Supply Chain Management
TCS’ Manufacturing SCM Solution Suite

Solution Accelerators

SCM Center of Excellence

SCO-based Process Models and Analytics framework

Tools and Frameworks
(Diagnostics tool kit, PO Matrix, SCOR-based Metrics, VSM tool kit, Kanban kit, Questionnaire templates)

Supply Chain Business Processes

Supply Chain Planning, S&OP

Forecasting, Sales and Marketing

Sourcing and Procurement

Manufacturing/Shop-floor Management

Order Management

Delivery and Logistics Management

Supply Chain Execution and Monitoring

Program Management

Enterprise Change Management

Risk Management

Performance Management

Continuous Improvement

Services

Consulting, Program Management, BPR, Process Harmonization

ADM and Package Implementation

Enterprise Analytics

Supply Chain BPO
TCS’ Integrated Offerings in the SCM Space

**Services Competencies**

**Business Consulting Services**
- Global SCM Strategy and Roadmap
- Supply Chain Transformation
- Network Optimization
- Business Process Reengineering

**Technology Solutions**
- Package Evaluation and Selection
- Implementation, Integration and Upgrades
- Custom Application Development
- Joint R&D/Proof of Concepts

**Outsourcing**
- SCM Process Outsourcing (BPO/KPO)
- Application Outsourcing and Support
- Integrated Business Services/3PLs
- Performance Management and Analytics

**Function/Process Domains**

**Plan**
- SC –IT Strategy and Technical Planning
- Sales and Operational Planning
- Advance Planning and Scheduling

**Source**
- Process Harmonization
- Demand Planning and Forecasting
- Inventory Management and Optimization
- CPFR- Collaborative Planning, Forecasting and Replenishment

**Make**
- Supply Chain Intelligence
- Enterprise Asset Management
- Manufacturing Execution System
- Lean and TOC enablement
- RFID Implementation

**Deliver**
- Distribution Network Strategy and Planning
- Logistics and Network Optimization
- Warehouse and Yard Management
- Order Management and Fulfillment

**Return**
- Source Return Logistics
- Deliver Return Logistics

**Manufacturing Industry Footprint**

- Automotive
- Aerospace
- Process
- Industrial
SCOR-based Supply Chain Assessment

- Porter’s Model - Industry Analysis
- SWOT Analysis
- Key Stakeholder Analysis

- Supply Chain Identification
- Supply Chain Prioritization
- Supply Chain Performance Attributes

- Process Mapping/Modeling
- AS-IS Process Understanding
- Supply Chain Benchmarking

- Prioritized, Ranked and Detailed Recommendations
- Transaction Analysis/Defect Analysis
- Process Mapping/Modeling
TCS helps establish “One Plan” through its S&OP Model driven by scenario building capability for the entire value chain, laying the foundations for enterprise-wide supply chain transformation.

**Our Offerings**
- S&OP Maturity Assessment
- Re-engineered S&OP
- S&OP Digitization
- Application Evaluation and Deployment

**Your Benefits**
- Business Agility
- Unison Across Functions
- “What if” Scenario Analysis
- Pull-based Planning

**Outcome**
- Reduced Inventories
- SLA-based Performance
- Plan to Promise Capability
- Lead Time Reduction

**Our USP**
- LEAN Experience
- SC Transformation Model
- Alliance with Key Vendors
- Domain S&OP Expertise

**Customer Experience:**
TCS has developed and deployed a sound S&OP model for a Fortune 100 Automotive Player that facilitates the establishment of SLAs across the business functions to manage the exceptions in reaching the business objectives.
Sourcing Assessment and Implementation

Support in global sourcing, procurement and supplier quality assurance activities including Spend Analysis

Strategic Sourcing & Supplier Quality Assurance Services & Global Sourcing Program Management

TCS Sourcing Solutions helps customers achieve substantial savings and assists in development of robust supplier base.

Our Offerings
- Supplier Portfolio Management
- Facilitating QMS/OEM Certification and Compliance Audits
- Zero-based “should costing”
- Supplier Development and Performance Improvement

Your Benefits
- Collaborative Supply Network
- Increased Speed of Development

Outcome
- Reduced TCO
- End-to-end Services from Design and Prototype to Volume Production Support

Our USP
- RFQ Management and Price Finalization
- Development of Pre Production Lot (FAI/Sample/Pilot)
- Logistics and Quality Support

Customer Experience:
For a leading global player, TCS helped in supplier identification and screening, supplier evaluation and selection and full production and continuous Improvement support to improve sourcing as a process and finally reduced the total cost of operations in the value chain.
Supply Chain Transformation

Squeeze Cost out of the Supply Chain by building a Collaborative Value Stream

Drive improvements in ‘Throughput’ and ‘Flow’ in the value chain to improve inventory turns and perfect orders

TCS helps transform your Supply Chain using LEAN & 6 Sigma process principles to establish cost leadership by driving away muda in terms of inventories & lead times while enhancing competitiveness thru agility & flexibility.

