

Supporting your digital objectives through improved visualization, control and quality

The automation strategies of today form the foundations of our life sciences manufacturing clients' digital transformation programs. Whether it's a new greenfield facility or upgrading a brownfield facility, manufacturers require automation programs that facilitate cross-system connectivity and data availability to power future decision making. Automation strategies need to align completely to enable digital transformation objectives to come into fruition.



Flexible and compliant automation systems that increase manufacturing yield

Cognizant has been delivering and supporting value-based digital automation solutions to the life sciences industry for the last 25 years. As your implementation partner, we deliver automation systems from conception through to production, in line with GAMP guidelines and followed by complete end-to-end lifecycle management and support.

We work with the leading pharmaceutical and biotech companies across manufacturing and labs to help ensure that every automation project runs smoothly, on time and within budget while delivering speed to value and driving competitive advantage.

We can help you maximize your digital automation strategies in line with your Manufacturing 4.0 initiatives, yielding optimal process efficiency, significant error reduction, total control, improved quality assurance, and increased cost savings.

Guiding your automation system design across a variety of processes and deployments

Our teams have experience working across multiple technology platforms throughout the automation space, including next generation cloud-based platforms.

Process Expertise	Automation Deployment Expertise
Large Molecule Bulk	SCADA
Cell and Gene Therapy	PLC
Small Molecule	DCS
Solid Dose	Batch
Sterile Fill Finish	Historian
Medical Device Packaging	Manufacturing and Quality
Assembly and Serialization	Management Systems



1. Starting projects right through automation project conception

Our vendor-agnostic consultants excel in front-end process automation design and the tailoring of automation levels to meet your digital needs. We ensure optimal platform selection, budget justification and seamless integration. Our teams have extensive expertise in recipe optimization, alarms and efficient manufacturing operations. We offer comprehensive OT cybersecurity assessments and design robust OT infrastructures.

2. Aligning automation program delivery to industry standards

We are experts in designing and building full turn-key digital automation systems aligned with ISA-S88 and GAMP5 guidelines. Our solutions encompass industrial IO, digital control systems and OT infrastructure.

With a proven implementation strategy, we help ensure on-time and on-budget project delivery, preparing the automation system for equipment testing and site qualification. We also offer customized training programs for system administrators and end users to enhance their skills and knowledge.

3. Enhance system performance through automation support services

At Cognizant, we help ensure that your automation systems remain in a validated state, offering system reliability, continuous improvements and process modification. Our support services, both onsite and offsite, enable effective management and control of production systems.

Additionally, our remote 24/7 manufacturing OT support services offer incident triage, functional escalation and resolution, facilitating seamless operations and optimal business performance.

4. Meet quality and validation standards to maintain excellence

We offer GMP-compliant automation system implementation and provide continuous quality and validation support throughout your systems' lifecycles. Our team executes projects under certified quality management systems aligned with GAMP guidelines. We also successfully deliver hundreds of audit-ready automation systems in the life sciences industry, helping ensure compliance and optimal performance.

Key statistics

Over

25 years'

experience implementing and supporting automation

+008

automation experienced associates

100+

sites with automation engagements

200+

global site deployments

Up to

engineers on a single project

Why Cognizant?

Cognizant's Life Sciences Manufacturing group provides end-to-end digital transformation solutions to the life sciences industry that keep systems running, improve supply chain efficiencies, and support clients' Manufacturing 4.0 initiatives. We specialize in delivering solutions and services across batch automation, data infrastructure and intelligence, MES, lab automation, CSV and digital technologies to manage, control and optimize manufacturing. Our team has deep life sciences expertise, and we work closely with our clients to achieve a shared vision of advancing science and improving patient outcomes

Cognizant's global network comprises more than 30,000 skilled life sciences professionals who work across global delivery centers in 37 countries to deliver and support our clients' digital transformation initiatives

Through automation, MES, cloud, data and digital technology solutions, we support our clients from project conception through to completion, across the entire manufacturing lifecycle. Our suite of solutions enable better connected IT and OT systems and more informed, data-driven decision making—all while adhering to Good Manufacturing Practices (GMP).

To find out how Cognizant can help life sciences manufacturing organizations move into the digital age, contact us today.



Life Sciences Manufacturing Solutions Cognizant



Cognizant (Nasdaq-100: CTSH) engineers modern businesses. We help our clients modernize technology, reimagine processes and transform experiences so they can stay ahead in our fast-changing world. Together, we're improving everyday life. See how at www.cognizant.com or @Cognizant.

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