

Syntphony Autonomous Supply Chain

Our platform detects, analyses and resolves disruptions in real time. Through generative AI and distributed intelligence, we enable agile, cost-effective operations, ensuring seamless integration into existing IT ecosystems across industries.



Manufacturing & Consumer Packaging Goods



Automotive



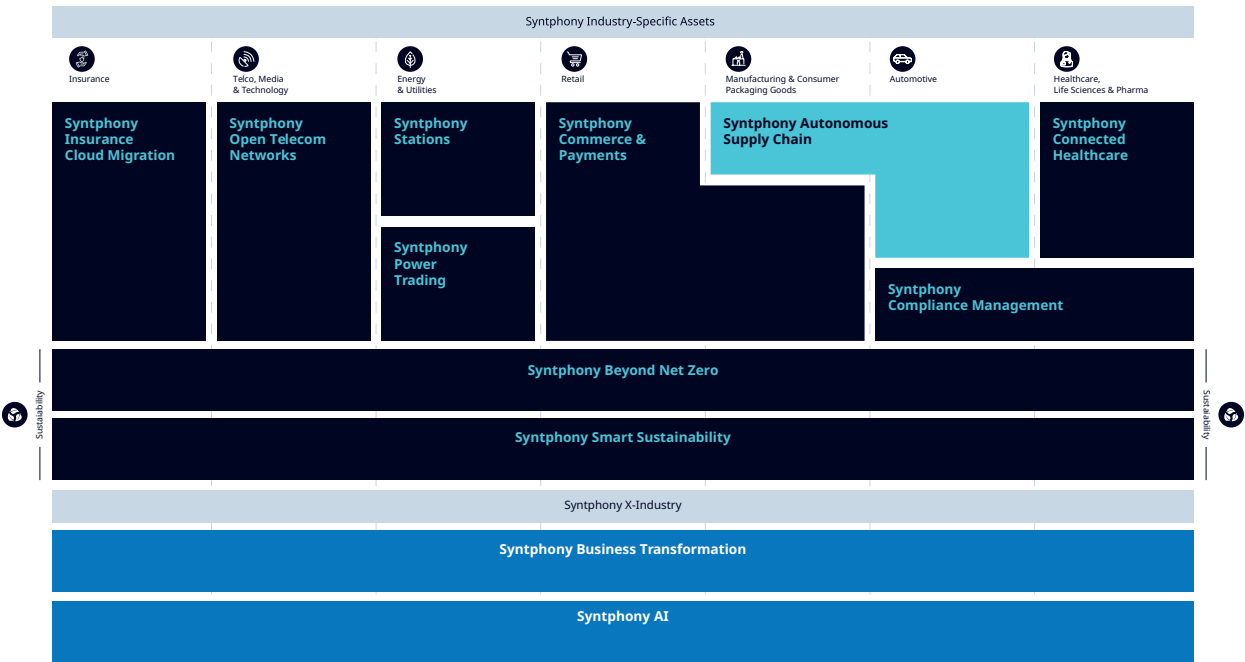
We develop products and solutions that are in tune with businesses



Syntphony is the composable platform of digital products and solutions from NTT DATA, created to help global organisations accelerate innovation, align business strategy with technology, and scale transformation initiatives with speed and efficiency.

Designed for enterprises that demand flexibility, modularity and integration, Syntphony offers a portfolio of ready-to-deploy, enterprise-grade digital products developed by NTT DATA's global talent network. By combining business consulting expertise, proprietary technologies and industry knowledge, the Syntphony ecosystem multiplies the value for clients, reducing time to market and unlocking synergies across multiple domains.

Syntphony is the most valuable Product Composable Platform of NTT DATA, enabling clients to orchestrate scalable, resilient, and future-ready business solutions.



The future of supply chain processes. From connectivity to data-driven operations.

From reactive processes to intelligent, hyperautomated decision-making ensuring agility, scalability and operational excellence.



The future of supply chain processes lies in solving the critical challenge of real-time decisions in the supply chain, facilitating efficient response to day-to-day issues.

The evolution towards hyper-automation reflects a growing need. Interconnected agents that can manage processes autonomously, **scale easily and deliver consistent results are increasingly essential.**

Supply chain disruptions are a costly reality. Analysts confirm that current solutions do not allow effective solutions for real-time decision management and execution.

The growing investment in supply chain IT, Syntphony Autonomous Supply Chain is fundamentally focused on meeting the challenge of **real-time decision execution**, setting the tone for autonomy and efficiency.

All the good work that has been done up to that point is of no use if a problem arises at the moment of delivery and we are unable to solve it on the spot and with precision in our decision-making.

