

Turning Supply Chain Complexity into Competitive Advantage

How 15 leading manufacturers transformed their supply chain



Introduction

Amid growing complexity and constant disruption, a select group of manufacturers are proving that supply chain complexity can be a competitive advantage. From decades of hard-earned expertise to bold innovations in resilience and measurable business impact, their stories reveal the strategies setting the pace for the industry. Together, these 15 stories showcase what's possible when supply chain complexity meets **clarity, precision, and purpose.**

Within this collection, three themes emerge from the most successful supply chain leaders:

Expertise Amplified

When decades of supply chain wisdom meets the precision of inventory optimization.

Resilience Redefined

Manufacturing strength through uncertainty.

Impact Multiplied

Where supply chain optimization meets financial transformation.

One Tool, 40 Sites, 12% DOI Drop

Unifying global operations at Johnson Controls

Challenge

Johnson Controls, a global diversified technology and multi-industrial leader, needed to centralize supply chain operations across 40 sites. This initiative aimed to overcome the complexities of managing disparate systems and data across numerous global locations.

Solution

By implementing LeanDNA, a single, unifying tool, Johnson Controls enabled all its sites to "speak the same language" and centralize their data in one accessible location. This standardized approach facilitated better communication, collaboration, and data-driven decision-making across their extensive network.

Results

The immediate impact was significant, with Johnson Controls achieving a **remarkable 12% reduction in Days on Hand Inventory (DOI) and a 28% Improved Supplier Commitment within the first year.** Showcasing the powerful efficiency gains and cost savings that can be realized through integrated supply chain management.

“

When you have the challenge of multiple ERP systems in your organization, a tool and solution comes in handy because you have one location to look at all your data.

Ximena Wilson
Director of Global Inventory & Materials Planning

1 tool, 40 sites.

12%
DOI drop

28%
Improved supplier
commitment

[Read JCI's story.](#)



How Terumo BCT Cracked the Code on Raw Material Inventory Control.

“

The opportunities to optimize inventory have been significant. We have been able to leverage LeanDNA to actually optimize our inventory. We have more fiscal discipline around our raw material inventory controls.

Ruben Estrada, Director Integrated Business Planning at Terumo Blood Cells & Technology

Challenge



Terumo BCT, a leader in medical device manufacturing, faced the critical challenge of optimizing raw material inventory across its organization. Their goal was to gain better fiscal discipline and achieve flexibility with real-time insights, moving beyond simply reducing inventory to also ensuring the right materials were available at the right time.

Solution



By leveraging LeanDNA, Terumo BCT established a foundation of standardized work and consistent measurement. This enabled them to not only gain quick, clear visibility into their inventory but also to identify specific opportunities to either reduce excess stock or strategically increase holdings of crucial materials. The ability to create custom dashboards with key metrics on user engagement, inventory levels, excess and obsolete materials, and purchase requisitions further empowered their teams.

Results



The impact on inventory optimization has been significant. Terumo BCT achieved greater fiscal discipline around their raw material inventory controls. Beyond just reductions, they gained the flexibility to make informed decisions daily, ensuring they have the right materials at the right time. This continuous visibility and standardization also revealed even more optimization opportunities for the future.

[Watch the full video](#)



Goodbye, shortages!

Modine's Supply Chain Standard Delivers **40% Reduction**

Challenge

Modine, a global leader in thermal management, faced persistent material shortages and supplier delays across its operations. To overcome these challenges, the company needed to standardize supply chain workflows and shift toward more data-driven decision-making.

Solution

By implementing LeanDNA, Modine gained clearer visibility into their operations and established standard work processes with reliable, high-quality data. This allowed for more informed and proactive management of their supply chain.

Results

Modine demonstrates the power of a standardized, data-centric approach to supply chain management with their achievements:

40%

Reduction in material shortages

50%

Reduction in supplier past dues

10%

Inventory drop

Improved Clear to Build Percentages

“

If you want to have data driven decision making, you've got to have data, and it's got to be good.

James Dawsey, Director
Supply Chain Data & Technology

[Watch full video](#)

[Read Modine's story](#)



Flowserve's daily download:

Real-Time Visibility Fuels Powerful Decisions

What



Flowserve, a leading provider of flow control products and services, sought to enhance its daily decision-making by achieving real-time, comprehensive visibility across its global operations.

How



Leveraging LeanDNA to provide daily updated information, Flowserve established a connected organization where visibility extends from the factory floor all the way up to the VP of Operations. This ensures everyone has access to the most current data.

