What is MiNE iRSC

(iNtelligent and Reconfigurable Supply Chain)

Procurement Insights

Insights driven procurement dashboards for internal performance benchmarking & controlling maverick spend

Digital Supply Chain

- Data analytics
- Industry 4.0
- Smart operations
- Additive manufacturing
- Visibility
- Digital twins

 $\label{thm:continuous} \mbox{Digitalization for Sustainable Development}$

Supply Chain Transparency

Premium Freight Prediction

Predictive Analytical Model based on Machine learning for Premium freight prediction

Sustainable Supply Chain

- Nature and environment
- Society
- Resource efficiency
- Human factors
- Secure global food supply
- Environmental footprint

Real-Time Disruptions Detection and Resilience Control

Visibility for Resilience

Reconfigurable Supply Chain Network

> Sustainable and Efficient Operations

Balancing Profitability
And Sustainability

Resilient Supply Chain

- Stress-testing
- Proactive protection against disruptions
- Disruption preparedness
- Recovery planning
- Contingent plans
- Early warning procedures
- Redundancy optimization

Resileanness: Resilient + Lean

Balancing Profitability and Resilience

Supplier Risk Insights Management

Evaluate Supplier risk scores by assessing supply chain vulnerability impacted by unforeseen supplier disruption

Efficient Supply Chain

- Cost efficiency
- Responsiveness
- Agility
- Flexibility
- Profitability
- Waste reduction
- Value-adding

Part Classification

AI-ML based Part Classification by UNSPSC code of material data across enterprise



Supplier Risk Insights Management

Increased supply chain disruptions, natural or man made, causing short- and long-term fulfillment and stability issues needs on Industry specific, Contextual, Smart Risk Management solution to remain resilient.

TCS Solution Capabilities



Predict **RISK**

Operational, Financial. Natural Disaster



Generate **RISK INDEX** Supplier, Geo





Recommend **MITIGATION**



Collaborate **RISK RESOLUTION**

SMART RISK MANAGEMENT

Solution Feature

- Pre-built risk scenarios
- AI-ML driven, cloud based
- Pre-built APIs for seamless ERP connections
- N-Tier supplier visibility
- Collaboration platform
- Financial risk powered by industry leading sources

Business Benefits



Reduction in SC disruption cost

>20%

Improvement in supply chain visibility



Reduction in risk response cycle time