

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.



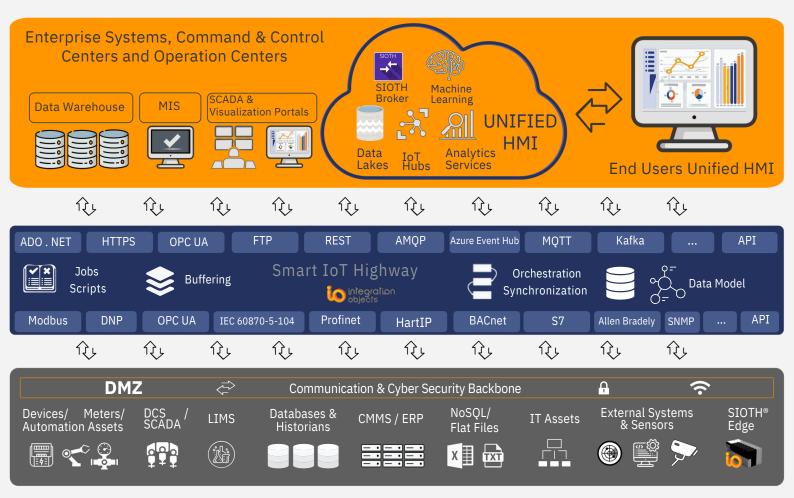












Features



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
- 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
- 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



