

# 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.







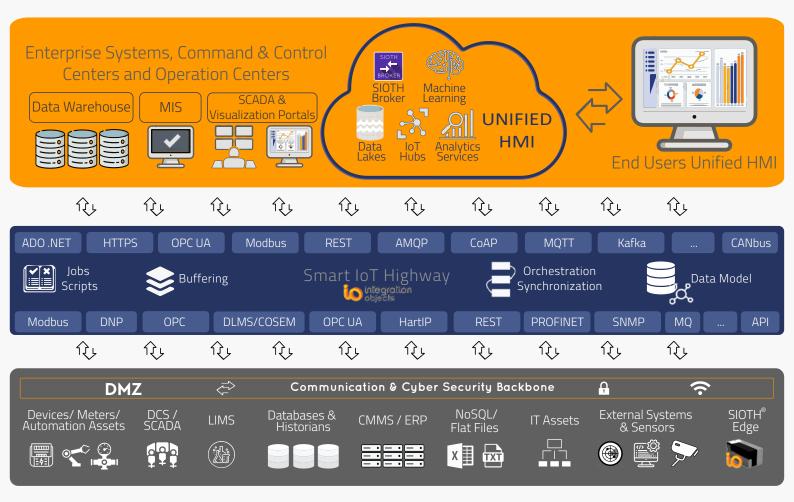
## Smart Factories & Industrial Automation



Enterprise-Wide Integration Geographically Distributed Sites



Smart Grid Infrastructures



## Features

## IT-OT Data Exchange

- Integration Bus based on publish/subscribe architecture
- Industrial protocols: Modbus, OPC, OPC UA, DNP, Hart, Profinet, Profibus
- IoT protocols: MQTT, REST, AMQP, CoAP
- Databases: MS SQL Sever, Oracle, MS SQL...
- Historians: OSIsoft PI, Aveva Historian...
- 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