IDC Manufacturing Insights: Technology as a Service (TOVC)

Strategic Priorities	Programs	Use Cases				
Digital Supply Chain	Capabilities-Based Procurement	Sourcing Intelligence	Supplier Network Management	Automated Kanban	One global profitable proximity	Supply Orchestration
	Synchronized Planning	Demand and Consumption Signal Insight	Inventory Intelligence	Thinking Supply Chain	Supply Chain Resilience	Digital Fabric
		Voice-Based Data/Report Queries	Iterative Collaboration			
	Logistics Automation	Smart Warehousing	Transportation Optimization	Global Trade Automation	Document Automation and Management – Supply Chain	Carbon Tracking & Footprint Management – Supply Chain
Smart Manufacturing	Strategic Asset Management	Asset Instrumentation	Centralized Asset Monitoring and Diagnostics	Augmented Maintenance	Asset Performance Management	Autonomous Asset Tracking
		Document Automation and Management – Factory/Operations	Carbon Tracking & Footprint Management – Factory/Operations			
	Resilient Lean	Yield Management	Resource Management	Optimized Materials Consumption	Operational Health and Safety	Make-to-Availability
	Comprehensive Quality	Manufacturing Intelligence	Cognitive Root Cause	Risk and Compliance	Process Performance Feedback	
Digital Channels	Channel Engagement	Intelligent Warranty Resolution	Intelligent Marketing Relevance	Multi-Tier CPQ	Product Retirement/Recycling	
	Connected Service	Application Store Platform	Remote Management	Augmented Service Execution	360-degree Connected Customer Management	
	Communities	B2B Service Innovation Marketplace	Customer Value Validation	Edge Intelligence	Collaborative Self-Support	
Digital Innovation	Innovation Platform	Model-Based Design	Collaborative Development	Advanced Digital Simulation	Shared Ecosystem Knowledge	Deployable Digital Twin
	Omni-Source Engineering	Bill of Features	Configure to Order	Case-Based Learning		
	Life-Cycle Analytics	System Engineering Validation	Real-Time Quality and Compliance	Cost Analysis	Intelligent Configuration and Personalization	

Technology as a Service (TOVC) Digital Roadmap

HORIZON 1

- Document Automation & Mgmnt. – Factory/Operations
- Document Automation & Mgmnt – Supply Chain
- Supply Chain Resilience
- Intelligent Warranty Resolution
- Shared Ecosystem Knowledge
- Sourcing Intelligence
- Supplier Network Mgmnt.
- Transportation Optimization
- Bill of Features
- Model-Based Design
- Inventory Intelligence
- Process Performance Feedback
- System Engineering Validation
- 360-degree Connected Customer Management
- Resource Management
- Asset Instrumentation
- Asset Performance Management
- Application Store Platform
- Customer Value Validation
- Operational Health and Safety
- Risk and Compliance
- Yield Management

HORIZON 2

- Make-to-Availability
- One global profitable proximity
- Collaborative Development
- Intelligent Configuration/Personalization
- Supply Orchestration
- Configure to Order
- Smart Warehousing
- Product Retirement/Recycling
- Deployable Digital Twin
- Advanced Digital Simulation
- Remote Management
- Carbon Tracking and Footprint Mgmnt – Supply Chain
- Cost Analysis
- Real-Time Quality & Compliance
- Multi-Tier CPQ
- Augmented Service Execution
- Augmented Maintenance
- Demand and Consumption Signal Insight
- Manufacturing Intelligence
- Collaborative Self-Support
- Intelligent Marketing Relevance
- Centralized Asset Monitoring & Diagnostics
- Autonomous Asset Tracking
- Global Trade Automation
- Automated Kanban
- Carbon Tracking and Footprint Mgmnt – Factory/Operations
- Optimized Materials Consumption
- Voice Based Data/Report Queries

HORIZON 3

- Cognitive Root Cause
- Case-Based Learning
- Thinking Supply Chain
- Edge Intelligence
- Iterative Collaboration
- Digital Fabric
- B2B Service Innovation Marketplace