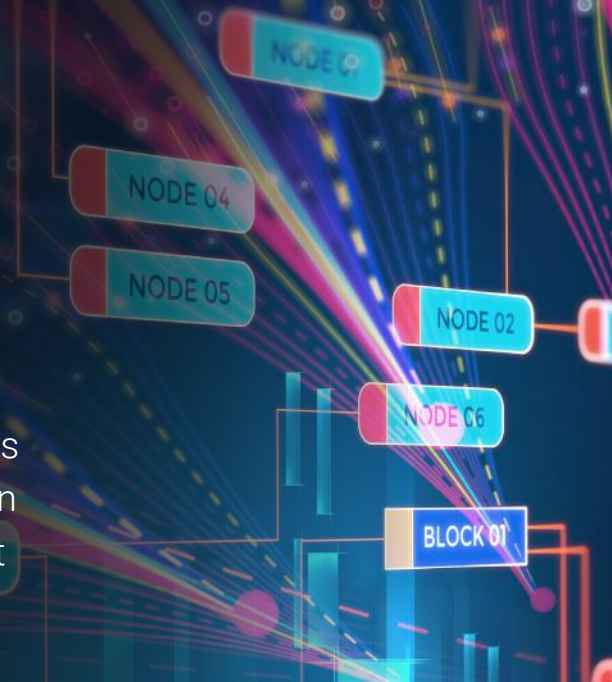# Supply Chain Resilience

methods
AN ALTEN COMPANY

A resilient supply chain is defined by its capacity to mitigate supply chain disruptions by identifying the risks and existence of potential threats. Through the modelling and analysis of complex supply chain networks, we highlight downstream issues enabling timely interventions to secure the supply of materials and parts for complex products, leaving supply chain managers confident that their supply chain is robust and secure

Service Offering

Methods provides an end-to-end service to ensure that the complex, multi-tiered supply chain networks are robust and secure.

Data is sourced from the supply chain itself as well as from data providers with international reach, enabling us to provide a holistic view of the supply chain and potential threats within it. Using our data modelling and visualisation expertise, we can provide a view of various risks such as cyber and financial, as well as risks from environmental and governmental issues. This intelligence can be used by our clients to enable timely interventions to secure the supply of materials and parts for highly complex products. Supply chain managers and procurement teams are able to identify issues in advance of having downstream effects on supply.

- **Our qualified multi-disciplinary team** will map out the supply chain and build the necessary data model and infrastructure to surface intelligence to decision-makers within your organisation.
- **We will create seamless data integration** with systems, to enable timely data to flow through to dashboards without the need for manual intervention.
- **Our User Experience / User Interface** (UX/UI) experts will work with you to identify the needs of the end users for optimal design of the visualisations.

As BOXARR partners, Methods' Analysts are fully versed in the use of BOXARR products to analyse supply chains.

BOXARR enables us to build a 'Digital Twin' to map the complex global supply chains for highly engineered products.

BOXARR will enable the stitching together of disparate networks such as purchasing, supplier and programme management, corporate risk and responsibility, quality control, engineering, logistics, sales, and operations.

The model can be built and maintained from existing data sources such as Enterprise Resource Planning (ERP) systems, and it can exploit the collaborative participation of numerous stakeholders.

Supply Chain Resilience

Our objective is to ensure organisations are provided industry best practice strategies by offering the following:

Key Service Features

- Supply chain mapping for highly complex products across many tiers
- Build complex Digital Twins of supply chains
- Optimisation of entire supply chain network
- Model and analyse supplier financial stability
- Build models from existing data sources and feeds
- Model environmental and geopolitical issues
- Model the implications of fluctuating currency rates
- Model various risks including cyber and fraud risks
- Understand downstream effects of issues within complex supply chains
- Understand the effect of availability and price fluctuations of materials

Key Service Benefits

- Proactively manage risk and identify opportunities
- Identify structural weaknesses such as highly interconnected sub-tier suppliers
- Understand geographic related risk
- Identify areas of poor visibility in the supply chain
- Optimise multi-tiered supply chains
- Overlay various 'lenses' and identify inherent risk
- Coordinate timely responses to events within the supply chain
- Raise organisational understanding of their risk profile and accountability
- Cohesive and comprehensive view of risk assurance across supply chains
- Ensure secure robust assurance arrangements are implemented