

**Panel II:
Technology-Driven
Transformation Changing
Business Models and
Global Trade**

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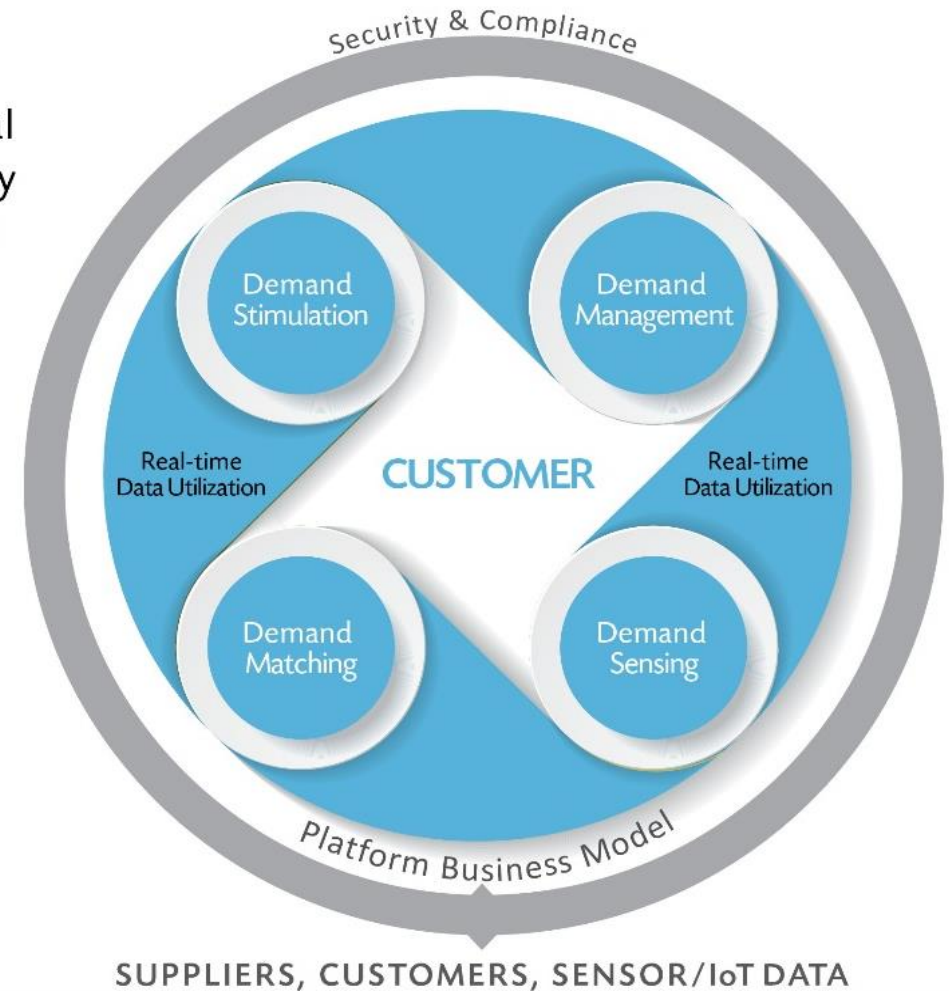
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Digital Supply Chain Defined

A Digital Supply Chain (DSC) is a customer-centric platform model that captures and maximizes utilization of real-time data coming from a variety of sources. It enables demand stimulation, matching, sensing, and management to optimize performance and minimize risk.

Digital
Supply
Chain



CEO Mandate: Executing the Digital Supply Chain Framework

DSC Execution Framework

- Managing Demand
- Managing People
- Managing Technology
- Managing Risk



5 Management Insights

Operationalizing Big Data and AI

- Algorithms are the “refineries” of big data
- Potential for algorithms to reshape business is high. Markets will be won by companies that create and use algorithms.
- The management of algorithms is the missing element, especially across the enterprise
- The “Algorithm Council” is the new management best practice and includes sales/marketing, IS, finance, HR and supply chain leadership.
- “Data Trading” and Blockchain will be prominent parts of supply chain T&Cs, internal and external to the enterprise

