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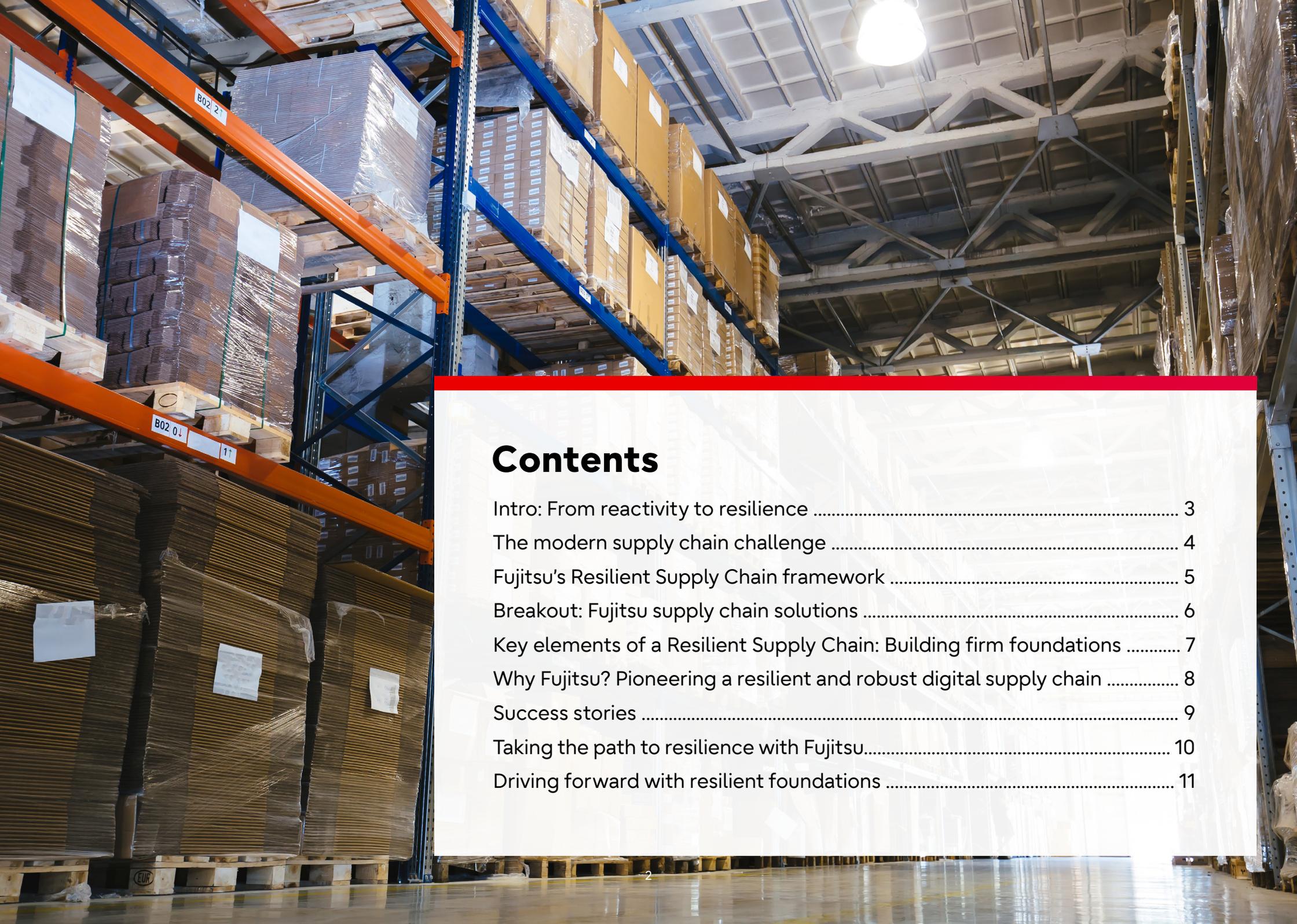
# Resilient Supply Chain: Drive Digital Agility



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## Contents

Intro: From reactivity to resilience .....	3
The modern supply chain challenge .....	4
Fujitsu's Resilient Supply Chain framework .....	5
Breakout: Fujitsu supply chain solutions .....	6
Key elements of a Resilient Supply Chain: Building firm foundations .....	7
Why Fujitsu? Pioneering a resilient and robust digital supply chain .....	8
Success stories .....	9
Taking the path to resilience with Fujitsu.....	10
Driving forward with resilient foundations .....	11

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## From reactivity to resilience

Across the history of commerce, supply chains have continually morphed, reshaped, and adjusted to an ever-evolving world. Fueled by globalization and technological advancement, the supply chain dynamics of today are a far cry from their predecessors.

