

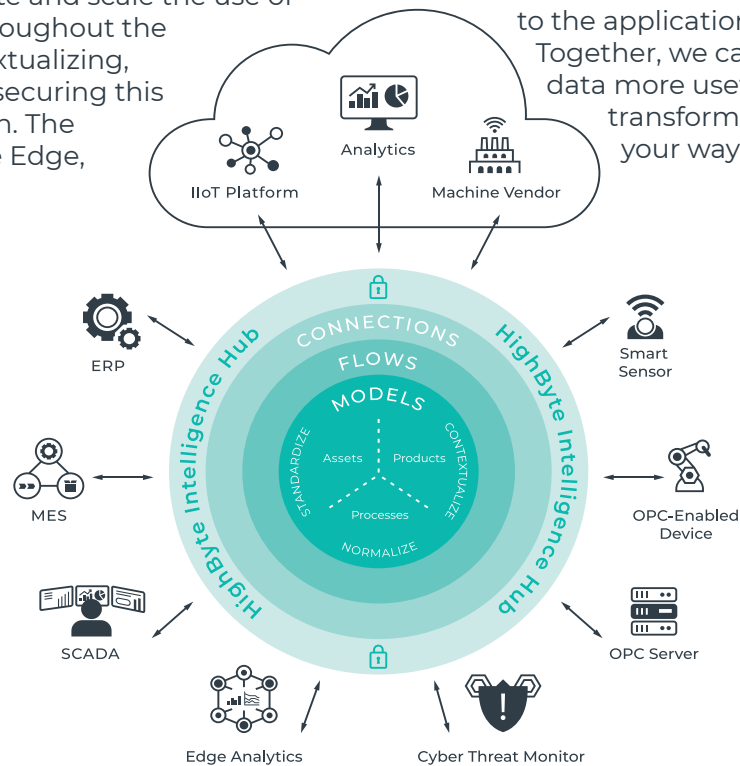
Make Your Industrial Data Useful

HighByte Intelligence Hub is the first DataOps solution purpose-built for industrial data.

DataOps (data operations) is the orchestration of people, processes, and technology to deliver trusted, ready-to-use data to all who require it. HighByte Intelligence Hub provides industrial companies with an off-the-shelf DataOps solution to accelerate and scale the use of production data throughout the enterprise by contextualizing, standardizing, and securing this valuable information. The software runs at the Edge,

scales from embedded to server-grade computing platforms, connects devices and applications via open standards and native connections, processes streaming data through standardized models, and delivers contextualized and correlated information to the applications that require it.

Together, we can make your industrial data more useful for whatever digital transformation project comes your way.



Measurable Benefits for Operations Technology (OT) and IT

Accelerate and scale your data lake, IIoT, and analytics initiatives while improving communications between OT and IT.

- Organize, merge, and standardize your industrial data in one solution
- Model, document, and deliver your data more efficiently
- Stop writing custom scripts and troubleshooting broken integrations
- Reduce time spent preparing data for analysis
- Reduce Cloud ingest, processing and storage costs for unusable and unneeded data
- Improve system-wide security
- Reduce time spent deploying and maintaining system integrations
- Reduce data loss from dropped connections

Critical Features for Industrial DataOps

■ Data Modeling

Represent machines, products, processes, and systems with key intelligent information suited to your needs. Contextualize thousands of industrial data points by adding meta data, standardizing data attributes, and normalizing units of measure. Rapidly create models and reuse sub-models to increase standardization and accelerate projects.

■ Connection Flows

Create data flows for raw data or modeled information between connections at any frequency or event. Manage data flows within HighByte Intelligence Hub to identify, enable, or disable the flow of information to consuming applications. Enable store and forward to buffer data on disk if target connection is lost.

■ Security

Exchange data using the built-in security of connection protocols. By identifying outputs by connection, administrators can implement higher-level management and security than typical pub/sub broker architectures and open, unmanaged API access.

■ Data Transformations

Use the built-in transformation engine based on JavaScript notation to standardize and normalize data for comparison and application mismatches. The transformation engine enables you to perform calculations, execute logic to define new “virtual property” values, and decompose complex strings at the Edge to improve data usability and reduce transmission volume.

■ Codeless Integration

Collect and publish data over open standards and native connections—eliminating the need for custom-coded integrations. Easily configure and manage multiple connections and their respective inputs and outputs within the script-free interface.

■ Edge Native

Run HighByte Intelligence Hub on your choice of light-weight hardware platforms including single board computers, industrial switches, IoT gateways, and industrial data servers. Deploy as an individual software installation or Docker image, which allows you to rapidly deploy and upgrade system software components.

Next Steps

Interested in learning more? Please contact sales@highbyte.com to request additional information, schedule a demo, or join our free trial program.

About HighByte

HighByte is an industrial software development company in Portland, Maine building solutions that address the data architecture and security challenges created by Industry 4.0. We’ve developed the first DataOps solution purpose-built to meet the unique requirements of industrial assets, products, processes, and systems at the Edge. Learn more at highbyte.com.

Connectivity

Connector	Inbound	Outbound
AWS		
AWS IoT SiteWise		✓
Azure		
Azure Event Hubs		✓
Azure IoT Hub		✓
HTTP		
REST Client	✓	✓
MQTT		
MQTT JSON		✓
MQTT Sparkplug	✓	✓
OPC		
OPC UA TCP	✓	✓
SQL		
Microsoft SQL Server	✓	✓
MySQL	✓	✓
PostgreSQL	✓	✓

Supporting Operating Systems

- Windows Server 2012/2016
- Windows 8/10
- Linux [any Linux distribution capable of running a JVM; tested with Ubuntu]
- macOS

System Requirements

- Java SE 11 or OpenJDK 14 [or newer]
- HTTP server [for hosting frontend]
- 1.4 GHz processor
- 1 GB RAM
- 100 MB available disk space
- Network capable [TCP]

These are minimal system requirements. Actual requirements will vary based on product configuration.

Software Delivery

HighByte Intelligence Hub is an on-premises application configured remotely through a web browser or a REST-based API. The software is available as an annual subscription and is priced per instance or per site.