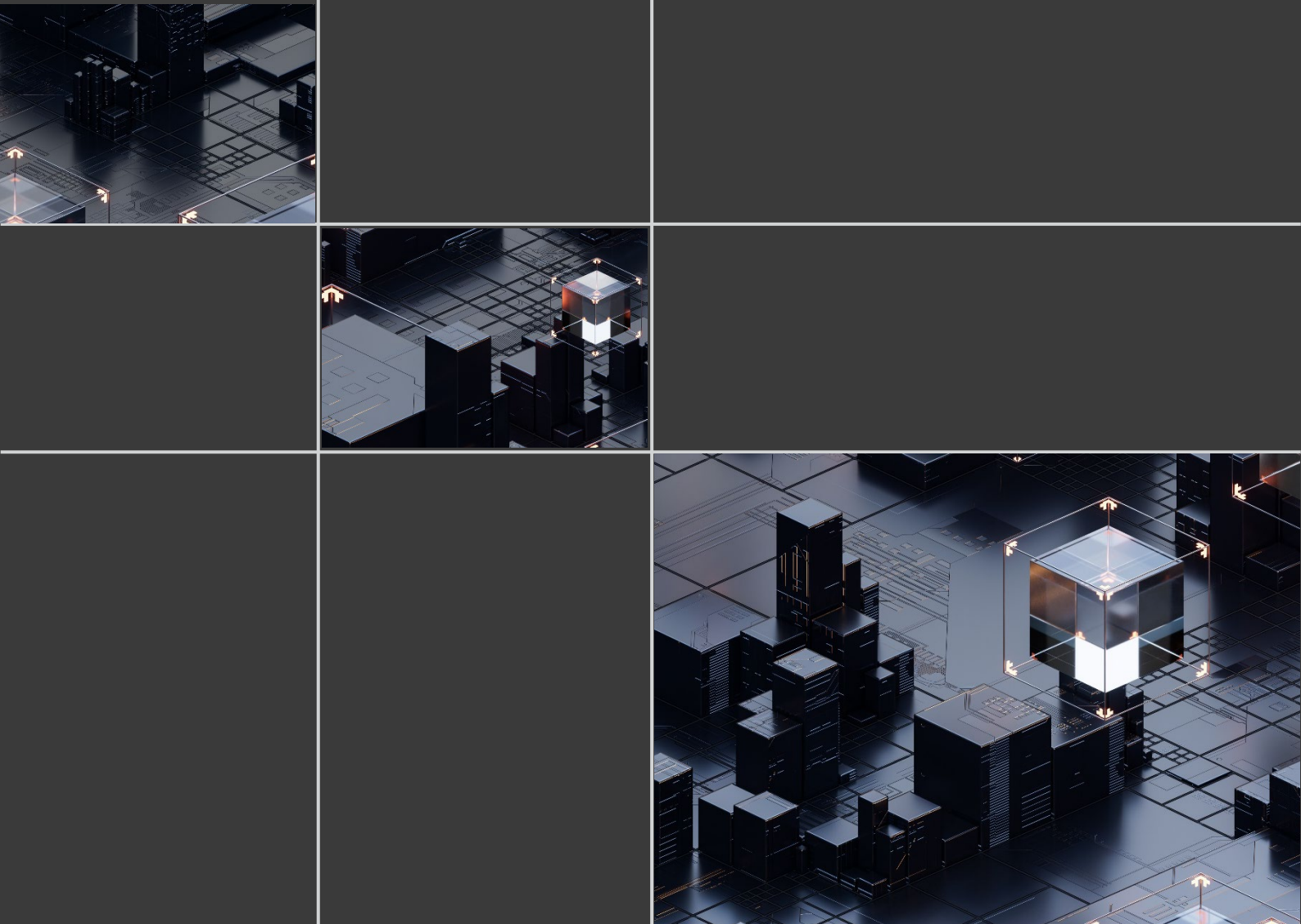


The logo for Tiger Analytics, featuring the company name in a white serif font with a stylized orange and white tiger stripe graphic under the word 'Analytics'.

Tiger
Analytics

A Global Industrial
Leader Unlocks
Millions in Savings

Using Data-Driven Insights for Supply Chain Efficiency



A Summary



Supply chain efficiency
by leveraging data

A global manufacturing leader aimed to enhance its supply chain efficiency by leveraging data to optimize inventory management and reduce costs.

The focus was on improving key areas such as component inventory, freight shipment optimization, and vendor performance to drive more informed decisions across the supply chain.

The Background

Our client, a leader in the manufacturing of industrial tools and household hardware, was exploring advanced analytics to improve supply chain efficiency

We partnered with them to address key challenges such as component inventory optimization, inventory rebalancing, and freight shipment cost reduction. Our solutions also focused on improving OTIF management, vendor quote analysis, and spend analytics while supporting new product development and SKU portfolio management.

By leveraging data-driven insights, we empowered the client to make more informed decisions across various facets of their supply chain, from safety stock planning to contract analysis.



Our Solution



- Developed an **optimal inventory estimation model** to ensure sufficient stock levels for fluctuating demand while minimizing excess inventory across plants.
- Enabled visibility into current inventory level across its supply chain network, with a **centralized platform** to track materials, BOMs and demand in real-time.
- **Automated** the estimation and reporting of component shortages, improving response times to global supply chain disruptions like port delays and fluctuating demand.
- Created a **Safety Stock Planner** at the SKU level to bridge gaps between planned and actual inventory, accounting for changes in demand and ensuring order fulfillment.
- Implemented **inventory optimization solutions** to analyze deviations from planned inventory levels, helping to re-balance stock and reduce stock-outs.
- Developed a **diagnostic framework** to evaluate OTIF performance, identify root causes of failures, and drive improvements in customer service levels.
- Built a comprehensive **spend analytics dashboard** and integrated vendor data across ERPs, providing real-time insights into procurement and spend management.
- Designed a **platform for portfolio management and new product development** to evaluate product performance, optimize SKUs, and drive margin growth by rationalizing underperforming products.

Value Delivered



Enabled a 15% improvement in OTIF performance, generating annual savings of \$5 million, and improved component allocation, resulting in a 35% increase in GSV.



Realized \$18.1 million in savings by optimizing inventory working capital through the maintenance of optimal safety stock levels and \$20 Million through improved inventory management across all plants.



Delivered actionable insights that contributed to a 13% improvement in portfolio fill rate for the US region, driving improved margins and increasing NPS scores.



Developed a data lake and advanced analytics platform, optimizing procurement and spending strategies and identifying growth opportunities, including an estimated \$6.3 Million in potential additional revenue from new product strategies.



Automated key supply chain processes, saving 25% weekly effort per planner and improving shipment and component allocation efficiency by 20%.

We provide certainty to shape a better tomorrow



Tiger Analytics is a global leader in AI and analytics, helping Fortune 1000 companies solve their toughest challenges. We offer full-stack AI and analytics services & solutions to help businesses achieve real outcomes and value at scale. We are on a mission to push the boundaries of what AI and analytics can do to help enterprises navigate uncertainty and move forward decisively.

Being a recipient of multiple industry awards and recognitions, we have **4500+** technologists and consultants, working from multiple cities in 5 continents.

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