



Comprehensive Supply Chain Management

Exploring Enhanced Operational Efficiency

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Presenter



Agenda

Exploring Key Components of the SCM Dashboard Using Tableau

01

Introduction to SCM Dashboard

Create a comprehensive Supply Chain Management, industries such as manufacturing, retail, healthcare, and logistics

02

Key Insights from Data

Process of collecting, analyzing and interpreting data related to the movement of products and services from suppliers to customers

03

Operational Efficiency Metrics

Metrics that measure the efficiency of supply chain operations, such as lead times and inspection rates.

04

Revenue Growth Analysis

Analysis showcasing a 15% increase in revenue due to supply chain optimizations.

05

Recommendations for Improvement

Strategic recommendations aimed at enhancing supply chain performance and reducing costs.

06

Conclusion and Next Steps

Summarizing findings and outlining the next steps for implementing recommendations.

Introduction to SCM Dashboard

Optimizing Supply Chain Activities with Real-Time Insights

Real-Time Inventory Monitoring

Constantly tracks inventory levels to avoid stockouts or overstock situations.

Order Fulfillment Rates

Analyzes order fulfillment rates to ensure customer orders are completed on time.

Supplier Performance Metrics

Evaluates supplier performance to optimize sourcing and strengthen partnerships.

Transportation Efficiency

Assesses transportation methods to improve delivery speed and reduce costs.

Cost Analysis

Conducts a thorough cost analysis to identify areas for potential savings.

Bottleneck Identification

Helps in spotting bottlenecks in the supply chain process for timely interventions.

Opportunity Recognition

Enables recognition of new opportunities for improving supply chain efficiency.

Key Insights from Data

Significant improvements from supply chain optimization

15%

Increased Revenue

Our supply chain optimization led to a 15% increase in total revenue.

