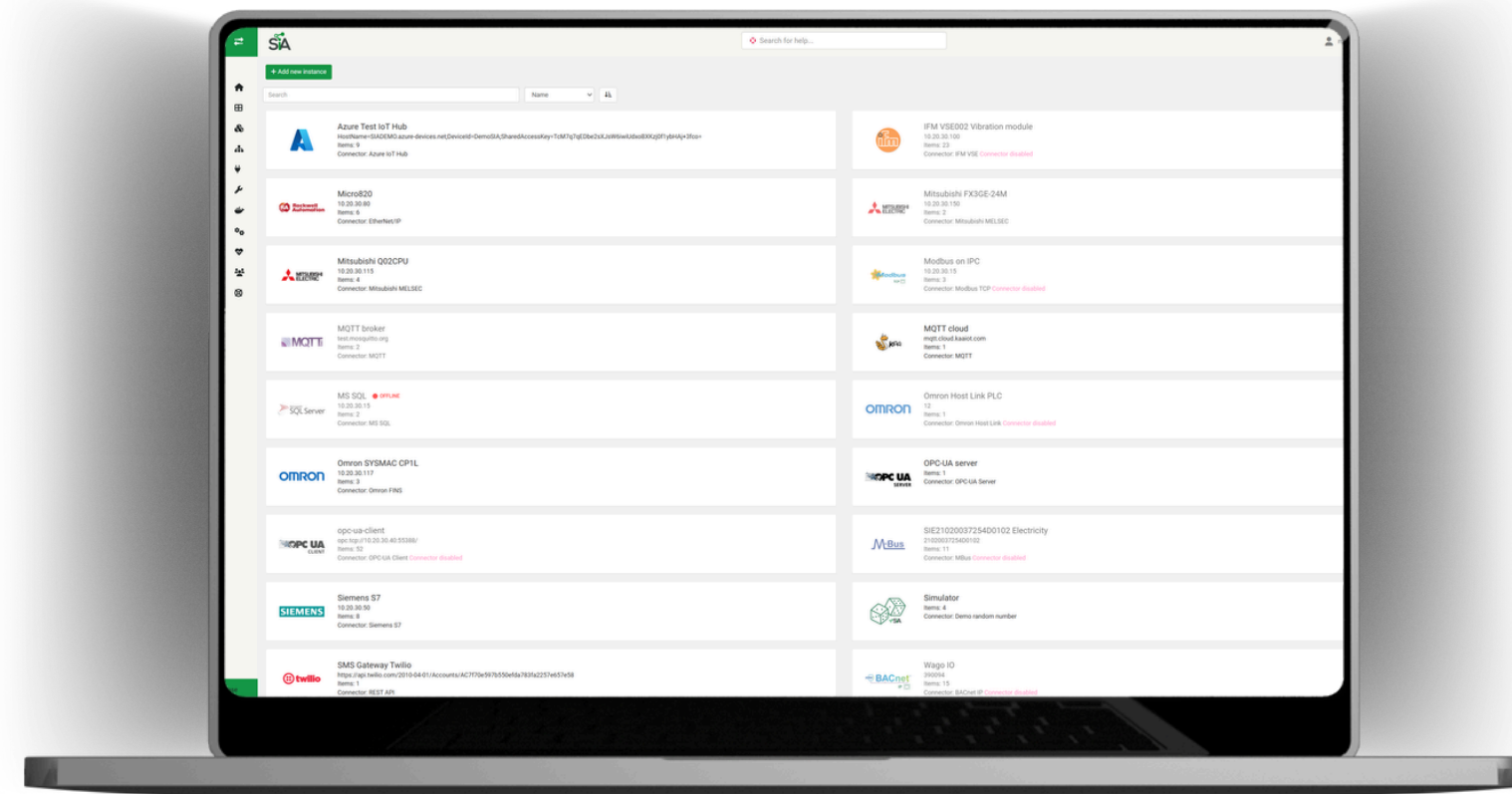# Deploy in 5 minutes with the intuitive Edge Portal

User-friendly web-based Edge Portal for local configuration of the gateway.