Our Offerings
- Supply Chain/Plant Assessment
- SCM Process Reengineering
- LEAN Charter Definition
- Supply Chain Audit

Your Benefits
- Improved S&OP Capability
- Agile/Flexible Response
- Pull Based Planning
- LEAN/JIT Capability

Outcome
- Reduced Inventory
- On Time Delivery
- Perfect Order Execution
- Reduced Logistics Costs

Our USP
- LEAN SCM Model
- Value Stream Mapping Tool
- Theory of Constraints Toolkit
- Six Sigma Solution Capability

Customer Experience
For a leading US-based industrial & automotive engine manufacturer, TCS conducted a global plant assessment across NA, Europe, China & Latin America to define a standard supply chain process framework and a technology stack to drive the same. Built around LEAN principles several programs as Plan for Every part, One Day Firm, Deliver on Demand were launched to drive down inventories.
Enterprise Supply Chain Analytics

Enabling Intelligent Decision Making Capacity Across the Enterprise Value Chain

Create Intelligent Insights into Enterprise Excellence - Execution Quality, Cost and Time

TCS helps build a single view of the enterprise value chain performance - integrating the Shop Floor Operations with the Supply Chain Decisions to deliver to Board Room expectations

Our Offerings
- Dashboard Design
- Supply Chain Analytics
- Predictive Analytics
- Sales, Service & Warranty Analytics

Your Benefits
- Operations Visibility
- Discovery & Analytics
- Performance Management
- Metrics Driven Collaboration

Outcome
- Reduced Operations Cost
- Perfect Order Execution
- Quality Compliance
- LEAN Value Chain

Our USP
- Value Chain Analytics Model
- Industry Process Models
- BI Framework & Alliances
- Key Metrics Framework

Customer Experience
TCS has developed and deployed an integrated Business Intelligence framework across the supply chain - covering manufacturing, services and warranty. The model is designed to be scalable and to include other value chain functions in a phase-wise plan.
## Warehouse and Logistics Management

### Optimize Your Warehousing & Logistics Network Capability

**Build a Responsive Warehousing & Logistics Network to feed your Value Chain**

TCS helps organizations to define a LEAN Warehousing & Logistics Value Chain to drive down costs of inventory, improve network throughput and crash lead times through innovative pull-based process design & ToC solutions.

### Our Offerings

- LEAN Process Modeling
- Product Evaluation
- Application Blueprinting
- Development and Rollout

### Your Benefits

- Network Optimization
- Supply Management
- Inventory Management
- Distributed Global Order Management

### Outcome

- Reduced Operations Cost
- Improved Network Throughput
- Reduced LEAD times
- Lower Cycle Time
- SLA Compliance

### Our USP

- Value Stream Mapping
- Analytics Capability
- SCM Transformation Skills
- Deep domain knowledge
- Alliances and Tools

### Customer Experience

TCS evaluated the warehousing and network requirements of a large US-based player facing the risk of rapid parts obsolescence. A standard process was redefined to cut the waste out of the network, a product evaluation was conducted to get the best fit and a To Be Model was recommended.
Global Distributed Order Management

Enabling Organizations for Global Inventory Visibility and Order Promising

Enhance your Supply Chain Network Throughput Leveraging the Power of IT Application Integration

TCS helps organizations to integrate disparate operations and systems through a structured EAI platform to create global inventory visibility and order promising capability.

### Our Offerings
- Assessment
- Solution Conceptualization
- System Architecture
- Development and Rollout

### Your Benefits
- Global Inventory Visibility
- Global Order Fulfillment
- Supply Chain Collaboration
- Customer Satisfaction

### Outcome
- Reduced Inventory Cost
- Increased Order Fill Rate
- Increased Market Share
- Optimized Networks

### Our USP
- Order Management Model
- Network Optimization Model
- Strong EAI Skills
- Key ERP Product Alliances
- Global Footprint for Rollout

### Customer Experience
TCS has developed and deployed Global order Management system integrating Legacy and Oracle applications for a large customer. The solution has enhanced the customer’s ability to globally plan, allocate, promise and deliver products across geographies seamlessly and efficiently.
Supply Chain Transformation Framework

Assessment

Supply Chain Assessment Framework

Transformation Framework

Supply Chain Configuration Analysis

Strategic Alignment and Formulation

Solution Design

Management Levers
- Program Management
- Change Management

Transformation Levers
- People
- Process
- Technology

Executive sponsor, Business Manager

Improved Supply Chain processes

Better Performance Measures

Outcome

Benefit Framework

IT Enablement

Transformation Charters

Sustenance Framework

Supply Chain Strategy Framework
Supply Chain Transformation Framework

TCS’ Supply Chain Operations Process Excellence (SCOPE™) Model

TCS Solution Intelligence Logical Data Model

Making a Difference---
- Six Sigma Execution Framework
- LEAN-enabled Solution Charters
- Industry Standards Aligned Model
- Strategic Technology Alliances
- Supply Chain Center of Excellence
- Established footprint for global rollout
- Technology Agnostic IT framework

---To Your Business
- ‘Pull-driven’ Planning
- Inventory Turns Improvement
- Enhanced Throughput
- Improved Asset Utilization
- Direct & Indirect Cost Reduction
- Quick Payback Projects - Self - funding
- Higher Customer Satisfaction

TCS Supply Chain Management and Transformation Solutions

Your Company
Thank You