

TOP TOOLSETS TO CREATE A RESILIENT SUPPLY CHAIN

Using data to make more informed and strategic decisions will produce significant results

DESCRIPTIVE

Problem/ Challenge	Type of Data Analysis and Measurement Needed
<ul style="list-style-type: none"> Limited process visibility or standardization Unknown pain points within processes Unknown inefficiencies within supply chain 	<ul style="list-style-type: none"> Key performance indicators Descriptive statistics Process capability analysis Process maps Value stream maps Supply chain maps Total cost of ownership Supplier risk rating and categorization

DIAGNOSTIC/PREDICTIVE

Problem/ Challenge	Type of Data Analysis and Measurement Needed
<ul style="list-style-type: none"> Siloed systems for measuring sales, operations, inventory, capacity planning, cashflow etc. No checks and balances in place for reviewing processes, compliance, or existing systems Unknown risks within the supply chain No control mechanisms 	<ul style="list-style-type: none"> Process reviews Collaborative sales and operations planning (S&OP) <ul style="list-style-type: none"> Inventory, resources, capacity, cash Corrective/preventive action program Audits <ul style="list-style-type: none"> Compliance, system, process Supplier owned inventory Failure mode and effects analysis (FMEA) Risk assessment questionnaires Risk mitigation and contingency plans Establish control plans (at control points) Significant factors analysis

PRESCRIPTIVE

Problem/ Challenge	Type of Data Analysis and Measurement Needed
<ul style="list-style-type: none"> Fragmented/siloed systems Supply chain not operating at an optimal level Limited inventory visibility or automation Too much inventory to control manually 	<ul style="list-style-type: none"> Integrated system architecture (Industry 4.0) Optimization: Minimize risk, Maximize Cash, etc. <ul style="list-style-type: none"> Supplier portfolio Supply chain reliability Mitigation programs Inventory Resource allocation Transportation and logistics

Fundamental

Advanced