

TECH
mahindra

BROCHURE

Engineering supply chain management with

 **iSCAN^{pro}** accelerator



Engineer Your NXT.NOW™

Abstract

In a globalized economy, large organizations source input materials or components across the world, leading to a complex supply chain. Tech Mahindra helps conceptualize and streamline operations of original equipment manufacturers (OEM) across multiple geographies and vendors by providing end to end offerings and digital solutions to help create robust anti fragile supply chains.

With cloud-based engineering and supply chain web platforms, customers can now make better decisions based on real-time analysis and status with a partner like Tech Mahindra.

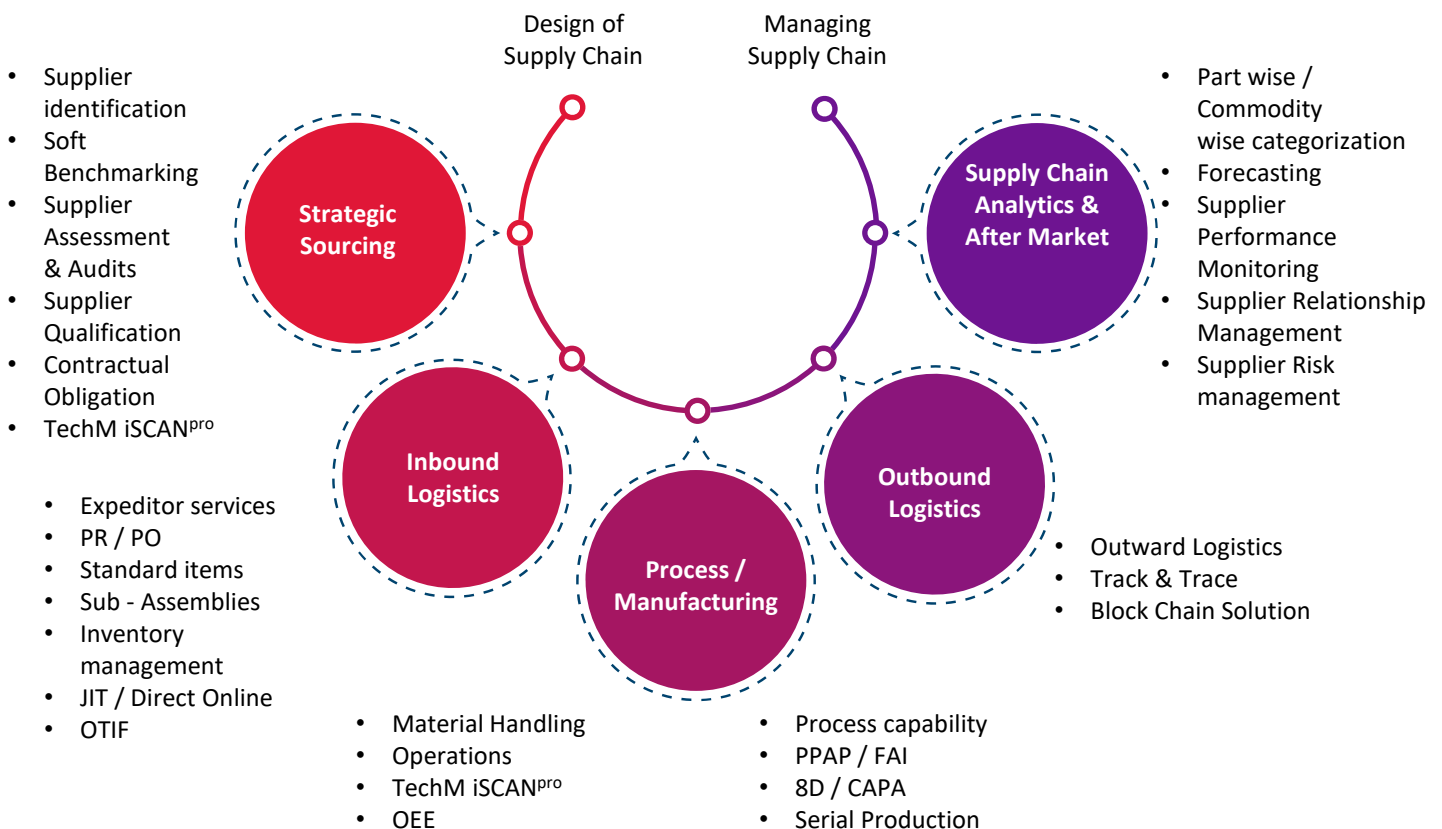
Introduction

Our digital supply chain offerings are a comprehensive set of technology, tools, experiences, methodology and services – including real-time visibility and interactions, benchmarking, and maturity assessments to digitally transform and integrate your supply chain.

Tech Mahindra is uniquely positioned to provide intervention and assistance across supply chain through people, process and technology in innovation, design, procurement, manufacturing, and after-sales service.

