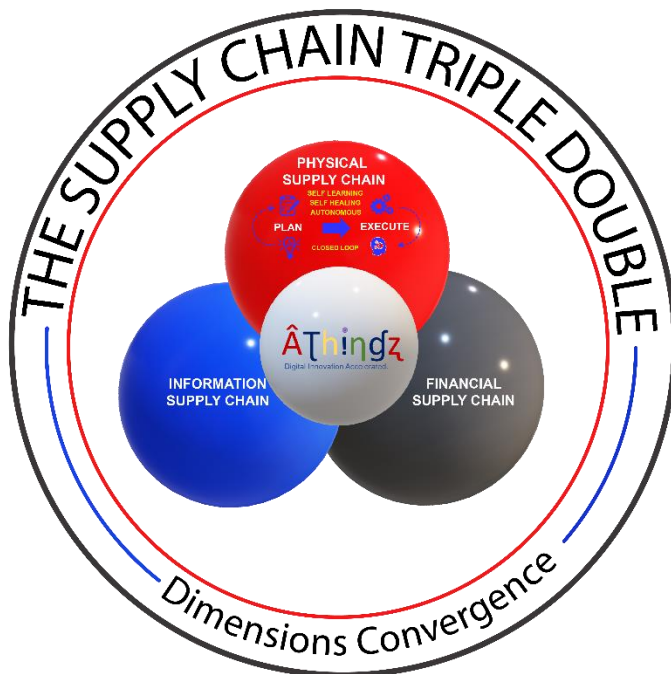


aThingz

Modernizing Supply Chains to build resilient operations and drive growth



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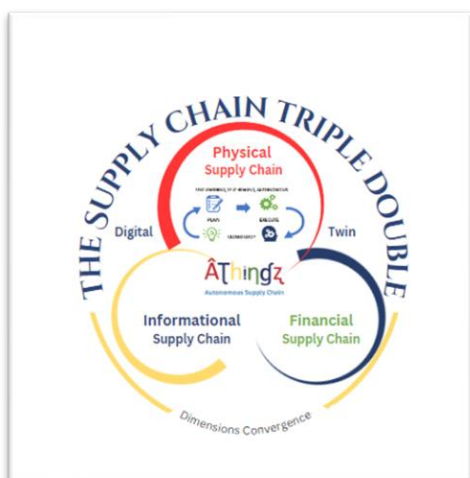
aThingz – a Unicorn



aThingz is a unicorn supply chain and logistics solution provider enabling organizations to rapidly take cost out of their logistics spend while helping them be more agile and resilient in a sustainable manner - customers get this ***accelerated value as early as week 6 of aThingz engagement.***

Our strong foundational master data with continuous data quality improvements, helps customers make accurate business decisions, reduce costs, mitigate risks and innovate faster.

The Triple Double Play



aThingz "Triple Double in Supply Chain & Logistics" way of leading customers to a winning position in the leader board

aThingz has uniquely collapsed what is today a largely disparate set of processes for logistics planning and execution and ***pioneered one closed loop (continuous) Financial and Operations Planning and Execution process (F&OP/E) for logistics.*** Akin to what S&OP does for supply chain. We call this the aThingz Supply Chain Triple Double Play.

TRIPLE being digital twin model representing the information, physical, financial supply chain with a DOUBLE scoring on collapsing the planning with execution not on a cadence but on a continuous basis with a closed loop approach. So, the new breakthrough notion is that planning, and execution should not be two different functions or processes.

10% - 35%
Reduce Logistics Cost

10% - 20%
Increase Perfect Order Fulfillment

70% - 80%
Improve Data Quality

10% - 20%
Increase Planning and Forecast Accuracy

10% - 20%
Reduce Inventory Stock Out

20% - 45%
Increase Productivity

The approach has proven to cost extract 10-35% of global logistics spend year over year. This new way uniquely integrates financial and operational logistics planning with hyper execution and reduces the reliance on bad plan expediting.