Results



This daily updated visibility has proven to be incredibly powerful, enabling Flowserve to make more agile and informed decisions across their different sites and connect teams more effectively.

“

LeanDNA is giving us the opportunity to have connections and visibility to the different sites, and really connect the teams together. Having the opportunity to see daily updates and make decisions on a daily basis is very powerful.

Elena Rodriguez, Global SIOP / Materials Management Director

[Watch the full video](#)

Hydraforce's clear view:

20% Inventory Turn Gains—Without Supply Disruptions

Challenge

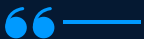
Hydraforce faced a heavy workload tied to manual MRP management, relying on Excel-based processes that offered some customization but lacked integration, collaboration, and speed. Pulling together the right data for decision-making was time-consuming, and the purchasing team struggled to prioritize shortages and anticipate future risks.

Solution

Taking a strategic approach to automating task management enabled data-driven decisions with LeanDNA. They gained a 360-degree view of inventory and procurement policies—maximizing every inventory dollar, optimizing part-specific purchasing strategies, and right-sizing stock without jeopardizing production.

Results

The transformation delivered rapid, measurable improvements. This wasn't just a process change—it was an organizational shift. Clear visibility and accessible data empowered teams to anticipate issues, optimize performance, and better align operations with customer needs. The improvements have touched every level of the supply chain, strengthening Hydraforce's strategy and service to customers.



In the best case, we have seen a statistical shift in one facility's stock turns increasing by 20% whilst shortages remained stable by utilizing the standard work.

Chris Carswell
Global Supply Chain Excellence Manager

97%

Reduction in PO adjustments

20%

Increase in forward inventory turns

Improved shortage prioritization and proactive management of future risks

Reduced workload and improved supplier efficiency

[Read Hydraforces's story.](#)



Unstoppable Automotive

39% Shortage Reduction in Just 7 Months.

Challenge

E-ONE, a pioneering automotive parts manufacturer, faced potential production halts and inventory shortages due to global supply chain disruptions like the semiconductor shortage. Their prior manual processes led to excessive time spent on data analysis rather than proactive problem-solving.

Solution

By implementing LeanDNA, E-ONE gained future-looking visibility for demand forecasting, enabling them to provide suppliers with 6-12 month advance forecasts. This also improved supplier communication integrity and fostered a data-driven, action-oriented culture. The tool created standardized workflows and dashboards, redirecting their buying team from prep work to strategic tasks.

Results

This proactive approach resulted in a remarkable 39% reduction in inventory shortages within just seven months. E-ONE successfully navigated severe supply chain challenges, ensuring on-time delivery of essential vehicles without penalties or expedite fees, ultimately enhancing their production capabilities and market position.

“

When dealing with potential shortages, we have the ability to generate clarity and ultimately prioritize anything that could actually impact an order or shipment.

Richard Knutz
Director of Planning and Materials

[Read E-ONE's story](#)

97% On-Time. Every Time.

Medical Device Manufacturer's Strides in COTD

Challenge

A leading medical device manufacturer faced significant inventory challenges during the onset of the COVID-19 pandemic, including managing unexpected demand spikes and ensuring a consistent supply of critical components. They needed to quickly gain control and visibility over their inventory to adapt to the volatile market.

Solution

The manufacturer implemented LeanDNA to provide real-time, comprehensive visibility across their entire inventory. This enabled them to quickly identify and react to massive shifts in demand, prioritize actions effectively, and maintain an organized, data-driven approach to their inventory management, even for custom-manufactured parts.

Results

Amid the chaos of the pandemic, the manufacturer achieved a remarkable:

- 20% inventory reduction in 12 months (with an initial 9.3% in 5 months)
- 97% customer on-time delivery rate
- 50% priority shortage avoidance in 3 months
- 10X ROI in 6 months.

This success highlights their ability to not only control costs but also consistently meet customer needs under pressure.

97%

Customer on-time delivery

50%

Priority shortage avoidance

20%

Inventory drop

10x

ROI in 6 months

“

Timing is everything for us right now. With LeanDNA, we can look at all of our inventory quickly and react to massive spikes in demand within minutes, if that. It gave us an extreme upper hand. We are organized and know exactly what needs to be done.

Lead Buyer

[Read the full story](#)

20% Inventory Drop, Fewer Shortages, Better On-Time Delivery.

Cirtec's triple win.

