# DIGITAL
## SUPPLY CHAIN MANAGEMENT

# SUPPLY CHAIN INDUSTRY
## FOCUS AREAS

**Supply-Demand Mismatches**
might delay the Shipments

**8**

**1**

**Lack of Visibility**
in Supply Chain Disruptions

**Right Sourcing**
**Decisions**

**7**

**2**

**No Visibility**
of PO Status

**Low Control**
on Material Movements

**6**

**3**

**Overstocking**
of Inventory

**Fragmented**
**Data**

**5**

**4**

**High Rush Order**
Spent & Premium Shipment
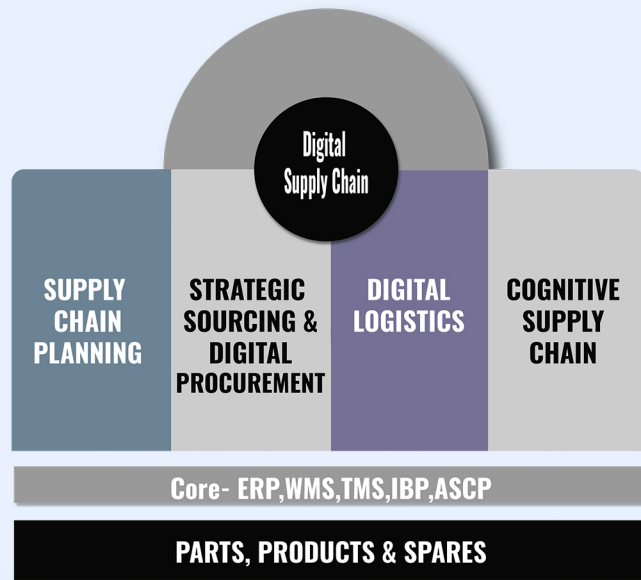
# TechM Digital Supply Chain Portfolio of Solution

## OBJECTIVE

- Optimization through Industry 4.0 capabilities.
- Address the gaps in packaged software
- Cloud/ Subscription based solutions Complement existing IT landscape

**Digital Supply Chain**

| SUPPLY CHAIN PLANNING | STRATEGIC SOURCING & DIGITAL PROCUREMENT | DIGITAL LOGISTICS | COGNITIVE SUPPLY CHAIN |

Core- ERP,WMS,TMS,IBP,ASCP

**PARTS, PRODUCTS & SPARES**

## SUPPLY CHAIN PLANNING & DESIGN

### OUR OFFERING

- Niche tested & proven AI algorithms for design & planning
- SaaS model solutions
- Bespoke planning optimization engines complementing ERP & Enterprise Planning Suites

### SOME OF THE KPIS ADDRESSED

- Forecast Accuracy
- Right Inventory and Service Levels for Each Product at each Location
- Inventory Cost
- Factory/Warehouse/DC utilization

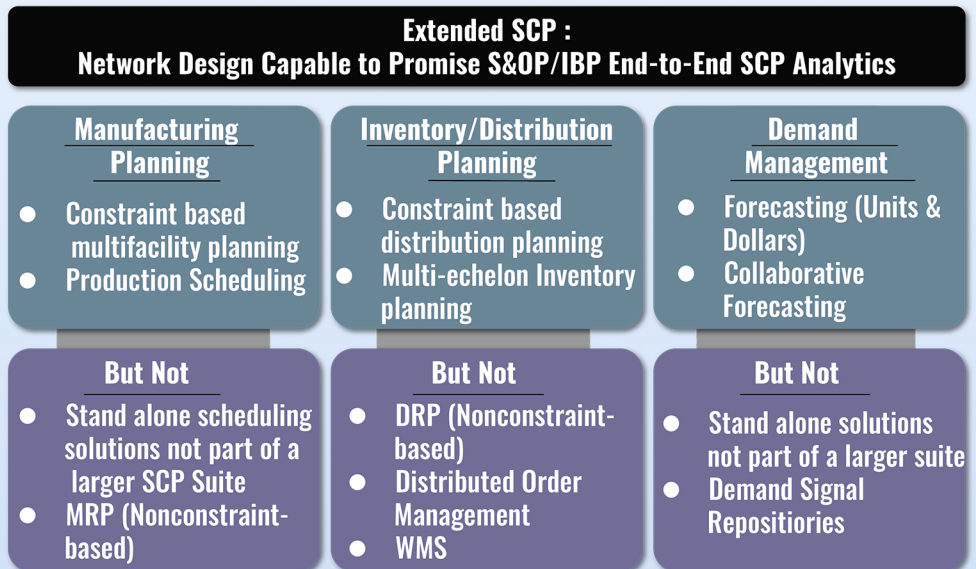## STRATEGIC SOURCING & DIGITAL PROCUREMENT

### OUR OFFERING

- Assessment & Consulting on Cost optimization
- Engineering services on product optimization
- AI/ML optimizations and analytics
- eProcurement solution implementation
- Sourcing & Procurement Process Automations