20%

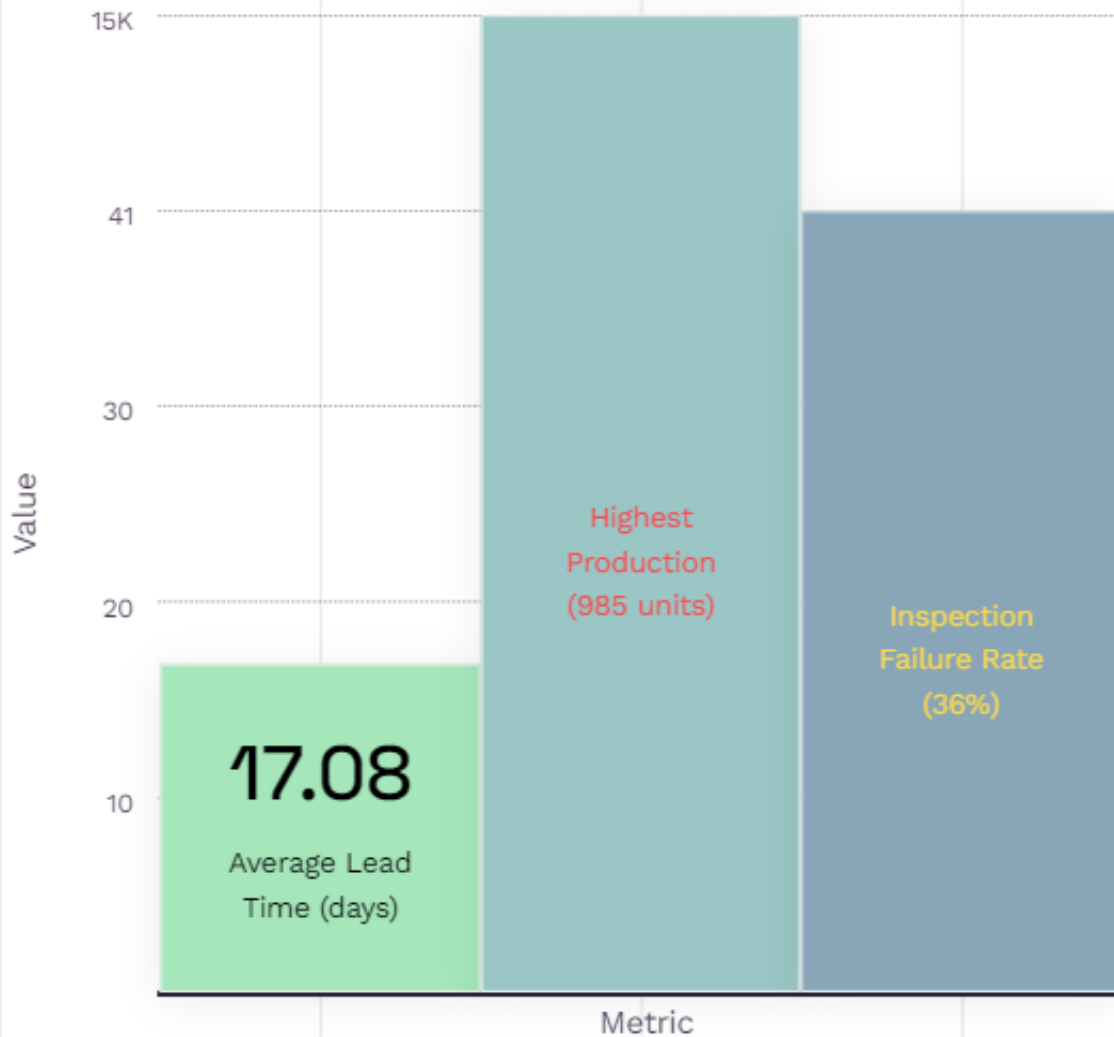
Reduced Lead Times

Streamlined routes and efficient management have reduced lead times by 20%.

10%

Cost Savings

Implementing cost-effective strategies has resulted in a 10% reduction in overall costs.



Source: Companies Market Cap

Operational Efficiency Metrics

Key metrics for optimizing supply chain performance.