Our Solutions

Tech Mahindra supply chain solutions cater to various industries in Design and Managing supply chains and provide decision making support through Supplier analytics solutions.



Transactional Services:

Transactional supply chain:

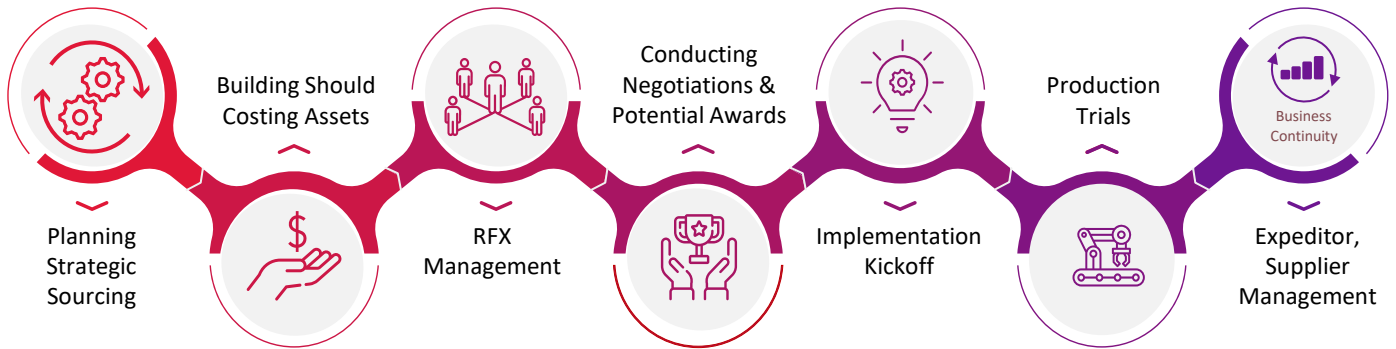
- ▶ Chronic Supplier Management
- ▶ Fill Rates
- ▶ In-direct sourcing
- ▶ Logistics Coordination

Analytics:

- ▶ Supplier Score card
- ▶ Spend analysis
- ▶ Data analytics
- ▶ Capacity Analysis
- ▶ Supplier Portal Enhancement

Scale and Replicability

- ▶ 200+ Sourcing engineers
- ▶ Sourcing spends covered - \$6 Bn per year
- ▶ \$3.6+ Bn Spend in progress for 3 customers
- ▶ 600+ Supplier audits conducted
- ▶ 11,000+ Supplier database
- ▶ 2000+ E & E supplier database
- ▶ E & E sourcing spend covered - \$2 Bn per year
- ▶ 40,000+ FAI plans created and published



Supply Chain Accelerator - TechM iSCAN^{pro}

Tech Mahindra's TechM iSCAN^{pro} (integrated engineering supply chain automation platform) will enhance Source-to-Pay process across Category Management, RFX Automation, Supplier Evaluation, Providing overall visibility on supplier selection process, Supplier Development methodology and Supplier Quality Management.