On-premise and free of charge as web application accessible from any browser.
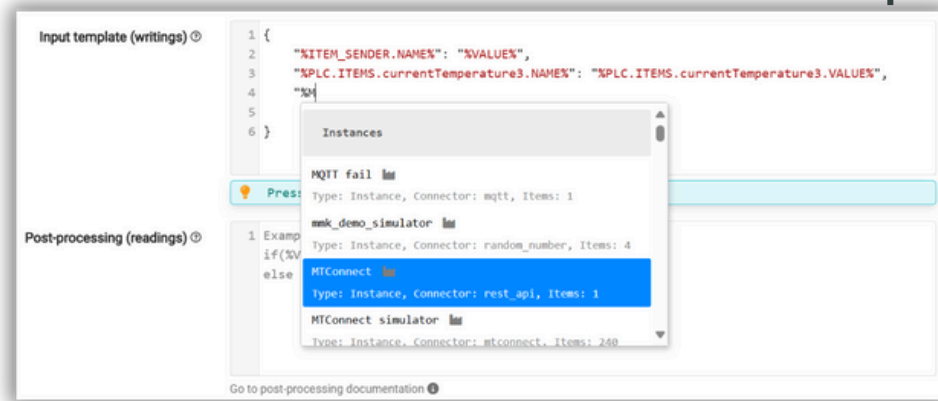
In-app AI chat assistance powered by content from our comprehensive knowledge base.
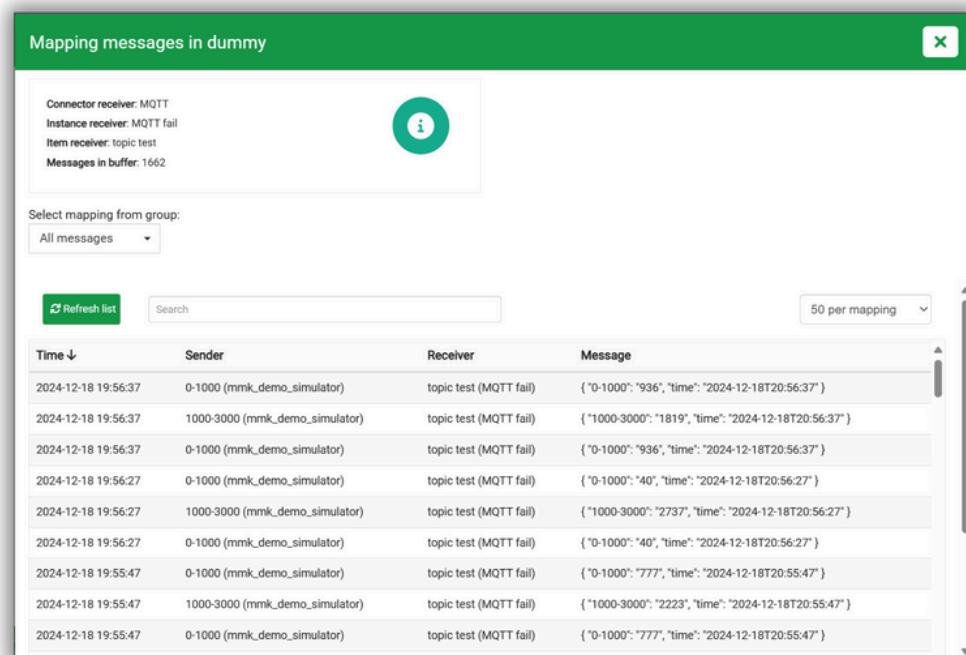
SiA

IIoT Gateway

a powerful and flexible solution for any cloud and database

Templates for creating dynamic messages & data contextualization

Edge processing of data for normalization & filtering. JavaScript compatible.