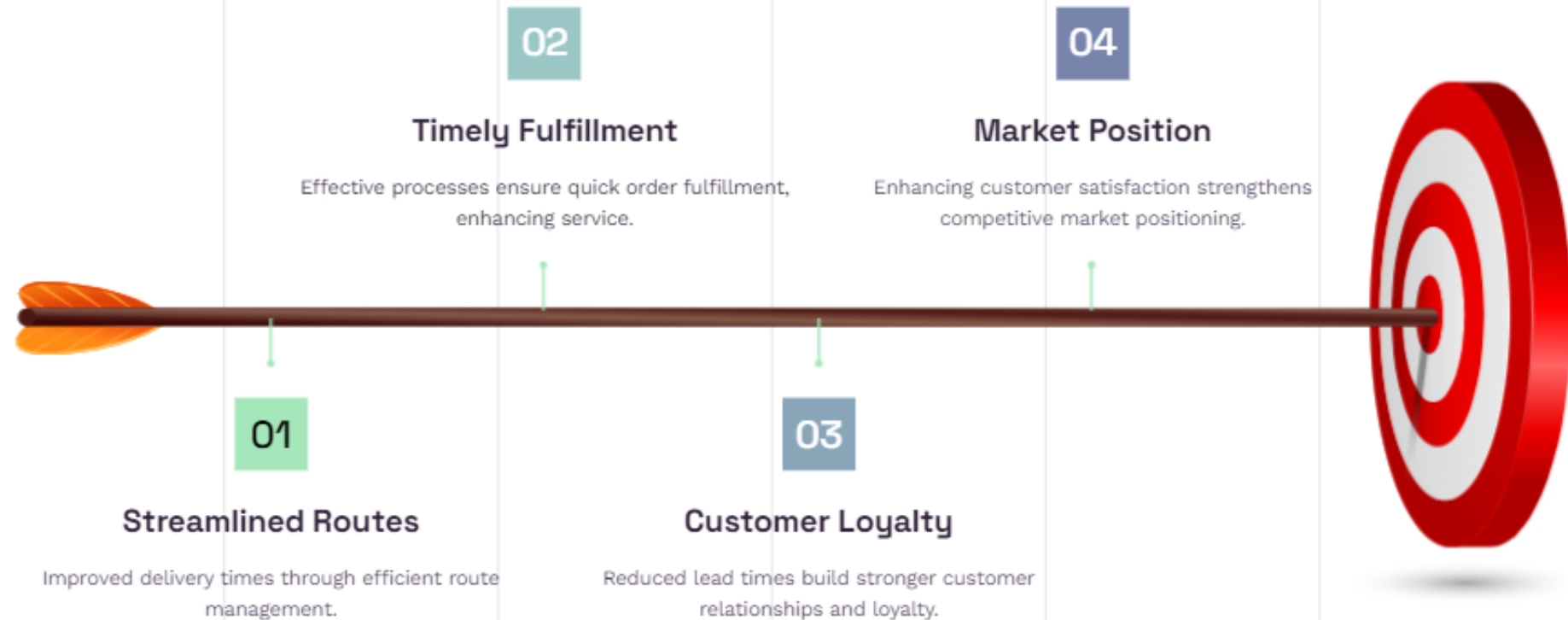
Revenue Growth Analysis

Strategic Location Management in Supply Chain Optimization

Location		Revenue (Million \$)			
Mumbai		0.14			
Kolkata		0.14			
Chennai		0.12			

Impact of Lead Times on Customer Satisfaction

Optimizing Supply Chain for Enhanced Customer Experience



Shipping Costs and Transportation Efficiency

Comparative Analysis of Shipping Modes for Supply Chain Optimization



Road Transportation

- Most cost-effective shipping option.
- Average cost: \$485 per shipment.
- Average delivery time: 16.4 days.
- Commonly used for domestic deliveries.
- Lower environmental impact compared to air.
- Flexibility for last-mile delivery.
- Can accommodate a variety of cargo types.
- Less susceptible to delays than air transport.
- Ideal for shorter distances and regional logistics.
- High reliability in service with fewer disruptions.
- Supports local economies and job creation.
- Facilitates better route optimization strategies.
- Lower handling costs compared to air and rail.
- Easier to track shipments in real-time.
- Growing use of technology for route planning.

VS



Air Transportation

- Highest shipping costs in comparison.
- Average cost: \$596 per shipment.
- Average delivery time: 18.16 days.
- Best for time-sensitive deliveries.
- Suitable for international shipping.
- Higher environmental footprint than road transport.
- Limited capacity for large shipments.
- Potential for delays due to weather conditions.
- Requires advanced planning for cargo.
- Higher risk of damage during handling.
- More complex logistics management involved.
- Less flexible for route changes.
- Increased regulatory compliance requirements.
- Higher operational costs for carriers.
- Not ideal for bulky or heavy items.

Inspection and Quality Control Challenges

Addressing Quality Issues in Supply Chain Management



Source: Companies Market Cap



Recommendations for Improvement

Optimizing Supply Chain Efficiency



01 Prioritize Route A

Reducing reliance on Route B can lead to lower shipping costs and faster delivery times.



02 Enhance Quality Control

Improving quality control measures is essential to lower the 40.62% product failure rate and clear inspection backlogs.



03 Boost Efficiency in Kolkata and Mumbai

Focusing on process improvements in these regions can significantly increase overall operational efficiency.

