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DSC Logistics is a leader in transforming logistics and

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the business goals of Fortune 500 and other dynamic

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marketplace where shippers and carriers deal directly without

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NeoGrid provides supply chain management solutions that

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to existing systems—making more intelligent and flexible

supply chains to continuously improve the flow of goods.

brokers. Shippers lower freight and operational costs, while

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John Galt Solutions......19

Daniel Klitgaard

klitgaard@johngalt.com

John Galt Solutions delivers supply chain, inventory and forecasting solutions to companies around the globe that depend on the importance of accurate prediction tools to establish a world-class planning process.

LeanLogistics9

(616) 796-7631

tom.looms@leanlogistics.com LeanLogistics, a Kewill company, provides solutions to streamline supply chain networks with transportation management system applications and services. The LeanLogistics Transportation Network is one of the largest on the market, providing customers

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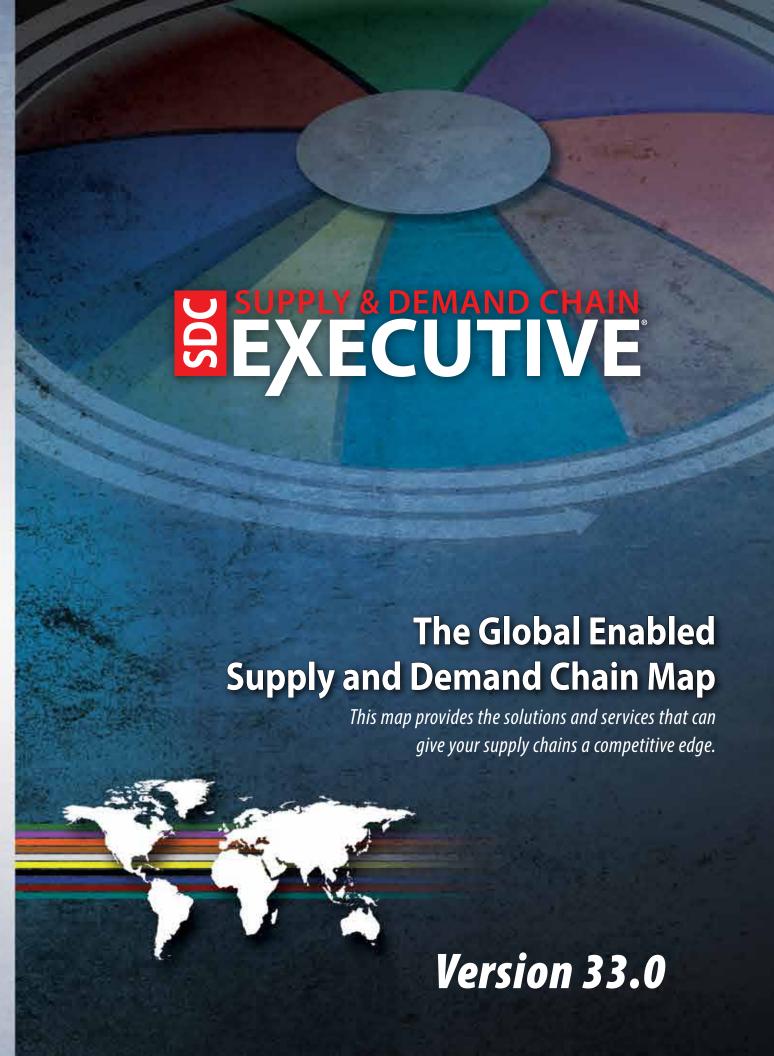
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Supply and Demand Chain Map

VERSION 33.0 (This map replaces Version 32.0 from the September 2016 issue.)



SUPPLY CHAIN INTEGRATION & TECHNOLOGY

- Artificial Intelligence & Machine Learning (NEW)
- Automatic Identification & Data Capture, including Barcode, RFID, Voice & Wearables
- Automation
- Business-to-Business (B2B) Connectivity, Standards & Integration
- Blockchain (NEW
- Bring Your Own Device (BYOD)
- · Collaborative Production Management
- Contingency Planning
- · Descriptive & Predictive Analytics
- Electronic Data Interchange (EDI)
- Enterprise Asset Management (EAM)
- Enterprise Application Integration (EAI)
- · Enterprise Data Management & Synchronization