Access to global markets and the ability to swiftly share data across continents promises boundless opportunities. Yet, it's precisely this intricate and connected nature that has introduced an array of vulnerabilities, from unforeseen global disruptions to changing supply chain regulations.

Agility is one piece of the puzzle, allowing producers to react to sudden shifts in demand patterns or temporary bottlenecks. However, in the face of large-scale global disruptions and paradigm shifts, reactivity alone might leave organizations on the back foot.

Enter resilience.

A resilient supply chain isn't just about bouncing back; it's about anticipating, absorbing, and innovating in the face of adversity. It's about ensuring that when shocks come – as they inevitably will – operations don't just survive but continue to thrive, ensuring continuity and minimizing disruptions.

At Fujitsu, we foresee a future where supply chains, reinforced by the dual pillars of agility and resilience, operate seamlessly amidst the unpredictable. Through our Resilient Supply Chain framework, we're committed to partnering with businesses to ensure they transition from a reactive stance to a resilience-first approach.

## The modern supply chain challenge

As the world becomes more interconnected than ever, modern supply chains mirror this vast, sprawling network. They extend across continents, pulling together a great number of variables, from raw materials sourced in one corner of the globe to products landing in the hands of consumers thousands of miles away. This intricate network, while enabling unparalleled opportunities, also bears within its inherent fragility – a paradox that businesses contend with daily.

### Strength in numbers, vulnerability at scale

Despite their robust appearance, modern supply chains are susceptible to a range of challenges. Natural disasters, such as tsunamis or hurricanes, have historically wreaked havoc. However, even seemingly minor occurrences can send ripples across global commerce, causing significant delays in transit.

The geopolitical landscape further exacerbates the challenge. Trade wars, sanctions, or political unrest can swiftly alter the trajectory of goods, forcing companies to reroute, renegotiate, or even restructure their supply chain operations. For global businesses, the onus is on ensuring continuity amidst the flux.

### The consumer: A new variable

The modern, informed consumer has become a dynamic variable in this equation. Driven by the choices available to them, their behavior is fluid, leading to volatility in demands. This shift in expectations means supply chains must be agile enough to cater to these ever-changing impulses, without compromising efficiency.

Beyond just products, today's consumers, along with regulatory bodies, emphasize sustainable and ethical practices. This shift pushes organizations to take a deeper look into their supply chain, ensuring partners align with these evolving values.

### Tech: A double-edged sword

Technological advancements, while bringing immense opportunities, have also ushered in a new set of challenges. Cyber threats, data breaches, or even software issues can halt a well-functioning supply chain. And while manufacturers often secure their digital assets, the supply chain's interconnected nature means that vulnerability at a single partner or supplier's end can expose the entire system to potential disruptions.

## Fujitsu's Resilient Supply Chain framework

Amid rapid change, the need for a supply chain that can remain strong in the face of potential disruptions has never been more important. Our Resilient Supply Chain framework addresses the complexities of modern-day supply chains by intertwining agility, robustness, and foresight.

### A holistic approach to resilience

We view supply chains as a cohesive ecosystem, where every connection point is carefully analyzed for potential vulnerabilities and areas for enhancement. This holistic approach ensures that the entire system benefits from robust risk management, without leaving any stone unturned.

### Harnessing the power of real-time data and predictive analytics

At the heart of our framework lies the capability to recalibrate operations swiftly, drawing from real-time data and predictive analytics. This means that instead of reacting to disruptions after they occur, businesses can anticipate potential challenges and pivot their strategies proactively, ensuring operational continuity even in the face of unforeseen disruptions.

### Unified data integration

By integrating and standardizing data across systems, we empower organizations to identify, assess, and swiftly mitigate potential risks in their supply chains. This seamless flow of information ensures a 360-degree view of operations, allowing for timely interventions and strategic recalibrations.

### Solutions powering the resilient supply chain framework

Our suite of tailored solutions stands as the engine driving this transformative framework. From the real-time monitoring capabilities of Fujitsu Track and Trust, the operational value of GLOVIA OM and GLOVIA smart PROFOURS, to the strategic oversight enabled by Digital Supply Chain Management and GlobeRanger, we provide businesses with the tools they need to make informed, timely, and strategic decisions.