Speed with Value = aThingz

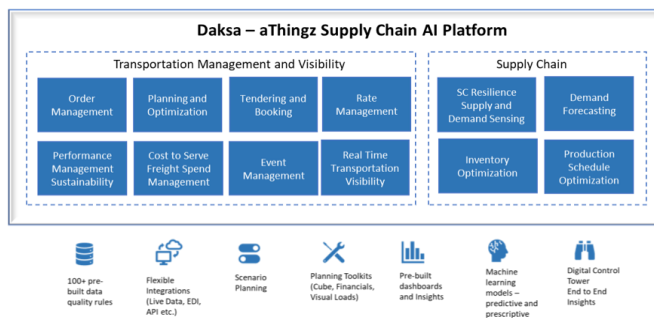
THE BIG DON'T EAT THE SMALL ANYMORE.... THE FAST EAT THE SLOW

Supply Chain organizations must become better, faster problem solvers leading to optimized business outcomes.

Yesterday's decomposed, monolithic supply chain technology problem solving approaches will not cut it....moving forward. The great pandemic proved that big time.

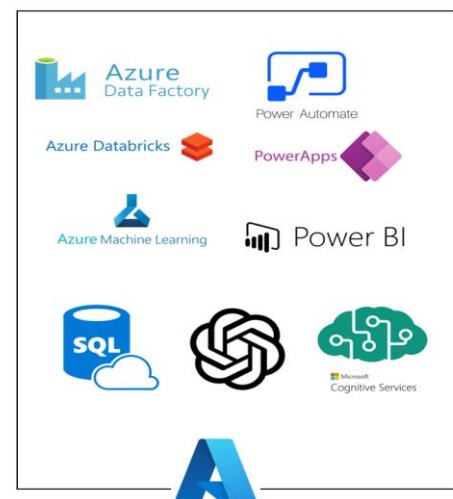
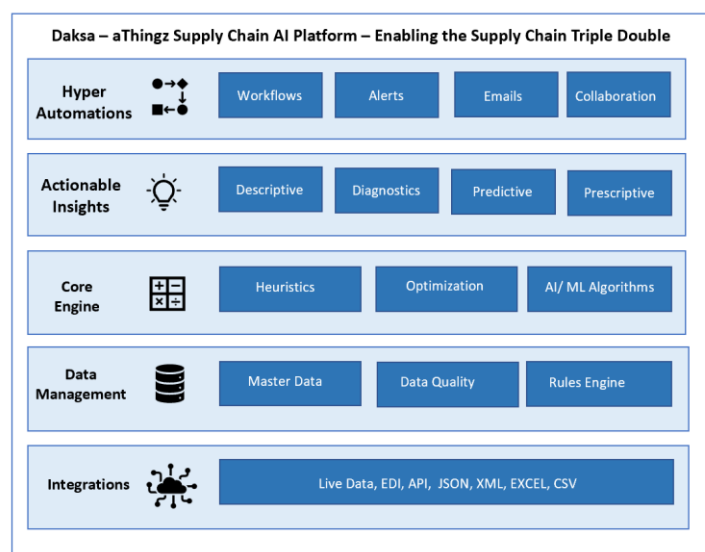
Convergence of functions, processes, leveraging modern day advanced technologies is key to making better, faster, optimized business outcome decisions in global operations.

100% Azure – Modern Digital Supply Chain AI Platform with composable microservices

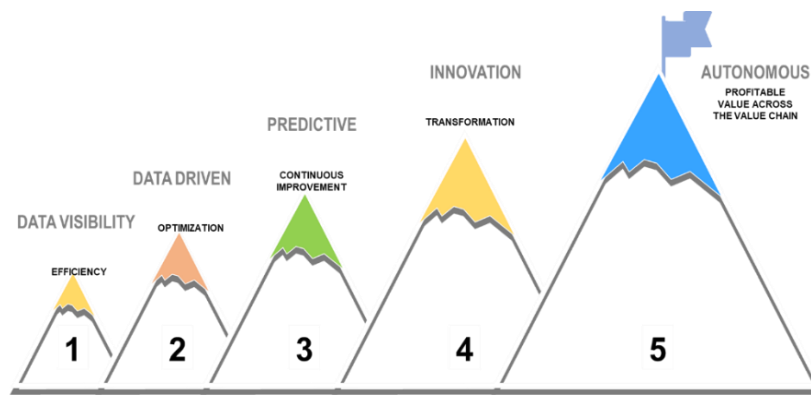


aThingz drives accelerated transformation, and innovation in supply chain logistics enabling organizations to be more agile and resilient.

Using a data driven digital transformation approach, and a modern microservices based innovative supply chain AI Cloud platform, we provide highly efficient logistics operational plans, visibility into logistics spend, end to end integrated value chain insights with real time transportation visibility and forecast highly accurate demand.