- Enterprise Resource Planning (ERP) Hardware Options
- Import & Export Compliance Management
- Internal & External Portals
- Internet of Things (IoT)
- Inventory Optimization
- · Network Infrastructure & Optimization
- On-Premise, Cloud, Software-as-a-Service (SaaS),
- On-Demand &Hosted Applications
- · Real-Time Freight Contract, Bid and Tender Automation
- Regulatory & Customer Mandate **Compliance & Governance Issues**
- Security & Cyber Security
- Warehouse Management Systems (WMS)
- Wireless Applications & Devices

SUPPLY CHAIN INTEGRATION & TECHNOLOGY ENABLERS

CaseStack John Galt Solutions Material Handling Institute (MHI) **Demand Solution** NeoGrid LeanLogistics **DSC Logistics** LoadExpress Inc. Rapid Ratings International

PROCUREMENT



- **Benchmarking & Metrics**
- Collaborative Bidding (NEW)
- **Content & Category Management**
- Contingent & Temporary Labor
- Services Management Enterprise Supplier Collaboration
- Employee Business Services **Management (including Travel** & Entertainment)
- Financial Fraud
- Group Purchasing **Organizations & Solutions** Hedging Strategies
- Marketplaces
- Management
- Network Optimization
- New Laws & Regulations

Negotiations & Contract

- Management
- Relational Contracting

Product Cost Management

Purchase Order & Requisition

- Spend Management & Analysis Supplier Enablement & Supplier
- Information Management Supplier Onboarding,
- **Enablement & Integration** Supplier Performance **Measurement & Monitorin**
- Supplier Relationship Management & Supplier

Supplier Segmentation (N

- Supplier Risk Management
- Value-Focused Supply
 - Working Capital Management

SOURCING

- Auctions
- Automation
- Collaborative Bidding (NEW) Commodity Team & Supplier Collaboration
- Content & Category Management e-Request for Information/

New Laws & Regulations

Benchmarking & Metrics

· Demand Sensing & Shaping

· e-Request for Information/

Proposal (eRFI/eRFP)

Merchandise Planning

• New Laws & Regulations

· Order & Demand Management

Network Analysis &

Capacity Planning

Demand Planning

& Forecasting

ORDER & DEMAND CAPTURE

- Proposal (eRFI/eRFP) Financial Fraud
- Market Analytics

including Offshoring, Nearshoring & Reshoring Strategies · Relational Contracting

Outsourced Manufacturing,

- Spend Analytics & Supply Strategy
 - - · Tail Spend Management
 - Trading Exchanges

Sourcing Business Models

- Supplier Relationship Management
- ohn Galt Solutions · Total Cost of Ownership
- & Total Cost Analysis

Rapid Ratings Internationa

PROCUREMENT ENABLERS

laterial Handling Institute (MHI

Rapid Ratings International

ohn Galt Solutions

ORDER & DEMAND CAPTURE ENABLERS

 Predictive Analytics Promotional Planning Quote-to-Order Automation

Outsourced Manufacturing

DSC Logistics Sales & Operations Planning.

Operations Planning Supply & Demand Chain Network Design

& Sales, Inventory &

- Supply Chain & Production

Supply Chain Coordination & Event Management

PRODUCT LIFECYCLE MANAGEMENT

- **Collaborative Design Design for Supply Chain**
- **Design for Sustainability & Environment** New Laws & Regulations
- New Product Introduction Outsourced Design Services
- Product Data Management
- · Product Portfolio Management Request for Information
- Reverse Logistics
- Sustainable Packaging

PRODUCT LIFECYCLE MANAGEMENT ENABLER DSC Logistics

John Galt Solutions Material Handling Institute (MHI)

- **Mobile Sales Solutions**
- Reverse Logistics & Merchandise Returns

CONTINUING

EDUCATION

Associations

Certification

Universities

CONTINUING

DUCATION

lohn Galt Solutio

NABLERS

LeanLogistics

Material Handlin

Institute (MHI)

- · Trade Promotion Management

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CaseStack

OURCING ENABLERS

mand Solutions

OSC Logistics

LeanLogistics Material Handling Institute (MHI)

NeoGrid

CUSTOMER RELATIONSHIP

MANAGEMENT

- Big Data Analytics (NEW)
- **Channel Management**
- Customer Analytics & Intelligence Content Management
- Field Service & Service Parts Logistics
- Promotion Management
- Sales Force Automation
- Warranty Chain Management

CUSTOMER RELATIONSHIP MANAGEMENT ENABLERS

Procurement **Fulfillment** Sourcing Service **Supply Chain Integration & Technology Order/Demand** A Consulting Customer elationship ducation

CONSULTIN

CONSULTING

Demand Solutions

John Galt Solutions

ENABLERS

DSC Logistics

LeanLogistics

Material Handling

Institute (MHI)

NeoGrid

Fortna Inc.

