

Ignition® Integration for Life Sciences

Secure, Validated, Efficient Operations in Labs and Production, Using Inductive Automation's Ignition Platform

As an independent systems integrator with over 40 years of experience — and a top integration partner for Ignition — we help life-sciences companies implement Ignition as a SCADA package and as a validated operations platform.

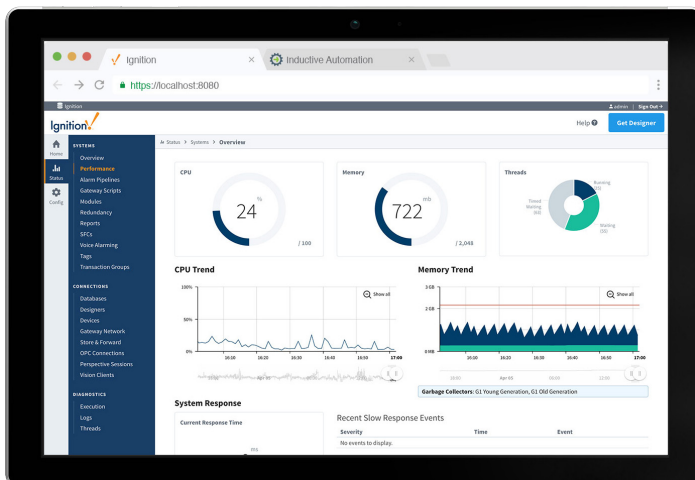
InflexionPoint + Ignition: A Powerful Partnership

By combining Ignition's flexible industrial application capabilities with InflexionPoint's experience in process and facility automation, MES/MOM, batch processing, IT-OT infrastructure, cybersecurity, and managed services, life-sciences companies can modernize lab and manufacturing operations while improving data integrity, operational visibility, and long-term supportability.

Use Ignition to Create a Flexible and Futureproof Operating Environment

Deploy Ignition as a central integration layer, collecting data from the equipment, processes, analyzers, production lines and systems, creating role-based applications, and making real-time and historical information and reports available to operators, engineers, supervisors, quality teams, and management. With enterprise, cloud, and edge options, and a thriving developer ecosystem, Ignition has the flexibility to fit any environment and expand easily as needs grow.

- Open and modern connectivity options
- Data-driven operations and results
- Resilient architectures
- Modular and scalable deployments
- GxP-compliant solutions
- Eliminates data silos



At InflexionPoint we are a top integrator of Inductive Automation's Ignition — increasingly a preferred choice for life-sciences operators, due to its extensive out-of-the-box functionality and straightforward scalability.



A Proven Process for Ignition Implementation

Our Design-Build-Manage process helps ensure our clients get the right Ignition solution for their needs, and the support of a long-term partner.



Design

We work with clients to define requirements, assess current systems, and architect solutions aligned to business goals — ensuring the right technologies and data strategies are selected from the outset.



Build







We build complete OT solutions to meet our clients' specific business requirements, and a system is not complete until it is configured, tested, validated, and commissioned.



Manage

After deployment, we provide support, maintenance, and managed services — helping clients maximize uptime, adapt to changing needs, and extract long-term value from their technology investments.

Key Use Cases and Services:

-  **SCADA and HMI modernization.**
Replace aging HMIs, SCADA systems, and custom legacy applications with standardized Ignition screens, dashboards, templates, navigation models, alarm strategies, historian structures, and operator workflows.
-  **Lab operations and equipment integration.**
Define the architecture, connect devices and databases and analyzers, build dashboards, capture equipment events, and support data flows into LIMS, QMS, historians, or analytics platforms.
-  **21 CFR Part 11 data integrity readiness.**
Translate the 21 CFR Part 11 shared-responsibility model into actual implementation: user roles, authentication, audit trails, electronic records, electronic signatures, reporting, backup/restore, change control, validation documentation, and SOP alignment.
-  **Secure IT-OT architecture.**
OT networking and cybersecurity services including network design, firewall/VPN/access controls, anti-virus and anti-ransomware, server setup, virtualization, monitoring, and alignment with NIST, CPwE, and ISA/IEC 62443 practices.
-  **Electronic batch records and manufacturing execution.**
Connect Ignition to ERP, SCM, PLM, process control systems, and quality systems so production data becomes usable for batch review, deviation reduction, OEE, yield improvement, and release support.
-  **Reporting, analytics, and continuous improvement.**
Deviation trending, equipment utilization, batch cycle-time analysis, environmental monitoring review, alarm rationalization, energy use, predictive maintenance, and manufacturing performance dashboards.

Client Success Stories

Here are a few examples of how we have implemented Ignition to solve real-world challenges for life-sciences companies.



Remote Monitoring

Ignition deployed to handle process and batch data transfer from CDMO to J&J (Janssen), including cloud data collection to monitor production remotely.



Environmental Monitoring

Implemented environmental monitoring systems at Incyte, to drive compliance by collecting environmental parameters for GMP production areas.



AI/ML to Accelerate CAR-T

Ignition time-series historian allows users to track bioreactor processes and predict cell density and potential yield, based on real-time analysis.



Historian Modernization

Upgraded to Ignition historian, allowing Syngene to track process parameters, set points and sequential actions.

Ready to Learn More?

Discover how our Ignition integration services can transform your life-sciences operation into a model of efficiency, safety, and compliance. Visit our website, call, or email us today.



+1-800-699-1983 | info@inflexionpoint.ai | www.inflexionpoint.ai