

REGIONAL ENGLISH MATERIAL · HIGHBYTE INTELLIGENCE HUB 4.5 BETA FOCUS

Sector-Specific HighByte Use Cases

Practical marketing plays for energy, oil and gas, life sciences, food and beverage, automotive, and metals operations.

HighByte

ASP Dijital

Industrial AI

MCP

i3X

- Lead with the sector problem, then map it to model-first Industrial DataOps rather than a generic connector story.
- Use 4.5 Beta features as credible accelerators for scale: dictionaries, file operations, NATS, i3X descriptions, HA probes, and OPC UA security policy expansion.
- Keep each use case measurable: latency, asset coverage, integration hours, dashboards, AI readiness, and governance evidence.

EVIDENCE

Sector-Specific HighByte Use Cases

Practical marketing plays for energy, oil and gas, life sciences, food and beverage, automotive, and metals operations.

- HighByte public materials list proven use cases including predictive maintenance, production metrics, enterprise OEE, quality, traceability, sustainability, supply chain, generative AI, and agentic AI.
- The 4.4 solution brief describes connectors across AI, AWS, Azure, Databricks, files, Google, HTTP, MQTT, OPC UA, Snowflake, SQL, Kafka, and time-series systems.
- Customer case material shows both high-volume industrial telemetry and utilities grid data moving into cloud analytics foundations.

4.5

BETA

Edge

NATIVE

OT + IT

COLLABORATIVE

AI

READY

4.5 ADDITIONS TO EMPHASIZE

HighByte Intelligence Hub 4.5 Beta focus

Energy & utilities: HA readiness endpoints, asset-change streaming, and improved observability for lower-latency grid analytics.

Oil & gas: dictionaries and config graph tools to standardize asset context across historians, SCADA, and Snowflake-style data platforms.

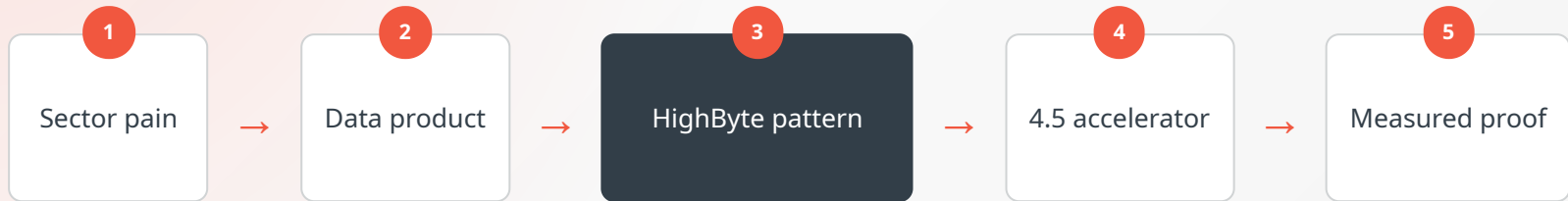
Life sciences: Git deployment import improvements, UANodeSet/JSON Schema model import, and audit-ready governance patterns.

Manufacturing: AI Agents, i3X descriptions, NATS, file event/move/delete, and direct file-to-cloud storage operations.

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REFERENCE FLOW

Practical marketing plays for energy, oil and gas, life sciences, food and beverage, automotive, and metals operations.



OT
PLC, SCADA, Historian, MQTT, OPC UA, SQL, files

Industrial DataOps
Connect, model, transform, govern, observe

IT / AI
UNS, REST, i3X, MCP, cloud, BI, AI agents

SECTOR PLAYS

Business outcome

SECTOR	USE CASE	VALUE PATTERN
Energy & Utilities	Grid asset streaming	Continuous data foundation for forecasting and planning
Oil & Gas	Historian harmonization	Common asset model across SCADA and time-series systems
Life Sciences	Traceability + audit	Governed model import, Git deployment, and quality evidence
Food & Beverage	Line performance	OEE, quality, recipe, and downtime payloads ready for dashboards
Automotive	Enterprise OEE	Reusable asset/process models across plants and suppliers
Metals & Mining	Remote operations	Edge collection, store-and-forward, and cloud delivery

SOURCE BASIS

Prepared by ASP Dijital for regional HighByte conversations

- HighByte Intelligence Hub Version 4.5 Beta release notes, published June 08, 2026.
- HighByte User Guide pages for MCP Services, i3X Server, AI connections, Flow triggers, Smart Query, and Central Hub.
- Local HighByte 2025/2026 partner materials, brand guidelines, solution brief, messaging document, and customer case studies.
- ASP Dijital brand media kit and local ASP Dijital logo assets.

Official URLs

highbyte.com/resources/release-notes/version-4-5-beta
guide.highbyte.com/configuration/servers/mcp/
guide.highbyte.com/configuration/servers/i3x/
guide.highbyte.com/configuration/connect/connections/ai/openai/

Positioning guardrail

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