



Case Study: IoT/Life Sciences

Pharmaceutical company's smart manufacturing transformation

A Fortune 50 pharmaceutical company, after making an acquisition, was facing the urgency and complexity of streamlining a variety of manufacturing processes and systems. It needed to replace the disparate and legacy applications with a unified, flexible manufacturing system to accommodate specific production processes and lower operations cost.

The client engaged Cognizant to lead its smart factory transformation program. The consistent business processes and procedures globally maximize specific outcomes. This enables collaboration of diverse stakeholders and systems across the business and allows global deployment of processes and solution accelerators to speed up implementation. It also automates process yield and compliance as well as reduces cycle time.

At a Glance

The client needed to reduce the complexity of its enterprise systems to increase visibility of multiple plant floor systems and lower operations costs. It chose to partner with Cognizant to unify processes and systems while charting a roadmap to improve operational efficiencies across 70 global locations.

Outcomes

- 30 of the 70 sites are live with a unified manufacturing execution system integrated to ERP.
- 20% increase in throughput.
- 50% decrease in batch review efforts.
- 10% decrease in inventory costs.
- 15% decrease in rework.
- Saved over 4,000 person hours.
- Realized ROI within 6 months of rollout.

OnePlant™ improves plant operations with technology and strategy

The client leveraged Cognizant's expertise in manufacturing applications, beginning with the Rockwell FTPS solution, and then expanding to include plant logistics, electronic batch records and manufacturing intelligence.

Cognizant oversight provides global leadership and a coordinated approach

The Cognizant team managed projects including assessing initial site readiness and executing parallel implementations of the manufacturing systems as well as go-live and support. We aligned the client's ongoing ERP milestones and supported sites across the globe during transition and post implementation in this complex and multi-year engagement. The Cognizant OnePlant framework provided the templates, process documents and best deployment practices that allowed the team to roll out project deliverables as much as 30% faster than it would be without the framework.

OnePlant ensures consistency across the various sites, where there was none before. The best practices included as a part of the solution will help the client reduce cycle time, increase yield, introduce paperless systems, and enhance compliance and quality.

Cognizant established a structured training and change management process and utilized OnePlant templates and assessment kits to promote adoption

and lessen the burden of change. Solution envisioning sessions, followed by formal training and discussion sessions, promoted understanding for key plant personnel.

Accelerators drive results

As part of the OnePlant framework and to reduce cycle time, Cognizant also delivered application customization and multiple accelerator tools, including data migration, language translation, master recipe migration, material mass update and order diagnostics.

The OnePlant solution accelerators alone have already saved over 4,000 person hours, enabling the client to recognize return on investment within six months of rollout, on average.

Cognizant's success at the initial plant sites enabled the client to retire several end-of-life systems. The efficient and evergreen standardized platform lowers the company's cost of ownership and those savings can now be invested in further developing the smart factory strategy and other areas critical to the business. Cognizant has empowered the client to harmonize critical manufacturing processes, giving a major boost to the ongoing pursuit of operational, quality and compliance excellence.

Learn More

To learn more about Cognizant and the internet of things, please visit www.cognizant.com/iot.

About Cognizant

Cognizant (Nasdaq-100: CTSI) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 193 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us [@Cognizant](https://twitter.com/Cognizant).

Cognizant

World Headquarters

500 Frank W. Burr Blvd.
Teaneck, NJ 07666 USA
Phone: +1 201 801 0233
Fax: +1 201 801 0243
Toll Free: +1 888 937 3277

European Headquarters

1 Kingdom Street
Paddington Central
London W2 6BD England
Phone: +44 (0) 20 7297 7600
Fax: +44 (0) 20 7121 0102

India Operations Headquarters

#5/535 Old Mahabalipuram Road
Okkiyam Pettai, Thoraiyakkam
Chennai, 600 096 India
Phone: +91 (0) 44 4209 6000
Fax: +91 (0) 44 4209 6060

APAC Headquarters

1 Changi Business Park Crescent,
Plaza 8@CBP # 07-04/05/06,
Tower A, Singapore 486025
Phone: + 65 6812 4051
Fax: + 65 6324 4051