- **In a market where the supply chain is becoming increasingly volatile**, Syntphony Autonomous Supply Chain addresses the critical problem of costly delays and late decisions.
- **Day-to-day operational inefficiency is the big problem to solve.** With the constant pressure to make quick decisions and the threat of high costs, supply chain managers face a challenging and stressful landscape.
- **Current solutions cannot address the dynamic complexity of day-to-day execution.** Syntphony Autonomous Supply Chain goes further, offering instant autonomy and efficiency.
- **We deliver agile decisions**, cost reduction and flawless supply chain execution.

The digital brain that solves problems, executes decisions and always makes the supply chain efficient.

We offer a Multi-Agent Systems platform that solves daily problems and deviations, in real time, in an agile manner and with optimised resolution and the ability to scale as needed, to deliver fast and efficient results.

Intelligent

Our cognitive and intelligent solution simplifies management.

Reliable

We operate in real time, guaranteeing immediate decisions.

Decisive

We always provide the best solution by combining several variables, transforming the execution of the supply chain.

Resolving incidents in real time. The fusion of autonomy and efficiency

Empowering organisations to lead transformation, reduce risks, boost KPIs and overcome daily operational challenges confidently.

When you are unique in the market, differentiation is very clear.

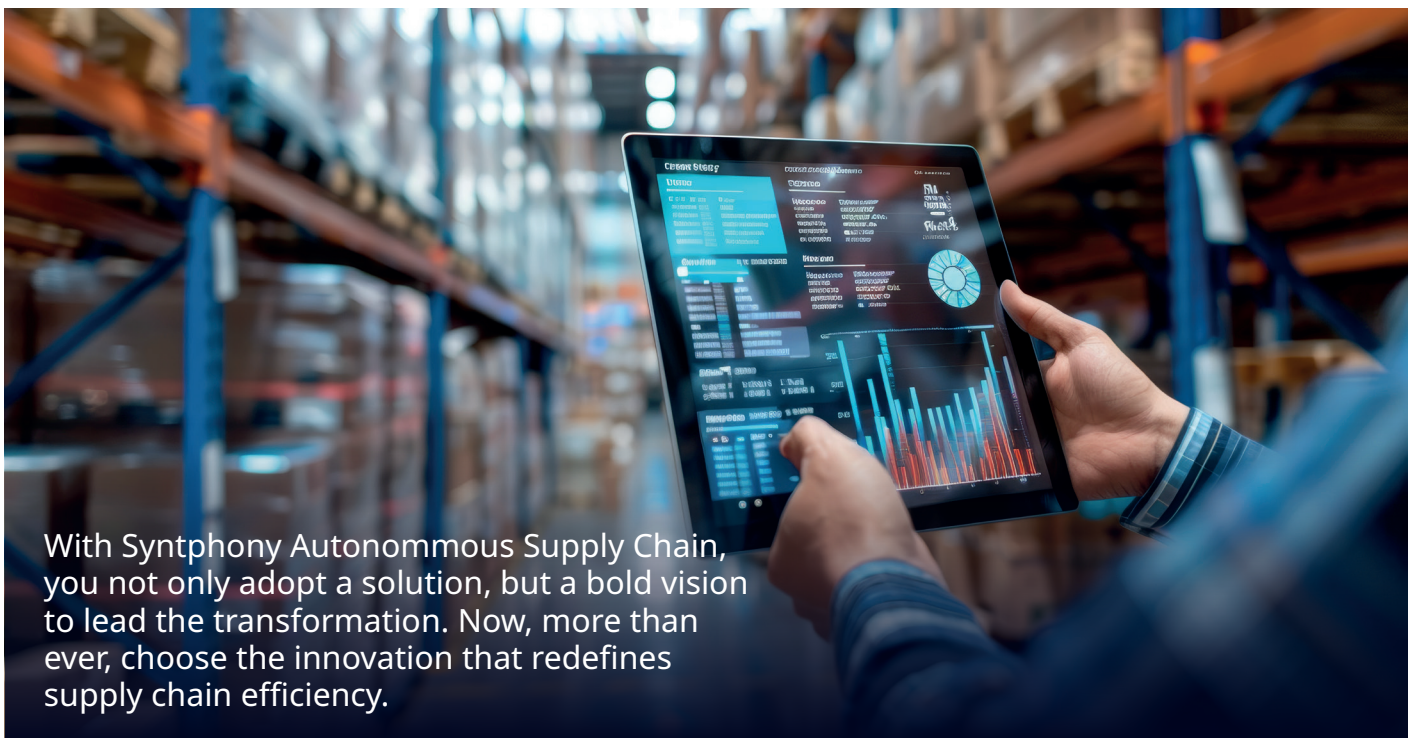
Our solution enables you to lead with a unique ability to execute in real time. Data reveals that we outperform existing solutions by delivering immediate autonomous decisions.

We are committed to empowering our customers by reducing costs, eliminating errors and improving operational KPIs. Our solution, backed by over **70 use cases**, ensures effective and rapid transformation in every aspect of the supply chain.