Store'n'forward ensures data are kept when offline

Two-way communication between IT and OT

Protocol converter

Many-to-many protocol conversion

Convert data between multiple protocols and devices at once with support for all 30+ protocols.
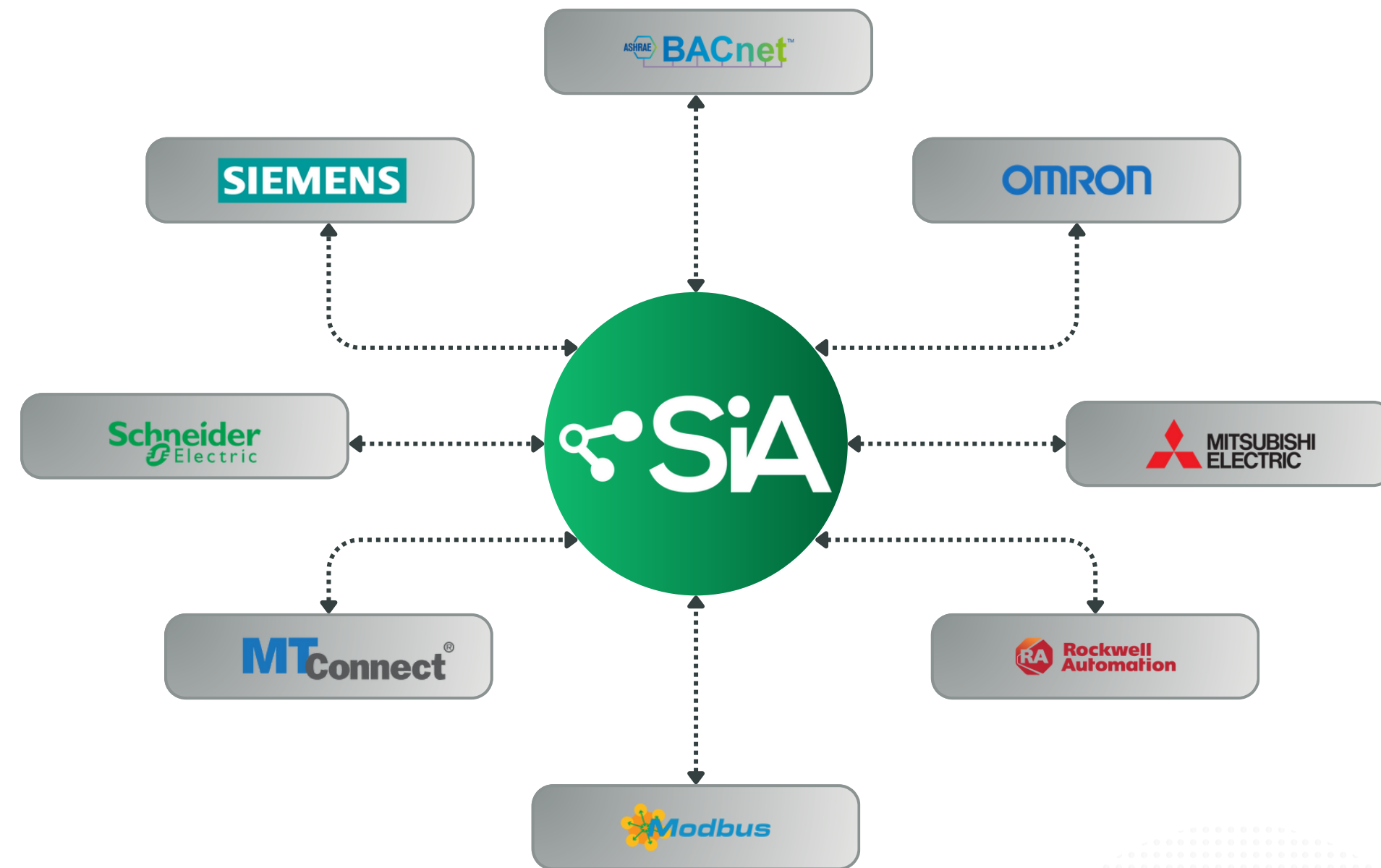
Push-pull translation (non-invasive)

Conversion is done simple by pulling the data and pushing it to the other PLC. No re-programming.

f(x) **Data enrichment**

Enhance and process the data during the conversion for easy retrofitting.

Modular solution

The platform integrates with third-party applications to enhance its functionality.