Data Management



Supply Chain is a data rich domain. However, the effectiveness of the **business decisions made rests heavily on the quality of data**. To address this need and improve the accuracy of business decisions, aThingz offers a unique Data Quality and Master Data Management Business Solution purpose-built for Supply Chain,

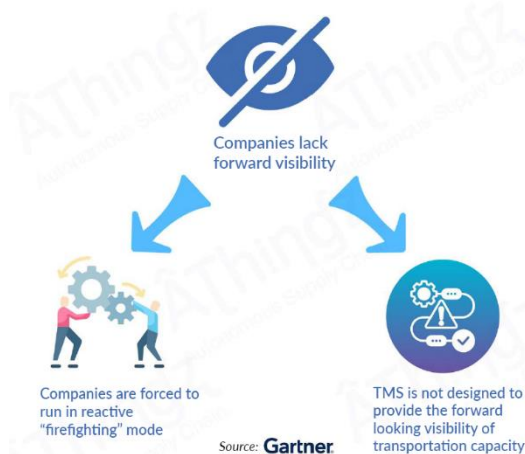
Transportation and Logistics.

Our AI enabled data cleansing, intuitive rules engine, alerts and insights capabilities drives data quality improvements and establishes a clean copy of foundational master data for business processes to consume.

We are flexible with data acquisition and consume a wide variety of data types and formats sent via different communication protocols.

Our solution encompasses a methodology, framework and governance model for master data and data quality management

Closed Loop Planning with Execution– Multi faceted, intelligent, automated and prescriptive



Using sophisticated heuristics and machine learning algorithms, aThingz generates efficient operational logistics/route plan. One of the **key differentiators** of Bruhas is – it analyzes historical planning and ongoing execution data to **continuously calibrate the effectiveness of the plan**

aThingz Plan generation process is a workflow driven collaborative process – planners can review the plan at various stages to review exceptions, address data quality issues, confirm routing options before a plan can be released for tendering and execution. As part of this process, a proactive forecast is provided for equipment

capacity and proactively highlights any potential shortages based on forecast versus contracted volumes



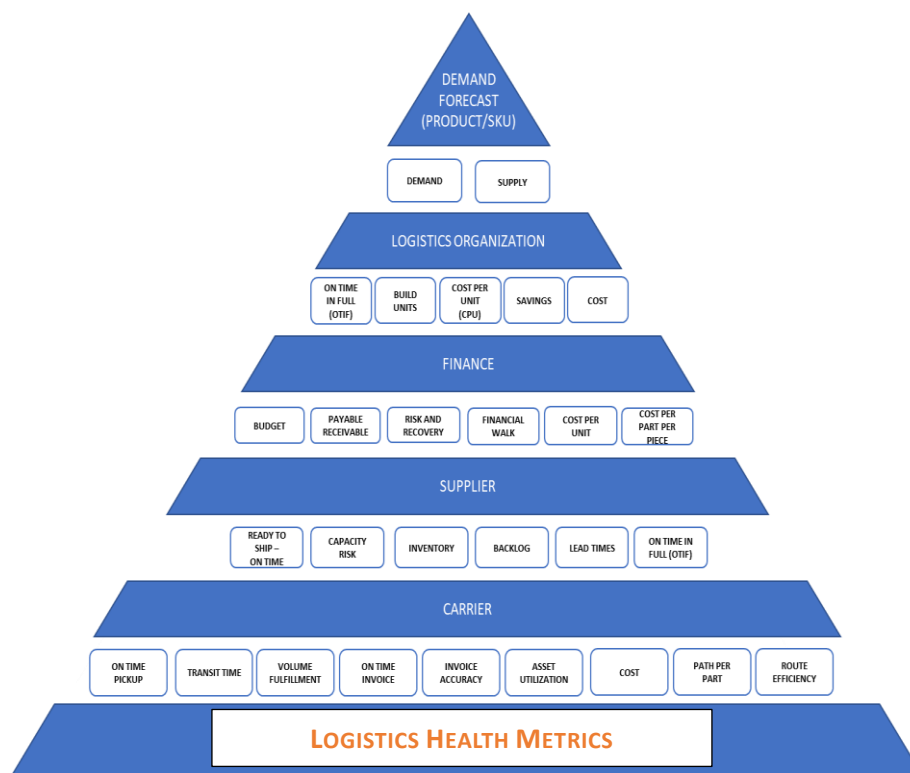
Leveraging several sophisticated algorithms, heuristics, machine learning models, optimization techniques, aThingz provides scenario planning capabilities to evaluate changes to the logistics plan at a network and part/packaging level. These changes can be simulated to understand the impact on transit time and costs. Selected scenarios can be directly applied into the Logistics Plan/Manifest. This advanced capability helps organizations with their total enterprise cost studies,

crisis planning and future program/launch activities.