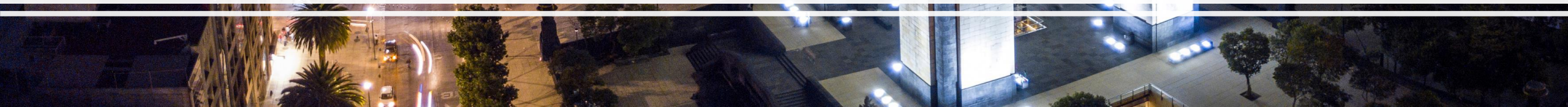
The Global Supply Chain Community

Representing over \$1.8 Trillion USD in Revenue and over 6 Million Employees





Backup Slides



The DSCI Data Trading Framework

- We have developed a comprehensive DSCI Data Trading Framework that outlines a process you can follow to unlock the value of data sharing with your value chain partners.
- The DSCI data trading framework is a way for you to strategically identify and value the data you need and gauge the value of what you are willing to give in exchange.
- DSCI data trading framework consists of three stages needed for optimizing your data trading:
 - Prepare
 - Negotiate
 - Monitor Governance

| DSCI Global Executive Leadership Forums |



Algorithm Council

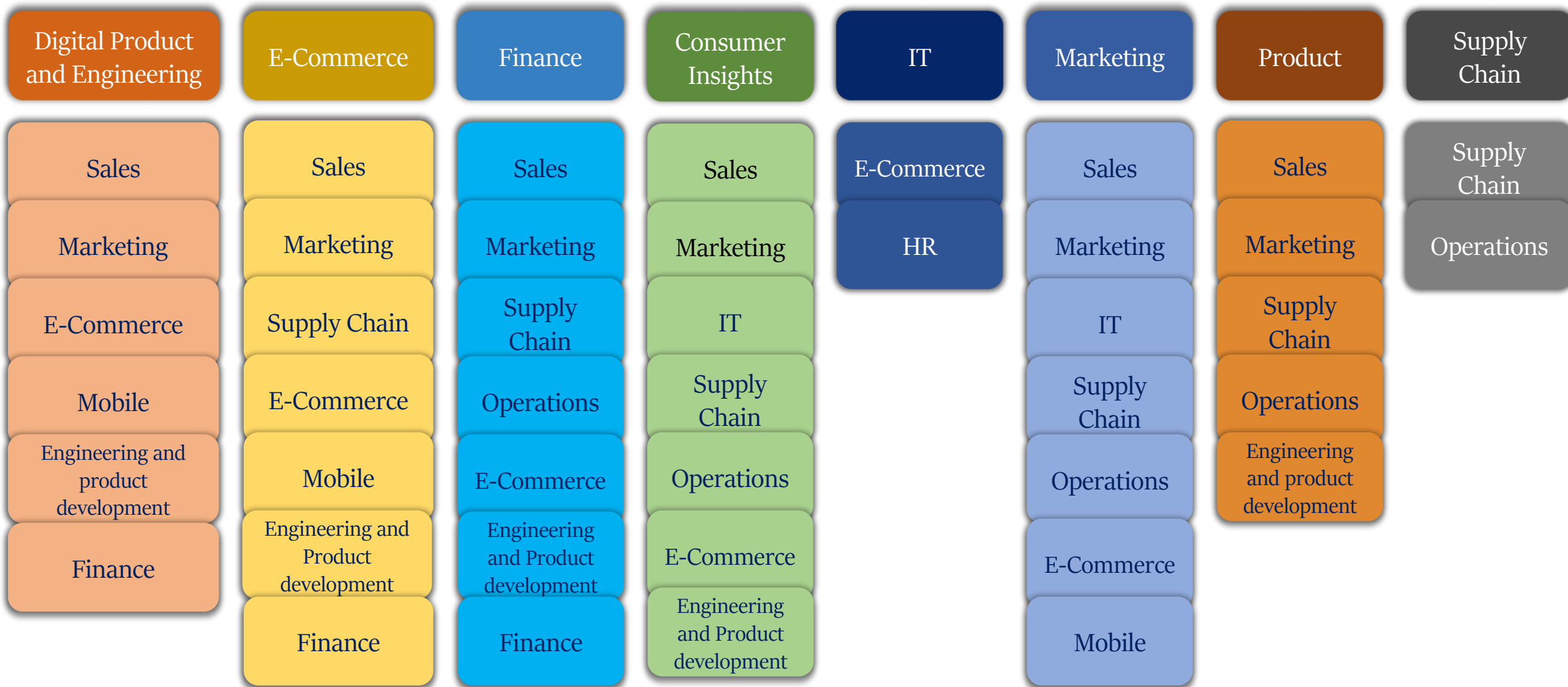
What it is:

