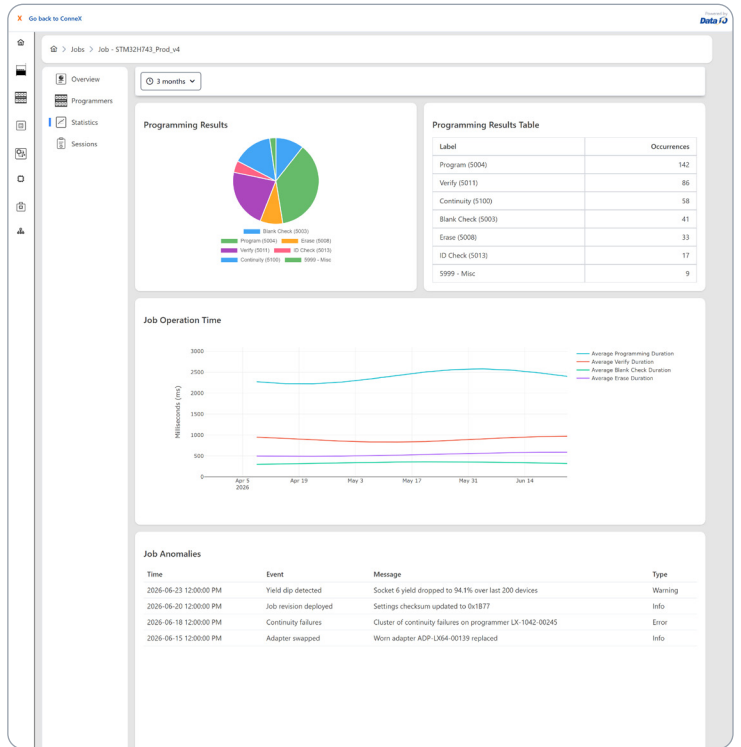
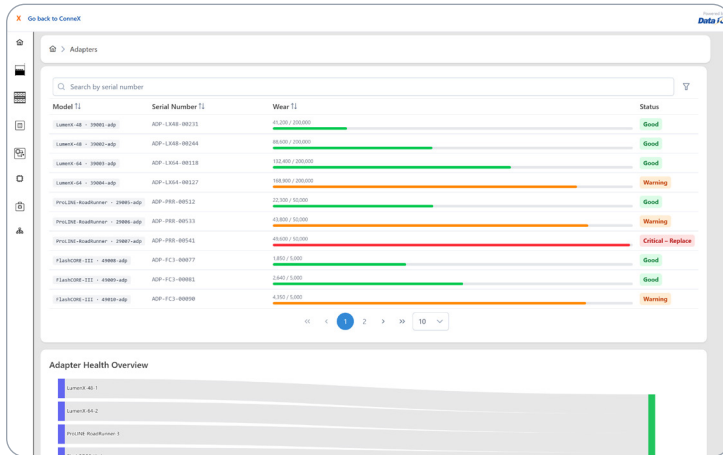


ConneX

OPTIMIZE • TRACK • ANALYZE

ConneX connects your Data I/O PSV programming systems to your manufacturing environment. MES integration, real-time dashboards, device traceability, and predictive analytics — all in one connected factory solution.



Optimize

MES INTEGRATION

- Improve operator efficiency with job commands between MES and PSV systems
- Inventory management with Job and media validation
- Real-time reporting with configurable dashboards



Track

TRACEABILITY

- Device and Job programming statistics reporting
- Error message reporting
- Yield tracking
- Real-time reporting with dynamic dashboards



Analyze

DATA DRIVEN DECISIONS

- Root cause and post-process analysis
- Proactive service with predictive analytics
- See long-term data trends throughout your factory

SUPPORTED PROGRAMMING SYSTEMS

PSV7000
 PSV5000
 LumenX M-8
 LumenX2-M4
 FlashCOREIII-M4*
 FlashPAKIII*

* limited data collected for these systems

MQTT API USE CASES

- Load job
- Remote pause
- Inventory tracking
- Barcode scanning

MQTT is a publish/subscribe open-source messaging protocol enabling event-driven two-way communication between machines.

GRAPHQL API

- GraphQL APIs
- Sample GraphQL client application

An open-source framework for data queries — streamlines access to historical programming data for visualization and analysis.

SECURITY

Secure Data Provisioning for Supply Chain Optimizaton

- Keys & Certificates
- Device ID

SYSTEM REQUIREMENTS

WIN 10 x64 or WIN Server 2022. Keep PSV systems updated with current AH/CH software and FlashCORE/ LumenX firmware for full data object support.

Accelerate integration with Data I/O's sample API projects — MQTT & GraphQL clients on GitHub

github.com/dataio-corporation

SAMPLE DATA OBJECTS SUPPORTED

EVENT/STATISTIC	LUMENX	FLASHCORE*
HANDLER		
Timestamp	✓	✓
Handler Name	✓	✓
Handler IP	✓	✓
Handler Software Versions	✓	✓
PROGRAMMER		
Programmer Type	✓	✓
Programmer Software Versions	✓	✓
Programmer Serial Number	✓	✓
Programmer IP	✓	✓
ADAPTER		
Adapter ID	✓	✓
Adapter Serial Number	✓	✓
Adapter "clean count"	✓	✓
Adapter Lifetime Acutations	✓	✓
Adapter Lifetime Continuity Failures	✓	x
Adapter Failure Count	✓	✓
Adapter Pass Count	✓	✓
Socket Index	✓	✓
JOB		
Algorithm ID	✓	x
Job ID	✓	x
Job Name	✓	✓
Job Description	✓	✓
Device Name	✓	✓
Device Manufacturer	✓	✓
Chip ID	✓	x
DEVICE		
Programming Result	✓	✓
Algorithm ID	✓	x
Verification Duration	✓	✓
Overhead Duration	✓	x
Blank Check Duration	✓	✓
Erase Duration	✓	✓
Error Message	✓	x
Handler Name	✓	✓
Handler IP	✓	✓
Handler Software Versions	✓	✓
Serial Data	✓	x
Programmer Hardware Versions	✓	✓
Image Checksum	x	✓

*Limited FlashCORE data in dashboards **FlashCORE raw data for export may vary

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