We provide out of the box metrics, insights regarding the qualitative and quantitative aspects of the plan. These insights will help understand the utilization, cost, transit time across different dimensions of the network.

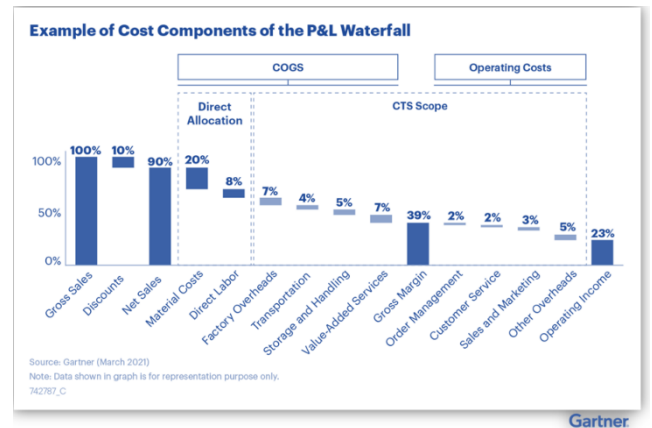
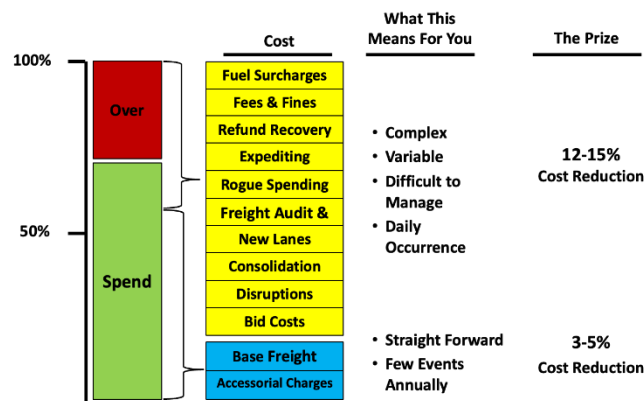
Do you know your organization metrics?

Logistics Cost to Serve, Operational Efficiency and Sustainability



Most organizations have several KPIs to measure their performance – however, these KPIs are not organized in a consistent manner and do not show, how they contribute to Logistics goals and objectives

The KPIs should assess and depict Logistics health, identify improvement opportunities and highlight operational deficiencies within the relevant process areas. As organizations reach higher maturity levels, they can connect across the value chain and explore trade off scenarios against overall supply chain performance.



aThingz provides granular level Logistics spend visibility- from overall network, all the way down to a part/item, part piece level. We provide customers with the ability to measure variances between plan versus and classify the variances in financial categories.

- Utilization
- Total Cost to Serve
- Cost Per Unit (Unit and Product Category)
- Cost Per Mile
- Premium Freight
- Variance (Plan versus Actuals)
- Network Changes
- Demand Units
- Plan Vs Actuals
- Explanation of variance

Our unique approach to connecting different elements of logistics spend (lane cost, fuel cost, accessorial etc.) across budgets, targets, operational actuals and invoices- helps customers to diagnose root causes for anomalies and identify cost savings opportunities. Using advanced analytics, machine learning and optimization techniques, we can predict future spend, reconcile cost savings financials, identify anomalies in carrier invoice submissions and proactively compute financial accruals.

With athingz out of the box executive KPI, scorecards and analytics, customers can quickly measure the overall financial and network performance of their organization. Here are some examples of our metrics:

Sustainability, Carbon Footprint

As organizations make commitments to reduction of carbon emissions and other sustainability factors – it is important to measure how the carriers operating in the network are contributing to these metrics.



aThingz connects with several industry sources to get Carbon and Nitrous Oxide emissions data, overlays that with customer's logistics network and their carriers. This view can help the logistics sourcing, operations and sustainability organizations to drive compliance with their carriers

Supply Chain Resilience – Visibility with Actionability (Predictive, Prescriptive), Digital Control Tower