Defect Rates by Product Type

Highlighting Quality Improvement Areas in Supply Chain Management

Haircare Defect Rate

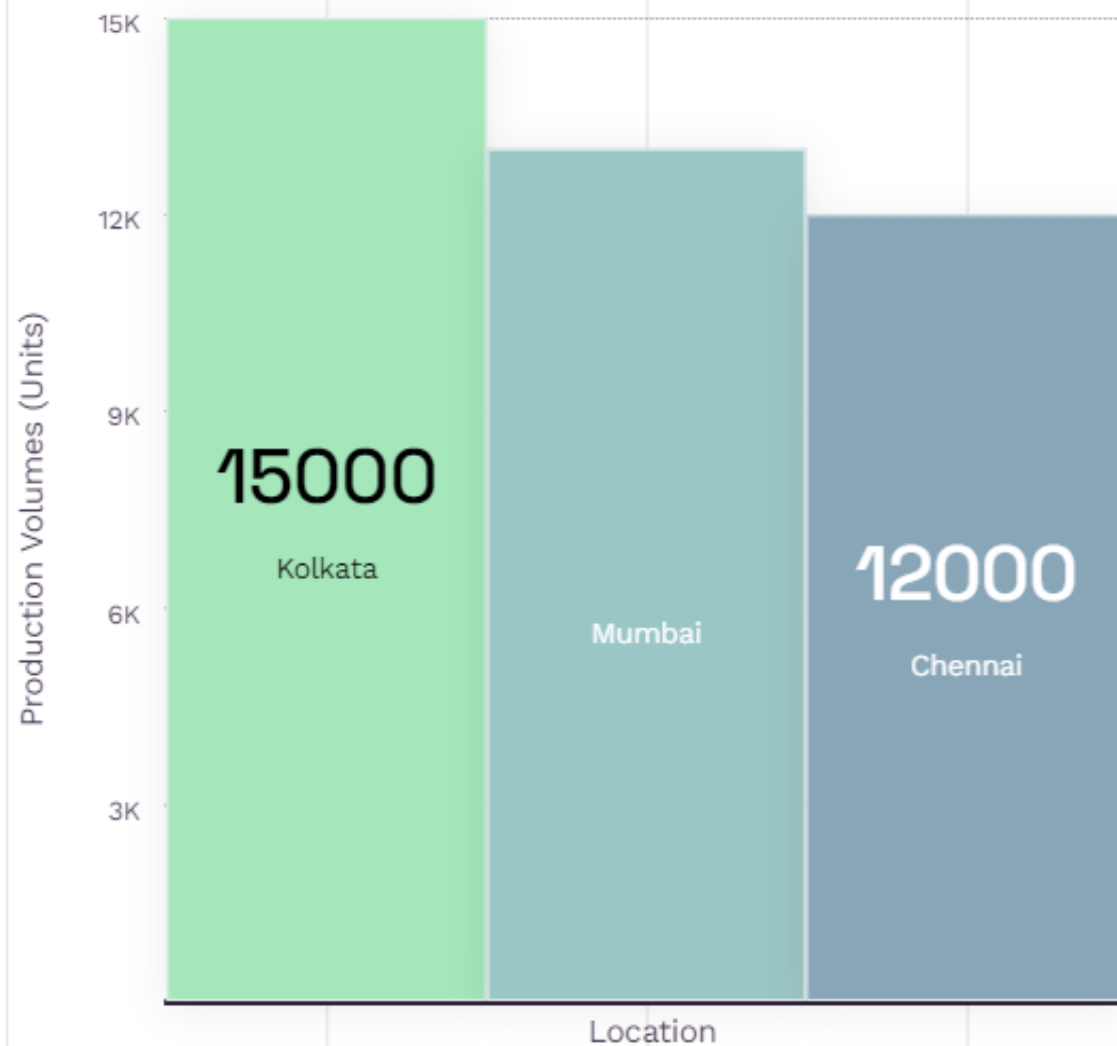
36.9%

Haircare products show a significant defect rate of 36.9%, necessitating immediate quality control improvements.

Cosmetics Defect Rate

34.7%

Cosmetics also present a high defect rate of 34.7%, highlighting the need for enhanced manufacturing processes.



Source: Companies Market Cap

Production Volumes by Location

Assessing strengths and
weaknesses in manufacturing
output

Cost Efficiency Analysis

Shipping Costs Comparison Among Carriers

Carrier A

Incurs lower shipping costs compared to Carrier B.

Utilizes road transportation as the most cost-effective mode.

Has a better reputation for on-time deliveries.

Offers flexible shipping options for clients.

Maintains a consistent performance in shipping efficiency.

Prioritizes customer satisfaction with reliable services.



Carrier B

Incurs the highest shipping costs among all carriers.

Evaluating its shipping processes could lead to significant savings.

Frequently used for high-volume shipments despite costs.

Struggles with timely deliveries, affecting customer satisfaction.

Limited flexibility in shipping options compared to competitors.

High operational costs lead to increased pricing for clients.

Conclusions and Strategic Insights

Key findings for improving supply chain efficiency



Improve Quality in Haircare and Cosmetics

Focus on reducing defect rates of 36.9% in Haircare and 34.7% in Cosmetics to enhance product reliability.



Optimize Transportation Routes

Prioritize Route A for cost-effectiveness, reducing reliance on the more expensive Route B.



Leverage Best Practices from Efficient Locations

Adopt strategies from Delhi and Bangalore to enhance efficiency in higher-cost cities like Kolkata and Mumbai.

THANK YOU

Enhance Supply Chain Management with Actionable Insights

