



# Manufacturing Solutions



Manufacturing industry is becoming a truly global business with networked supply chains, distribution systems and customer channels. There is a rapid evolution in business models: from the traditional B2B to B2B2C. As the manufacturing industry is driven by the need for simplification, usage based business models, mass customization, global regulatory compliance and the concept of one manufacturing and marketing, there is intense focus on driving differentiation through product innovation and better customer experience.

Tata Consultancy Services (TCS') Manufacturing Solutions help businesses meet enterprise requirements from product engineering to customer sales, and from the shop floor to the top floor. We help several Fortune 500 manufacturers across the automotive, chemical, industrial machinery, and aerospace and defense industries build stronger global businesses through our experience and expertise.

## Overview

In order to operate globally, manufacturers need to revamp their design, engineering, marketing, and distribution processes. Production and distribution channels need to be quickly set up in new markets. Disparate enterprise processes and systems have to be standardized for better productivity. Supply chains need to be more collaborative, cognitive, and transparent, and processes have to comply with regulatory requirements.

While ensuring that the challenges are effectively addressed, manufacturers need to find ways to optimize costs, and create competitive advantage by providing a differentiated customer experience in the midst of a volatile economic climate.

With TCS' Manufacturing Solutions, powered by digital technologies, we help businesses build globalized business solutions and processes by leveraging our unique three-dimensional services model.

We provide new product innovation, supply chain transformation, manufacturing operations excellence, and customer experience management services across the value chain. We offer business process, infrastructure, application development and maintenance, engineering, digital reimagination, and enterprise solutions-based transformation services to enterprises. TCS helps build agile and adaptive organizations by ensuring enterprise systems and plant floor integration.

## Benefits

We help manufacturing companies:



### Standardize processes

Harmonize multiple disparate enterprise process and systems to reduce complexities and redundancies.



### Establish an insights driven enterprise

Integrate data from across the global enterprise to gain business insights through our analytics solutions.

## Our Solution

We deliver a full range of manufacturing solutions including:

### ■ Business solutions

We enable you to align enterprise processes with your business objectives, and provide in-depth support across the value chain. We combine advanced manufacturing methodologies with meaningful business analytics to help you strengthen collaboration and improve productivity.