### A vision of sustainable, ethical resilience

For Fujitsu, resilience isn't just about weathering storms – it's about doing so sustainably and ethically. Our framework is designed to ensure that supply chains, while robust, also prioritize sustainable and ethical practices. This twin focus ensures long-term success and fortifies brand reputation in an increasingly conscious global market.

### Collaborative resilience: A unified response

Recognizing that the strength of a chain is truly determined by each link, we emphasize collaboration among all stakeholders. From suppliers to end-users, we facilitate a culture of synchronized response, ensuring that the entire supply chain operates as a unified entity, ready to address emerging challenges collectively.



## Fujitsu supply chain solutions

**Fujitsu Track and Trust** is a digital ledger technology that enables supply chain transparency and trust for manufacturers. It provides an immutable, tamper-proof record of an item's journey from production through distribution, verified at each step. This gives manufacturers end-to-end visibility and traceability, improving efficiency, reducing waste, and proving authenticity.

**Glovvia OM** is a cloud-based order management system that provides manufacturers a simplified, unified interface to streamline processes, gain visibility into operations, and deliver exceptional customer experiences across sales, fulfilment, and partner channels.

**Digital Supply Chain Management** offers end-to-end digital supply chain solutions leveraging IoT, RFID, data analytics, and AI to provide manufacturers real-time visibility, predictive maintenance, automated inventory and asset management, and optimized productivity across the value chain.

**GLOVIA smart PROFOURS** draws on Fujitsu's know-how gained from implementing production planning systems at many leading companies. The integrated production planning solution manages plans for all operations such as sales, supply and demand, manufacturing and procurement.

**GlobeRanger** provides manufacturers with IoT and asset tracking solutions using technologies like RFID and Bluetooth to gain real-time visibility into inventory, production, and supply chain. This enables data-driven process optimization and cost efficiencies for business transformation.

## Key elements of a Resilient Supply Chain: Building firm foundations

At the core of a truly resilient digital supply chain are certain indispensable elements that work together to create a defence against disruptions. Fujitsu, with our deep industry insights, recognizes and integrates these elements, weaving them into a singular, cohesive system geared towards resilience. Let's explore these elements and understand their significance in crafting a supply chain that stands the test of time:

1

### Visibility and transparency

**What it means:** A panoramic view of the entire supply chain, providing insights into flow dynamics, inventory levels, and potential chokepoints.

**Why it's crucial:** With this bird's-eye view, businesses can act proactively, anticipating challenges and adjusting strategies before potential issues escalate.

2

### Flexibility and adaptability

**What it means:** An agile supply chain that can adapt rapidly in response to sudden changes, whether they be from shifting demand patterns or unforeseen external events.

**Why it's crucial:** In a world of flux, the ability to adapt in real time determines whether a business thrives.

3

### Collaboration and communication

**What it means:** Seamless communication channels between all entities in the supply chain, from suppliers to distributors.

**Why it's crucial:** A united front and coordinated response to challenges ensure efficiency, mitigating the ripple effect of disruptions.

4

### Advanced forecasting

**What it means:** Utilizing predictive analytics and AI-driven tools to anticipate potential roadblocks and challenges.

**Why it's crucial:** With accurate forecasting, businesses can shift gears proactively, avoiding pitfalls and maximizing opportunities.

5

### Continuous improvement

**What it means:** An iterative approach to supply chain management, with strategies constantly refined based on data and insights from past events.

**Why it's crucial:** The past is a treasure trove of lessons. By continually iterating and improving, businesses evolve, becoming more robust with each challenge faced.

6

### Sustainability and ethics

**What it means:** A commitment to sourcing ethically and operating with an environmental conscience.

**Why it's crucial:** Beyond the moral imperatives, a sustainable and ethical supply chain promotes stakeholder trust, ensures long-term viability, and protects brand reputation.

Harnessing these foundational elements, Fujitsu's resilient supply chain framework offers businesses the assurance of continuity, agility, and integrity. By focusing on these pillars, we ensure that supply chains are not just equipped for today's challenges but are future-ready, setting the stage for sustainable success.