Challenge

Cirtec, a leader in outsourced medical device solutions, aimed for a triple win: a significant inventory reduction, proactive prevention of material shortages, and simultaneous improvement in their customer on-time delivery (COTD). They sought to safeguard their production lines and ensure uninterrupted supply to customers.

Solution

Cirtec achieved these goals by implementing LeanDNA to enhance visibility and actionable insights for data-driven decisions. This allowed them to clearly prioritize efforts and focus on critical areas, proactively identifying and mitigating potential material shortages before they could impact production.

Results

Cirtec successfully realized its "triple win," achieving a 20% reduction in inventory while simultaneously decreasing material shortages and improving customer on-time delivery. This demonstrates their ability to rightsize inventory without compromising delivery performance, solving a critical balancing act in supply chain management.



We found that we could rightsize our inventory and maintain and improve our on-time delivery at the same time. That's the problem we needed to solve.

Tim Binder
Supply Chain Director at Cirtec

20%

Inventory drop

Read more of
the story





Beyond spreadsheets:

Caterpillar's 70-Hour Weekly **Time-Saving Revolution**

Challenge

Caterpillar was burdened by inefficient, manual processes for data consolidation and analysis, relying heavily on disparate sources and spreadsheets. This fragmented approach consumed valuable time, with analysts spending 70+ hours per week on manual prep work rather than strategic decision-making.

Solution

Caterpillar successfully implemented LeanDNA to consolidate disparate sources of information to eliminate data silos, thereby creating a single source of truth with real-time insights. This fostered collaborative efforts and instilled a culture of data-driven decision-making, empowering their team.

Results

By breaking free from manual processes and embracing a unified data approach, Caterpillar achieved a groundbreaking 70+ hours of time savings per week. This revolution in efficiency allowed their team to embrace innovation, become more productive, and focus on higher-value activities.

A large, dark blue clock icon is positioned to the left of the number '70'. The clock face is a circle with a stylized 'L' shape inside, representing the hands of a clock.

70

**Hours saved per
week**

[Read CAT's story](#)



Radius Aerospace reacts faster:

Agility Wins in the Face of Disruption.

Challenge

Radius Aerospace, facing an unpredictable and often disruptive aerospace market, prioritized agile inventory management to stay ahead of challenges and protect critical working capital. Their core focus was on increasing responsiveness and building customer trust through faster reactions to disruptions.

Solution

Radius Aerospace leveraged LeanDNA for deeper visibility into their supply chain data. This enhanced visibility enabled them to quickly identify critical areas, increase their bandwidth, and shift from a reactive to a proactive mode of operation, allowing them to manage cash more effectively.

Results

By increasing their agility and responsiveness, Radius Aerospace significantly improved their ability to manage cash and protect working capital, even in the face of market disruptions. This proactive approach not only enhanced internal efficiency but also fostered greater trust with their customers.

“

The quicker I can react, the better I can manage cash. LeanDNA focuses my attention on what's most important based on the parameters I've set, increasing my bandwidth and getting me out of reactive mode.

Darren Hill
VP of Commercial Supply Chain

[Read Radius' story.](#)

The \$80 Million Decision: How Aerospace Leaders Turned Supply Chaos into **Competitive Gold**

Challenge

A global aerospace manufacturer was challenged with optimizing its vast inventory to free up significant working capital. Their existing processes were inefficient, making it difficult for analysts to move beyond basic reporting to strategic, results-driven actions.

Solution

LeanDNA provided smart inventory recommendations and automated analysis, the manufacturer enabled its analysts to drastically reduce time spent on manual reporting. This shift allowed their team to focus on deeper data analysis and driving tangible improvements across the supply chain.

Results

- \$80 million freed up in working capital
- 16% inventory reduction
- 90% customer on time delivery

This substantial financial impact shows how streamlined processes and data-driven insights can turn inventory from a cost center into a competitive advantage.



With LeanDNA, our analysts spend less time writing reports and more time analyzing data and driving results.

VP, Global Supply Chain
Global Aerospace Manufacturer

90%
COTD

Read more of
the story





100% CTB, Nearly 50% Fewer Shortages!

Autronica's perfect score.

Challenge

Autronica, a leading supplier of fire and gas safety systems, faced challenges with fragmented data and the inability to quickly see and act on material shortages, impacting their production schedule and Clear To Build (CTB) performance.

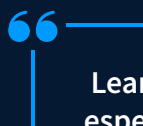
Solution

LeanDNA provided clear visibility into inventory and material status, Autronica was able to streamline communication across departments and gain deeper insights. The tool allowed for easy data visualization, even for leaders not in the daily details, and enabled specific filtering by production line, a capability previously unavailable through their ERP.