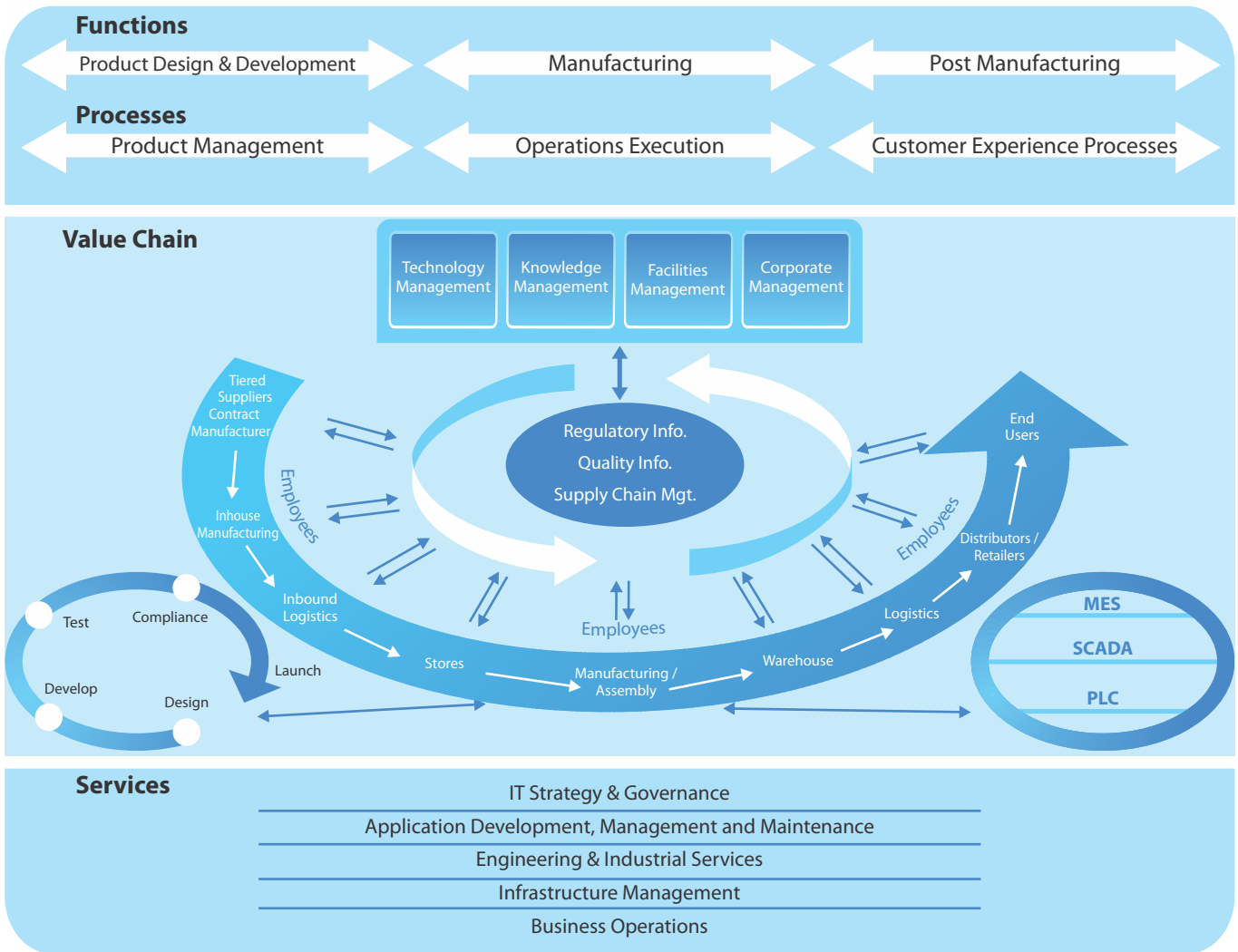
### ■ Technology solutions

We help you choose the right technology to digitalise your global business processes and operations for greater agility and efficiency. Our next generation solutions extend across Big Data management, connected marketing, social media and listening services, and mobility.

### ■ Business operations

We leverage cross-vertical domain expertise and a unique Global Network Delivery Model™ to offshore your resource-heavy infrastructure, non-core, and knowledge processes.

### Three Dimensions of TCS Services in Manufacturing



## The TCS Advantage

### Forward-looking solutions

Our offerings, including advanced platforms for automotive telematics and infotainment, mobile solutions for remote customer support, and analytics that merge market intelligence with social media data, enable manufacturers to continuously improve performance, and drive business value.

### Complete horizontal coverage

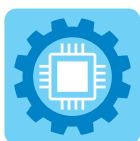
We provide solutions that stretch across the entire manufacturing lifecycle from product engineering, to supply chain management, logistics, distribution, and sales.

### End-to-end vertical reach

Through a unique shop floor to top floor model, our solutions help transform not only plants and factories, but also administrative, CRM, and other top floor systems.

### Domain expertise

Our domain and industry knowledge, coupled with strong vendor alliances, enables us to provide a variety of IT solutions ranging from engineering services, to application development and management, and IT strategy and governance.



### Reimagine business

Reimagine business with IT-enabled solutions such as digital enterprise processes, lean manufacturing, and remote infrastructure management, and business operations.



### Build agile and adaptive enterprise value chain

Re-engineer complex supply chains for greater visibility and collaboration using our Integrated Manufacturing Enterprise Process Model — a proprietary model inheriting the best of industry standards such as SCOR, MESA, and APQC, and defining pull-based value chains from the customer to the supplier.

## Awards & Recognition

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### To know more

Visit the [Manufacturing](#) page on [tcs.com](#)  
Email: [manufacturing.solutions@tcs.com](mailto:manufacturing.solutions@tcs.com)

### About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at [www.tcs.com](#)

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