Addressing industry challenges, our MAS technology revolutionises hyper-automation. Filling the gap left by prescriptive solutions, **we offer a customised and proven approach**. Interoperability and Multi-Agent Systems expertise position us as the perfect choice.



The need for real-time decision making is imminent.



With Syntphony Autonomous Supply Chain, you not only adopt a solution, but a bold vision to lead the transformation. Now, more than ever, choose the innovation that redefines supply chain efficiency.

Streamline processes, reduce errors and drive real-time, scalable efficiency.

Benefits

Cost Efficiency and Error Reduction

Hyperautomation eliminates manual errors and reduces operational costs, enabling seamless execution and improved KPIs across the supply chain.

Proactive Complex Resolution

Cognitive capabilities resolve complex, distributed events in real time, ensuring effective decision-making and efficient execution across the entire supply chain.

Continuous KPI Improvement

Indirectly improves operational KPIs by reducing errors, optimising processes and accelerating decision-making, driving overall business performance.

Digital Collar Operations Evolution

Moves from white collar to digital collar operations, enabling 24/7 execution, freeing teams for higher-value activities.

Agile Real-Time Decision Execution

Our platform enables instant, autonomous decision-making in dynamic environments, reducing response times and enhancing adaptability to operational deviations.

Scalable and Modular Approach

Begin with a specific process, scaling horizontally or vertically as needs evolve, ensuring quick, adaptable and sustainable outcomes.

Resilience and Risk Mitigation

Transforms operations from reactive to proactive, strengthening resilience and minimising risks from disruptions or unexpected events.

Faster Time to Value

Delivers fast, efficient results by enabling autonomous management of daily deviations, accelerating value realisation.

Features

Intelligent Decision Engine

Powered by cognitive intelligence, evaluates operational events in real time, optimises decision-making and continuously improves process efficiency.

Decision Execution and Learning

Executes and learns from each event, enhancing autonomous decision-making capabilities for continuous improvement over time.

Complex Process Resolution Agility

Ensures efficient execution and minimises disruption impact, keeping supply chains synchronised and responsive.

Connected Decision Flows

Multi-Step Connectivity. Facilitates cross-agent, cross-department collaboration, ensuring coordinated execution and stronger supply chain synergies.

Multi-Agent System Orchestration

A collaborative set of intelligent agents decomposes complex problems, generating adaptive, effective action plans across the supply chain.

Real-Time Data Access

Provides instant access to key data, enabling agile, accurate decisions based on up-to-date operational insights..

Autonomous Decision Execution

Combines machine learning and analytics, enabling autonomous, optimised decisions that improve services and lower costs.

Connected Digital Infrastructure

Integrates digital infrastructure with advanced analytics, creating an event management layer for optimised execution and decision-making.

Inbound

- **Delivery Delays to Warehouse:** Adjust operations and reallocate resources for delayed inbound deliveries.
- **Incoming Vehicle Breakdown:** Reschedule unloading or activate backup logistics proactively.
- **Additional Request:** Reprioritize urgent additional deliveries efficiently.
- **Product Stock-Out:** Detect stock-outs early, activating sourcing alternatives or redistribution.

Warehouse

- **Route Sheet Setting:** Configure route sheets automatically, optimising sequences.
- **Optimal Truck Allocation:** Allocate trucks efficiently based on load and demand.
- **Dynamic Internal Movements:** Coordinate internal truck flows between plants.
- **Streamlines Truck Load Dispatch:** Ensure accurate, timely truck load execution, reducing delays.

Production

- **Empirical Failure Prediction:** Recommend proactive measures based on production history and real-time data to avoid defects, improve product quality, and reduce waste.
- **Dynamic Rescheduling:** Continuously adjust production planning using forecasted and actual material availability, ensuring optimal plant performance, minimizing downtime risks, and maintaining production flow even in volatile or constrained scenarios.

Internal Logistic

- **Production Returns Merchandise:** Manage unexpected returns from production efficiently, avoiding bottlenecks.
- **Adjust Supplier Performance:** Analyze supplier delivery patterns to adjust schedules ensuring quality alignment.
- **Refusal to Unload:** Resolve disputes when suppliers reject unloading, coordinating internal processes smoothly.

Outbound

- **Route Sheet Setting:** Automatically configure route sheets optimizing delivery sequences.
- **Optimal Truck Allocation:** Allocate trucks based on demand, load and timing criteria.
- **Dynamic Internal Movements:** Coordinate internal truck movements between plants efficiently.
- **Streamlines Truck Load Dispatch:** Streamline truck dispatch ensuring accurate and timely load execution.





About NTTDATA

NTT DATA - a part of NTT Group - is a trusted global innovator of IT and business services headquartered in Tokyo. We help clients transform through consulting, industry solutions, business process services, IT modernization and managed services. NTT DATA enables clients, as well as society, to move confidently into the digital future. We are committed to our clients' long-term success and combine global reach with local client attention to serve them in over 50 countries.