Results

This enhanced transparency and streamlined communication led to dramatic improvements, with Autronica achieving:

- 100% Clear To Build (CTB) percentage
- 46% reduction in material shortages
- 12% Improvement in inventory turnover
- 73% Shortage reduction per order



LeanDNA has helped visualize our data, especially for leaders who are not in the details all the time. I can open LeanDNA and show my boss the data in a visualized way. I can even filter by production line, something I could never do in the ERP.

Thea A Tysnes
Material Scheduler

100%

Clear To Build

46%

Reduction in
material shortages

12%

Improvement in
inventory turnover

73%

Shortage reduction
per order

[Read Autronica's story.](#)



From Chaos to Cash at Spirit Aerosystems

Finding “endless volume of savings” in supply chain

“

[LeanDNA] will make your organization better, stronger, faster, more productive, and all of that equals cash savings.

Dustin Dunn

Inventory and Technology Leader of Global Supply Chain

Challenge



Spirit Aerosystems faced the pervasive challenge of data chaos, relying on disparate spreadsheets that complicated data analysis and hindered unified decision-making. They needed a way to standardize data access and integrate information to uncover hidden savings.

How



By implementing LeanDNA to build a robust foundation for inventory forecasting methods, Spirit Aerosystems moved beyond "spreadsheet chaos." This ensured they had the same data, at the same time, in the same way, enabling smart inventory actions that unlocked an "endless volume of savings."

Results



This transformation from data chaos to clarity made Spirit Aerosystems' organization "better, stronger, faster, more productive," directly translating into significant and continuous cash savings by optimizing their inventory and supply chain operations.

[Watch the full video](#)



Husky's 6 month Shockwave

59% fewer shortages, 24% less excess

Challenge

Husky Shanghai aimed to achieve a dual objective: a significant reduction in material shortages and a simultaneous decrease in excess inventory. They sought to improve their digital supply chain synchronization and leverage key data insights for better inventory decisions across shortage levels, excess, and delivery performance.

Solution

Husky achieved these dramatic improvements by leveraging accurate, real-time data through the LeanDNA platform. This empowered them to make smarter inventory decisions and optimize their end-to-end operations, ensuring better control over their material flow.

Results

In just six months, Husky Shanghai achieved a 59% reduction in critical shortages and a 24% decrease in excess inventory. These improvements in overall supply chain performance are expected to bring substantial savings and ultimately support their business growth.

24%

Less excess

59%

Fewer shortages

With improvements in our overall supply chain performance, including delivery, excess orders, and inventory, this will definitely bring savings and ultimately support our business.

David Yan
Purchasing Team Leader

[Read Husky's story](#)

From Delays to Dependability

Qarbon Aerospace Achieves 44% Supplier Reliability Gains

Challenge

Qarbon Aerospace, a leading manufacturer in the aerospace sector, grappled with persistent supply chain challenges—stock discrepancies, forecasting errors, disruptions, shipment delays, and competing priorities. The most pressing issue: delayed access to the data and analytics needed to make timely, informed decisions that directly affected customer delivery performance.

Solution

To address these challenges, Qarbon Aerospace implemented LeanDNA as their intelligent supply chain execution platform. The solution brought structure, consistency, and visibility across processes, enabling more resilient and responsive operations.

Results

In just six months, LeanDNA adoption across roles—from buyers to delivery assurance experts—delivered measurable improvements. The impact was felt across the organization. Supply chain leaders gained the insights needed for strategic decision-making, buyers streamlined their day-to-day work, and delivery assurance teams could proactively address future risks. This organization-wide visibility and collaboration has strengthened Qarbon Aerospace's ability to plan, forecast, and deliver—keeping their operations and customers on schedule.

“

The biggest change I've seen is the visibility to review shortages and past-due purchase requirements daily. It saves me a lot of time by keeping my reports organized and easily accessible.

Rhonda Knight
Buyer

Daily Visibility into shortages and past-due orders, **saving time** and streamlining workflows

Faster identification of at-risk parts & deliveries

Fewer purchase requirements falling outside of lead time

44%
Improvement in supplier delivery scores

[Read Qarbon's story](#)

You've Seen Their Success — Now See What It Could Look Like for You.

Uncover the strategies behind our customers' results
and the opportunities waiting in your supply chain.

[Request a demo](#)