Many supply chain visibility solutions provide shipment visibility. However, there are several gaps/challenges with these solutions that are inhibiting customers from gaining the right level of ROI and business value. Here are a few examples of these challenges:

- Shipment Event Data Quality (Completeness, out of sequence, timeliness, accuracy)
- Visibility without actionability (Yes – we can see our shipments – so what ??)
- Minimal/no integration across the value chain

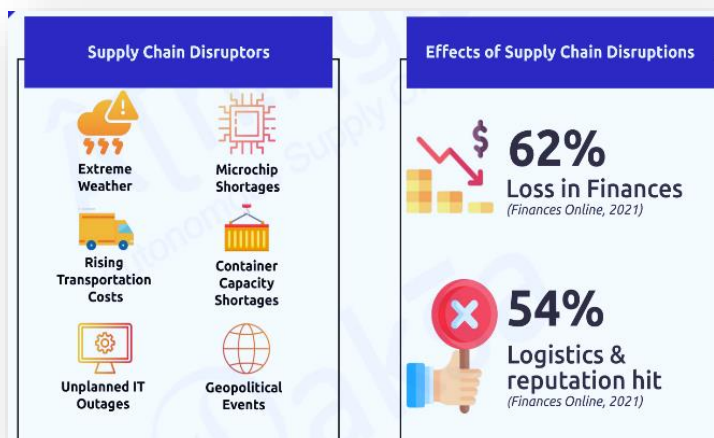
aThingz provides real time transportation visibility with predictive ETA and high-definition quality of shipment events – our accuracy and completion metrics are in the 90% range.

Our out of the box insights provides actionable insights into dwell, transit time performance and any potential exposure to demurrages and detention charges.

Supply chain resilience is the ability of an organization to avoid, absorb and recover from the business impact of major disruptions through a risk-balanced approach to product, supply chain strategy and network design.

aThingz helps supply chain organization become more agile and resilient.

Leveraging our end-to-end value integration approach, advanced analytics, optimization and machine learning algorithms, we can continuously sense supply and demand, predict modes and inventories at risk, provide prescriptive recommendations via a decision matrix for customers to make decisions based on:



- Cost
- Transit-time
- Lead time
- Inventory levels
- Customer service commitments
- Safety stock impacts

All of this is served via an intuitive Digital control tower that provides visibility with actionability.



Rate management and Network Sourcing Intelligence

Logistics organizations need to have a repository to save rates and quotes. These need to be governed by strong master data and data quality solution and processes. With aThingz rate management solutions, we can provide a single repository to load and view, buy and sell rates. In addition to this, relevant simulation and insights on profitability are provided.

Using our network sourcing intelligence capability, we help customers to evaluate transportation sourcing bids to identify sourcing strategies and secure transportation capacity in a cost-effective manner

Tendering and Booking

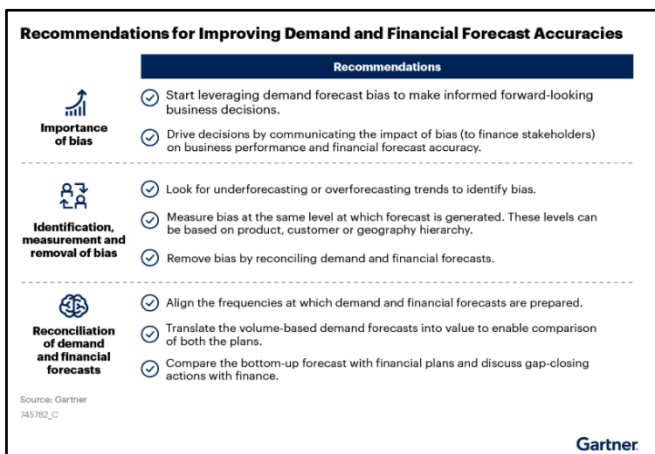
Having upstream visibility into how logistics planning and forecasting requirements are translating to secured transportation capacity is very important. With aThingz connected eco system of microservices – customers can seamlessly navigate into the tendering and booking process right from the aThingz planning workbench. Collaboration with multiple logistics partners, stakeholders and intelligent workflows, carrier integrations are some of the key features that we provide as part of the tendering and booking capabilities.

aThingz Application – Tendering and Booking					
Operating Plan (OPPLAN)	TEU Forecast	Tendering	Booking Updates	Booking Collaboration	Booking Insights Balance Sheet, Performance Management

Demand Forecast

Accuracy in Demand Forecast sets the tone for the organization Revenue, Supply Requirements, Organization Capacity Planning and thus a beginning of the Supply Chain Objectives, goals and direction.

aThingz leverages sophisticated deep learning algorithms to predict short-term and long-term demand at product/SKU level with superior accuracy (95%+).