3rd party application with Docker

Integrated App Hub for Docker container management enables any 3rd party application extension

Remote Access

Secure remote access with partners from TosiBox or Secomea allows remote access to adjacent PLCs

REST API (local and remote)

The internal REST API that can be utilized locally and remote to build and embed it into your applications.

Certificate management

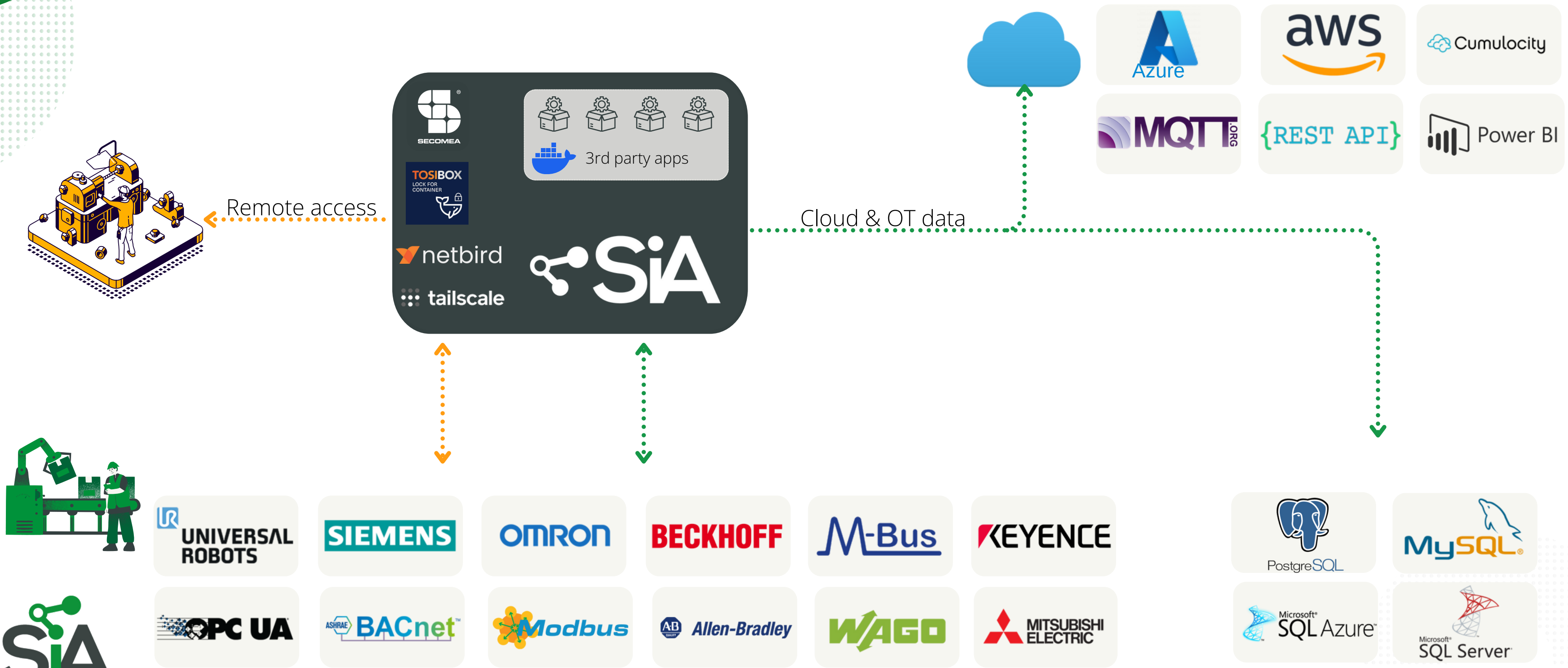With DigiCert IoT Trust support device certificates can be managed at scale and easily provisioned.

Azure IoT

Comprehensive support for Azure IoT with easy device provisioning, digital twin enablement and all the other benefits Azure IoT brings.

Overview & architecture

Connecting to 30+ industrial protocols and bridging them to IT

Contact **Us**

Get in touch with us if you have questions or inquiries.

Send us an email and our team will get back as soon as possible.

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