### SOME OF THE KPIS ADDRESSED

- Supplier Compliance rate
- PO accuracy & cycle item
- Rate of emergency purchases
- Supplier lead time
- Cost per invoice and PO
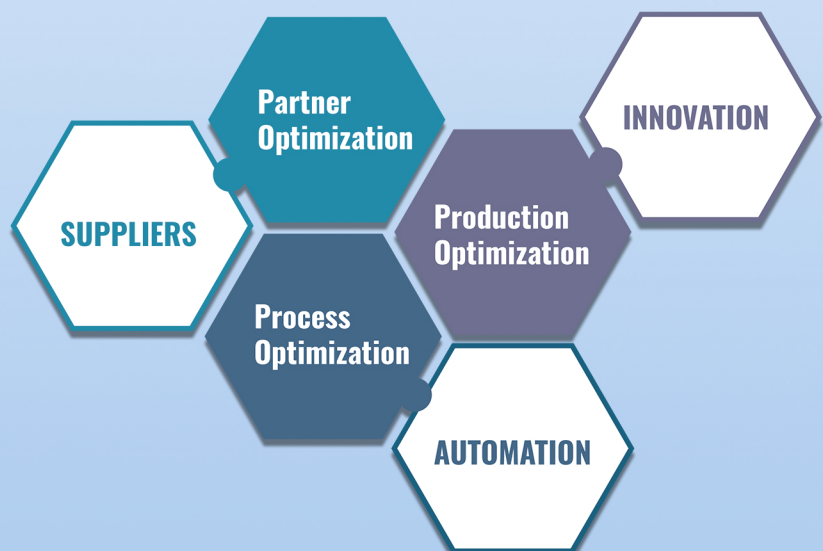- Spend under management (SUM)
- Price Competitiveness

## SOLUTION LANDSCAPE
### The Supply Chain Planning Application Stack

**Extended SCP :**
**Network Design Capable to Promise S&OP/IBP End-to-End SCP Analytics**

**Manufacturing Planning**
- Constraint based multifacility planning
- Production Scheduling

**But Not**
- Stand alone scheduling solutions not part of a larger SCP Suite
- MRP (Nonconstraint-based)

**Inventory/Distribution Planning**
- Constraint based distribution planning
- Multi-echelon Inventory planning

**But Not**
- DRP (Nonconstraint-based)
- Distributed Order Management
- WMS

**Demand Management**
- Forecasting (Units & Dollars)
- Collaborative Forecasting

**But Not**
- Stand alone solutions not part of a larger suite
- Demand Signal Repositiories

## SOLUTION LANDSCAPE
### Optimization levers

- Partner Optimization
- INNOVATION
- SUPPLIERS
- Production Optimization
- Process Optimization
- AUTOMATION

# DIGITAL LOGISTICS

## SOLUTION LANDSCAPE
### Warehouse & Logistics



- Warehouse Automation
- Transportation optimization
- Track and Trace
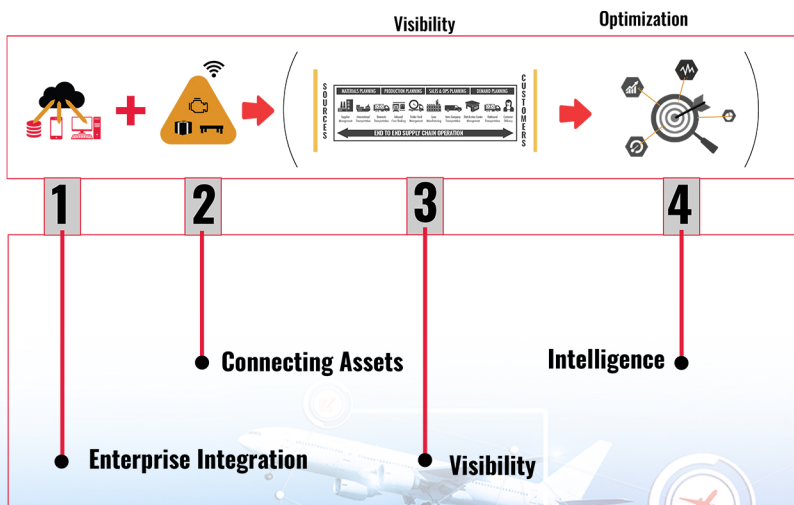- Logistics Control tower

## OUR OFFERING

- Packaged software implementation
- Proven AI/ML optimizations solutions
- Traceability solutions – consulting & implementations

### SOME OF THE KPIS ADDRESSED

- Order cycle time
- Perfect orders
- Inventory accuracy
- Shipping accuracy
- Inventory carrying cost
- On-time delivery

# COGNITIVE SUPPLY CHAIN FRAMEWORK

## FRAMEWORK



Visibility    Optimization

1    2    3    4

2 — Connecting Assets
4 — Intelligence
1 — Enterprise Integration
3 — Visibility

## OUR OFFERING

- Light cloud based data and optimization solutions – extensive use cases
- New data models extending SOR (system of records)
- New capabilities of SOD (system of differentiation) & SOI(System of Innovation)