FULFILLMENT & LOGISTICS

- Benchmarking & Metrics
- **Customized Build & Assemble Order**
- & Delivery Management
- Dashboards Descriptive, Predictive &
- **Prescriptive Analytics Distribution Planning & Distribution**
- **Requirements Planning**
- Drones Electronic Logging Devices (ELDs) (NEW)
- Financial Fraud Global Trade Management & Trade
- Compliance Management **Inventory Management & Optimization**
- Labor Management Systems • Last-Mile Delivery (NEW)
- · Logistics Resource Management Manufacturing Execution Systems
- Material Handling Equipment & Services · Modeling & Simulation

· New Laws & Regulations

- Omnichannel Distribution (NEW)
- **SERVICE SUPPLY CHAIN** Service Analytics & Optimization
- Service Financial Management **Service Parts Logistics**

PAYMENT

Global Trade Finance

Letters of Credit

PayPal & Bitcoin

Management, & Repairs & Returns

• Service Supply Chain Planning

Order Management Inputs

& Returns Management

Security & Cyber Security

Supply Chain Planning

Inbound Management

Supply Chain Execution

Transportation Management

Vendor-Managed Inventory

Warehouse Control Systems

Warehouse Management

Workforce Management

Workforce Training

Warehouse Execution Systems

Supply Chain, including Asset Management,

Spare Parts, Field Services, Warranties, Service

• Financial Supply Chain Management

· Financial Transaction Management

Supply Chain Security

Urban Logistics (NEW)

Voice-Driven Solutions

& Optimization

Simultaneous Outbound &

Reverse Supply Chain & Logistics,

Route Accounting & Management

& Direct Store Delivery Solutions

Supply Chain Event Management

Service Parts Logistics & Service

Outsourcing Services

- Blockchain (NEW) Collaborative Cash Flow Management
- e-Credit e-Money
- Electronic Bill Presentment & e-Invoicing Electronic Funds Transfer &
- All Forms of e-Payment Financial Fraud

- Alternative Fuel Vehicles
- Automatic Motion Control Lighting & LED Lights
- Automation Carbon Dioxide Tracking & Management
- **Energy & Sustainability** Assessment
- **Energy-Efficient Equipment** Heating, Ventilation and Air Conditioning (HVAC) **Energy Star Equipment**
- Leadership in Energy & **Environmental Design** (LEED), & Green Buildings

Low-Capacity & Automatic Bathroom Fixtures Routing Optimization

SUSTAINABILITY & GREEN TECHNOLOGY

- SmartWay Transportation Carrier Designation
- Solar & Wind Power Sustainable Supply
- Management Transportation Mode Shift due to Order & **Load Optimization**
- Wastewater Reclamation

SUSTAINABILITY & GREEN

TECHNOLOGY ENABLERS John Galt Solutions



- Change Management
- Dashboards Descriptive & Prescriptive

Benchmarking & Metrics

Big Data Analytics (NEW)

• Enterprise Business Intelligence

Functional Collaboration

- Information Sharing Inter-Enterprise & Cross-
- Market Intelligence & Analytics Regulatory & Customer Mandate
- Relational Contracting

OGISTICS ENABLE aseStack

oadExpress Inc.

Naterial Handling

RVICE ENABLERS

Service Operations across the Aftermarket Service and Solutions on Galt Solution laterial Handling Institute (MH

Freight Audit & Payment Services

- **PAYMENT ENABLERS**
- Procure-to-Pay (NEW) **Purchasing Cards**
- Reconciliation & Reporting Solutions
- · Spend Data Management

- Research & Consulting **DECISION SUPPORT** Revenue, Price & Profit
- Six Sigma, Quality & **Business Process & Performance** Lean Practices
 - Staffing & Incentive Management Supply Chain Skills Management
 - & Professional Development Supply Chain Relationship

Management Automation

- Supply Change Risk Management
- **DECISION SUPPORT ENABLERS**

DSC Logistics

Demand Solutions

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