



Seamless & Secure IT-OT Integration

Smart IoT Highway, SIOTH®, is a scalable and modular IoT platform for IT-OT integration, data exchange and transformation. It establishes secure end-to-end pipelines in order to collect and store data from edge and IoT devices. SIOTH® turns industrial data into actionable intelligence and increased productivity.



Command &
Control Centers



Smart Factories &
Industrial Automation



Geographically
Distributed Sites



Smart Cities



Enterprise-Wide
Integration



Smart Grid
Infrastructures

Enterprise Systems, Command & Control Centers and Operation Centers



Features

IT-OT Data Exchange

- Integration Bus based on publish/subscribe architecture
- **Industrial protocols:** OPC, OPC UA, SNMP, Modbus, DNP, Profinet, Hart IP, IEC 60870-5-104, BACnet, Allen Bradley
- **IoT protocols & APIs:** MQTT, REST, AMQP, Azure Event Hub, FTP, SOAP
- **Databases:** SQL-like and No SQL databases
- **Historians:** InfluxDB, Aveva PI
- More connectivity options via plug-ins support
- Store & forward

Built-In Cyber Security

- Support of DMZ architectures
- Data encryption
- Data integrity
- User authentication
- Protocol break
- Configurable communication ports
- Traceability
- ISA/IEC 62443 compliant

Flexible Data Model & Real-time Historian

- Data model for a unified & hierarchical organization of data
- Real-time historian to store the exchanged process data, system & security data

High Availability & Scalable Architecture

- Scale up indefinitely, locally for a single site and globally interconnecting multiple sites
- Distribute data exchange tasks among multiple nodes
- Duplicate jobs and services for quick recovery post-failure

Orchestration & Synchronization

- Configure and execute scripts, jobs, rules & workflows for data aggregation or business logic purposes

Unified HMI for a Single Interface

- Manage all of your devices, sources & data flows
- Build user-defined dashboards and generate web applications
- Deploy monitoring and SCADA applications
- Create customizable graphical components

Flexible User Management

- Configurable user accounts, profiles & access privileges
- Integration with Microsoft Active Directory
- Support of OAuth 2.0 protocol