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## Why Fujitsu? Pioneering a resilient and robust digital supply chain

A resilient supply chain is becoming a non-negotiable asset in global commerce. And when organizations incorporate Fujitsu's Resilient Supply Chain framework, the results can be transformative. Combining a deep-rooted history in manufacturing with dynamic solutions, we present a comprehensive formula for supply chain robustness. Here's what sets Fujitsu apart:

### Optimized processes with real savings

Our approach to refining digital supply chain processes has a domino effect: reduced waste, accelerated cycle times, and diminished costs. This not only bolsters efficiency but directly amplifies profitability.

### Visibility: The power of proactive decisions

Perfect smoothness in supply chain operations is a utopian dream. Given the range of unpredictable factors, some efficiency loss is inevitable. Yet, with the enhanced visibility our solutions enable, organizations can identify setbacks in one domain and swiftly counterbalance in another. The power to pivot with options during unforeseen circumstances can be a monumental advantage.

### Disruption preparedness equals financial stability

While disruptions are unavoidable, their impact can be mitigated. A resilient supply chain, fortified by Fujitsu's framework, can adapt and rebound, curtailing potential financial setbacks.

### Authentic legacy and experience

Our own journey as a manufacturer equips us with genuine experience and insights, offering solutions that are distinct from competitors and creating bonds of trust with customers.

### Integrated partnerships and solutions

Collaborations with trusted industry names like SAP and Blue Yonder augment our solution suite, ensuring businesses remain agile and competitive in ever-fluctuating market dynamics.

### Sustainability and growth

Beyond efficiency, Fujitsu embeds sustainability at the core of our supply chain solutions, ensuring long-standing business viability and a strong commitment to our planet's well-being.

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## Success stories

### Toll Group

Toll Group needed to modernize its legacy data platforms which were difficult to access and lacked reporting capabilities. They partnered with us to migrate their data to Microsoft Azure cloud, build a new self-serve data platform, and create bespoke reporting solutions. This provided Toll Group with a secure, easy to use modern data platform enabling advanced analytics and future growth.

### Hamburg Port

The Hamburg Port Authority and Fujitsu demonstrated how quantum-inspired algorithms optimized traffic flows, reducing congestion and CO<sub>2</sub> emissions up to 9%. Our Digital Annealer accelerated logistics, enabling faster ship turnarounds and truck movements within the port's confined footprint. This world-first solution increased supply chain capacity and sustainability.





## Taking the path to resilience with Fujitsu

Resilience is no longer a luxury – it's an imperative. A cohesive strategy paired with decisive action paves the way to this resilience. Here's our process for how your organization can take the transformative leap to fortified supply chain infrastructure with Fujitsu.

### Commencing with a detailed audit

Every journey begins with understanding the starting point. Our approach prioritizes a thorough supply chain evaluation, meticulously identifying vulnerabilities, inherent strengths, and avenues ripe for growth.

### Encouraging collaboration

At Fujitsu, every strategy is crafted in tandem with our customers. Together, we delineate plans that resonate with organizational objectives, addressing industry-specific challenges head-on.

### Harnessing the power of digital tools

Our suite of digital tools, purpose-engineered for supply chain fortification, ensures seamless integrations and a more streamlined operational framework.

### Emphasizing instant feedback

In the dynamic world of supply chains, real-time analytics and swift feedback loops are quintessential. Fujitsu underscores this, ensuring agility even in the face of rapid market shifts.

### Aligning performance with compliance

Our solutions safeguard supply chains, ensuring they not only meet operational targets but also align with global sustainability criteria and regulatory mandates.

### Simulating challenges for proactive solutions

Real-world disruptions demand real-time solutions. We equip our customers' supply chains with the capacity for real-life disruption simulations, ensuring swift optimization and adaptability.

### Solutions tailored to industry nuances

Whether it's the automotive terrain, the intricate world of industrial machinery, or the vast expanse of food manufacturing, we offer solutions tailored to sector-specific intricacies.



## Driving forward with resilient foundations

In an era where supply chain disruptions have become commonplace, resilience is critical to success. Fujitsu's Resilient Supply Chain framework is more than just a solution – it's a philosophy that reflects our commitment to ensuring businesses not only navigate today's supply chain challenges but also move forward with confidence, efficiency, and sustainability at the center.

## Are you ready to reinvent resilience?

Let's co-create a supply chain that's not only robust and agile but also future-ready and sustainable.

**Reach out to our team and take the next step on your journey towards unparalleled resilience, efficiency, and growth.**