



ENGINEERING AND MANUFACTURING SOLUTIONS PRACTICE

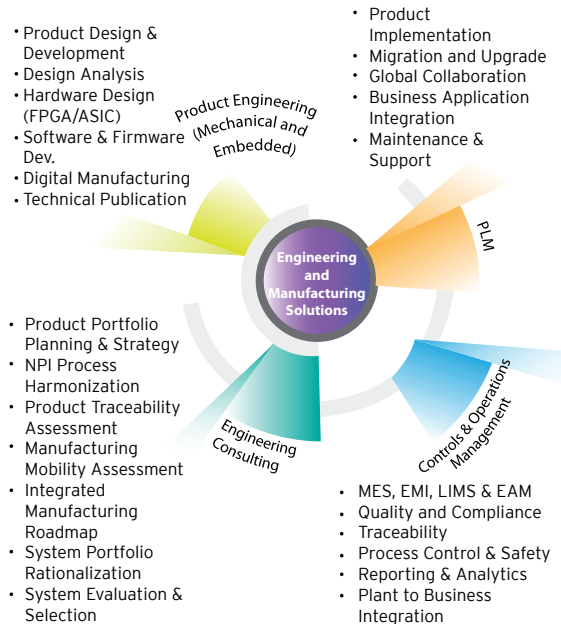
In today's competitive world manufacturers are faced with conflicting objectives of enhancing flexibility in operations while simultaneously driving down costs. There is limited or no scope for inefficiencies in internal and supply chain operations. To remain competitive and grow in today's environment, you must find ways to improve and innovate continuously across product innovation, engineering development, and manufacturing.

In today's time, business excellence depends on complete alignment between the core manufacturing operations, engineering processes, the larger enterprise planning and collaboration processes. This makes real-time synchronization between plant floor and enterprise systems an absolute necessity.

Engineering and Manufacturing Solutions

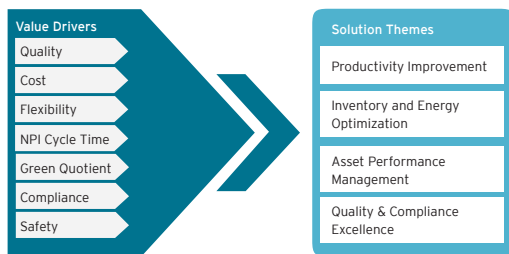
As manufacturers seek to achieve Engineering and Operational Excellence, Cognizant's Engineering and Manufacturing Solutions (EMS) practice is well positioned to partner with its customers in their transformational initiatives. Leveraging our Global Presence we can deliver end-to-end solutions across all functions, consistently, predictably and cost effectively, no matter where your operations are around the world.

With a strong pool of over 1500 associates, EMS addresses the core domains of manufacturing value chain right from conceptualization, product design through product manufacturing. Our group helps customers in bringing their products faster to market and also realize the benefits of collaborative manufacturing by enhancing and integrating shop-floor, enterprise and product life-cycle systems. We have made significant investments in developing competencies and solutions that address clients engineering & product lifecycle needs across the "Design Through Production" lifecycle.



Cognizant's EMS practice facilitates a collaborative manufacturing ecosystem. The key to realize this objective is the Manufacturing Solution Center, a state-of-the-art R&D lab which functions as Sand-box replicating real time scenarios in a lab environment. A team of technology and industry experts perform industry-leading R&D work building cutting-edge solutions for industry / customer specific scenarios.

Solution themes are aligned with key value drivers of the industry, including enabling productivity improvements, optimizing inventory, maximizing asset performance characteristics and driving compliance excellence. In partnership with leading product vendors like Invensys, Cognizant offers its customers integrated solutions that span across the layers of manufacturing systems hierarchy (L1,L2...).



Your Right Partner: One - Stop Shop for Industry Needs

Our service portfolio is directed at facilitating our customers to run, grow and transform their business. We offer broad range of services right from strategic consulting to product engineering till systems support and maintenance. We serve multiple industries with offerings spanning across industries that include Automotive, Oil & Gas, Utilities, Pharma, Food and Beverages, Specialty Chemicals, Consumer Electronics and Hi-Tech.

EMS experts work with our customers to realize full potential of the investments made in manufacturing systems through composite solutions, facilitating information exchange and eliminating redundancy.

Our proprietary solutions are value enhancing, pre-built, component-based frameworks that leverage industry best practices and standards. They can help you control costs, increase productivity and enhance customer service. We can be your one stop shop for tailor made solutions to the most pressing manufacturing challenges.

Customer Success Stories

- Developed device drivers, device type managers and device descriptors using industry standard protocols for a Leading Global Automation Player
- Bend Table Automation in CATIA using CAA for a German Automobile Manufacturer
- Developed standalone Serving Mobile Location Centre (SMLC) for a leading Mobile Networking Equipment Manufacturer
- DVR portability solution (to copy content from DVR Hard disk to remote player devices) for Leading cable service provider in US

Product Engineering (Mechanical & Embedded)

- Enovia upgrade from V6R2009x to V6R2011X, Integration and Support services for advanced applied technology company for Oil and Gas industry
- Developed a product data management system in Teamcenter engineering for Leading producer of premium passenger cars
- Integration of Windchill and Oracle application and end to end Windchill support for a leading Industrial Equipment Supplier

Product Lifecycle Management

Engineering Consulting

- Agile PLM Consulting for a leading toy maker
- Business plan and product roadmap definition of Asset Management suite for a global industrial automation player
- MES Feasibility Analysis and Implementation Roadmap for a Beverage Major


Controls and Operations Management

- Shop floor to top floor integration for leading US based film rolls and sheets manufacturer
- MES enhancements and support for a Fortune 50 Consumer Goods Company
- Engineering and manufacturing support to SW/ HW components of DCS/ SCADA product line for a Leading global automation player

About Cognizant

Cognizant (NASDAQ: CTSI) is a leading provider of information technology, consulting, and business process outsourcing services, dedicated to helping the world's leading companies build stronger businesses. Headquartered in Teaneck, New Jersey (U.S.), Cognizant combines a passion for client satisfaction, technology innovation, deep industry and business process expertise, and a global, collaborative workforce that embodies the future of work. With over 50 delivery centers worldwide and approximately 111,000 employees as of March 31, 2011, Cognizant is a member of the NASDAQ-100, the S&P 500, the Forbes Global 2000, and the Fortune 500 and is ranked among the top-performing and fastest growing companies in the world.

Visit us online at www.cognizant.com for more information.

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