- A center for excellence about algorithms and their use in boosting business performance
- A safe zone for experimentation
- A group of C-level functional company leaders
- An opportunity to include key customers and suppliers

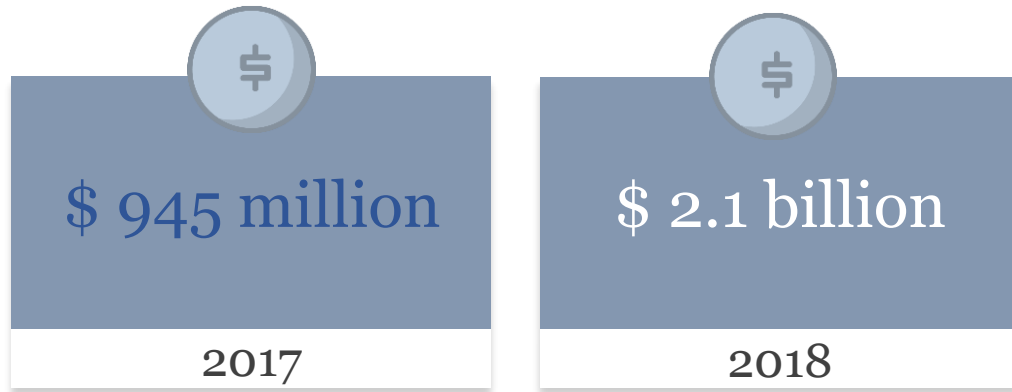
What it does:

- Identifies priorities and issues from a cross-functional view
- Identifies the right metrics and decision-making processes
- Identifies the data needed for the algorithms
- Educates individuals and the company about the hype and the risk of the algorithm
- Sets parameters upon where to apply AI/ML and what algorithms and training data sets are appropriate
- Agrees on integrated activities to enhance business performance with AI/ML

Algorithms that can be used by other departments (EFV)

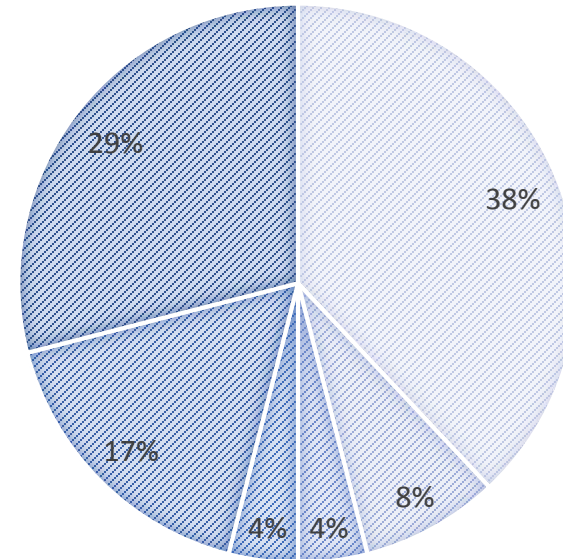


Investments in Blockchain



Market Location

■ USA ■ UK ■ Singapore ■ Switzerland ■ Unknown ■ Other



1. Cross Border Payments
2. Provenance
3. Finance & post-trade/transaction settlements

11.7 billion in 2022

Source: idc.com

Source: crunchbase.com

Blockchain and GDPR can work together!



- **Use a private, permissioned Blockchain**
- **Avoid, if possible, the storing of personal data on the Blockchain.**
- **Establish a detailed governance framework**
- **Employ innovative solutions to data protection problems (advanced irreversible encryption)**

Customer and Algorithm Council Driven Data Model