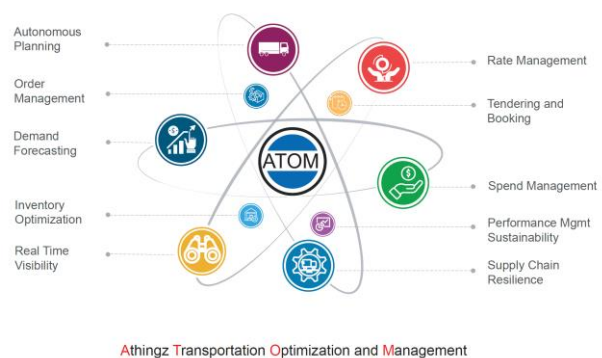
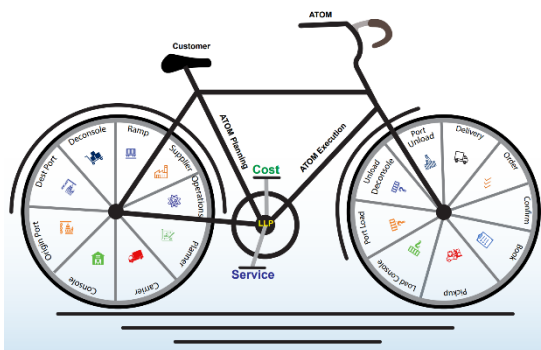
Our solution helps increase operational efficiency by reducing/eliminating manual forecasting process.

We can ingest different supporting datasets for continuous improvement and auto adjustment of forecast.

We also provide out of the box sortable and explainable forecast insights, metrics related to forecast accuracy, bias, cost saving, inventory visibility

Connecting it all – Upstream, Downstream

One of aThingz key value propositions is connecting relevant processes and providing end to end view and contextual insights.



Single integrated view

Orders → Planning/Forecasting → Tendering → Booking → Shipment Visibility → Financial Visibility → Cost to Serve

Customer Success Focused Delivery Model – Logistics as a Service (LaaS)

Based on our experience and observations we have made in the marketplace – we see a gap and challenge with respect to customers **attaining the right level of ROI and business value** from their supply chain technology investments. That is because SaaS vendors primarily focus on **turnkey** project implementations on software support versus operationalizing business benefit for the customer.

aThingz has a unique delivery model to ensure customer success –Logistics as Service (Laas). Customers can procure aThingz LaaS as an annual subscription that includes data decision support, change management, program governance, release management, customer success and several product upgrades throughout the year.

Awards and Recognitions



Supplier of the Year Award – Inbound Material



Overdrive Award – Total Enterprise Cost

2022 - #5

- Market Guide for Supply Chain Cost-to-Serve Analytics Technology

2022 - #4

- Leverage Advanced Transport Analytics to reduce cost and improve process

2021 - #3

- Market Guide for Data Analytics and Intelligence Platforms in Supply Chain

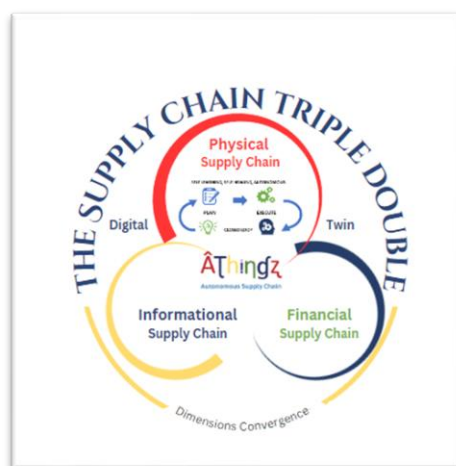
2020 - #2

- How to Take Advantage of Advanced Analytics in Transportation

2019 - #1

- Supply Chain Solution Category: Intelligence Tools

Conclusion



Supply chain digital twins are evolving and need additional fused modelling dimensions to optimize business outcomes.

With “aThingz Supply Chain triple double” approach – we have the perfect solution to collapse the whitespace around the different process areas within Logistics and pivot across the value chain.

Double-Click [aThingz.com](https://www.athingz.com) to learn more.