Highlights:



- ▶ RFX Automation
- ▶ 8 Modules and 50+ templates
- ▶ Supplier recommendation based on best cost
- ▶ Automated Supplier Assessment
- ▶ Supplier development planning and monitoring
- ▶ System for Supplier Quality documentation submission and approvals

Benefits:



- ▶ ~50% reduction in time for the supplier onboarding process
- ▶ 360° visibility of supplier performance with qualitative and quantitative scorecards
- ▶ Up to 15 % savings through improving supplier collaboration and better decision making
- ▶ Approximately 50% reduction in manual efforts as compared to traditional supply chain
- ▶ Real-time data insights to track and monitor supplier performance to reduce costs and minimize risks



Use cases

Aerospace and Defence



Strategic Sourcing

- ▶ 22,000+ products developed across 5 continents – North and South America, Europe, Asia Pacific, and Africa. Deployed bilingual resources in 12 different countries
- ▶ Product segments – Fabrication, Machining, HT, Surface coatings with materials like Al., Tn., Carbon steel and Stainless steel
- ▶ End-to-end ownership of strategic sourcing for 5 Years from assessment, audit, PFEP, risk assessment and FAI for streamlining the entire supply chain management from NPD to production ramp-up

Transportation



Locomotive Casting Sourcing

- ▶ Developed alternate suppliers for European Locomotive manufacturer in India
- ▶ Up to 5% cost reduction by industrializing at local India supplier
- ▶ De-risking by alternative sourcing in India from China
- ▶ Reduced average logistics time by approx 30 days

Industrial



End to End Product Development

- ▶ Developed chip bag formers of various sizes for Indian, US and UK based production lines through detailed understanding of as-is formers, re-designing, should costing and global sourcing
- ▶ Achieved 27% cost reduction through establishing FAI, machine inspection at vendor location, standardize production, at plant and conducting trails at plant
- ▶ Developed hybrid design to reduce weight by 50% and cost by ~45%

Automotive



Should costing and Sourcing support

- ▶ Achieved overall \$5mn saving through should-costing and low-cost sourcing for EPS connector, SDM bracket, inverter benchmarking and media hub
- ▶ Supported in getting actual cost through should costing and sourcing support
- ▶ Developed cloud base portal for data management
- ▶ 200+ benchmarking models
- ▶ Proto development support through 3D printing for multiple concept

Tech Mahindra NXT.NOW™ Advantage

SMEs and Engineers: **250+** having strong expertise in multiple commodities like machining, sheet metal, plastics, castings

Delivery Excellence : **300+** projects with strong manufacturing background executed. Handled **\$ 11 Bn** worth product value in product cost management

Database and Software: **11,000+** vendor base support to propose best cost country. Developed should asset across 25 countries

Experience: **15+** years of experience in executing projects for built to print, built to specification, physical units and virtual models

Savings: **\$2 Bn** realized savings through product cost management; **\$ 225+ mn** direct savings to customers

Materials and Processes: Exposure to ferrous and non-ferrous metals, composites, plastics, castings and additive manufacturing

About Tech Mahindra Engineering

Tech Mahindra's Integrated Engineering Solutions (IES) delivers solutions enabling "Digital Engineering Enterprise" across aerospace and defense, automotive, industrial, telecom, healthcare, energy & utilities and ISVs. With 50+ exclusive global engineering centers supporting new program launches and 350+ active global customers, Tech Mahindra IES is an established leader for Engineering Services in the industry.

Tech Mahindra delivers exponential value to engineering enterprises by collaborating with them across three key tenets: **robust products, ubiquitous platforms and cyber factories**. The vision for Tech Mahindra engineering is founded on the new digital economy considering emerging market trends like digital engineering, intelligent workplaces, adoption of tele-everything, end-to-end connected and immersive approach covering smart manufacturing and the need for an overall resilient business framework.

We call this approach of **accelerating** outcomes, **inventing** better products and **transforming** businesses into digital as - Engineer Your NXT.NOW™

Ready to discuss how TechM iSCAN^{pro} can help your business?

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