



**A LEADING LTL SERVICE PROVIDER
REDUCED THEIR OPERATIONAL COST
BY 21% WITH IMPROVED MANAGEMENT
OF SUPPLY CHAIN PIPELINES**

DATAMATICS

ABOUT CLIENT:

The client is a leading player in logistic and supply chain solutions provider in India. The company was founded in 1958 and has headquarters in Gurugram. They have 6000+ employees with a network of 1500+ branches. They cater various segments like Automotive, Retail, Chemical, Pharma, Renewables, etc.

INDUSTRY:

Logistics

REGION:

Global

EMPLOYEES:

6000+

REVENUE:

\$230 Million

BUSINESS NEED:

The core business need was to identify more effective pricing options and to enhance the overall pricing strategy for truckload volumes. The company sought a solution that would enable them to offer competitive pricing while ensuring profitability and maintaining cost-effectiveness.

BUSINESS CHALLENGES

01

The client faced significant challenges in developing and implementing a predictive model that could accurately forecast truckload volumes.

02

Given the critical importance of offering better pricing options, the model needed to account for various factors influencing truckload rates, such as market demand, seasonal trends, and external economic variables.

03

Additionally, the client required a solution that would support budget planning for growth and improve overall cost-effectiveness.

04

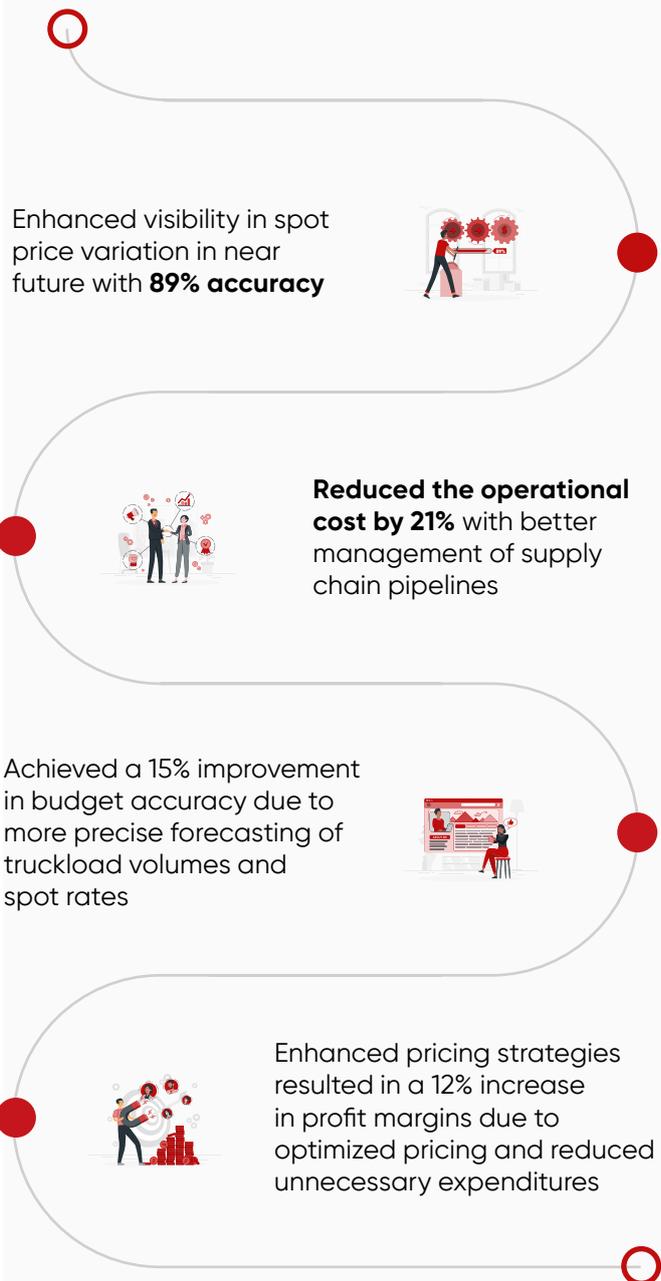
The complexity of the logistics industry, coupled with fluctuating spot rates, made it difficult to achieve accurate predictions, necessitating advanced analytical techniques.

DATAMATICS SOLUTION

To develop a forecasting algorithm capable of forecasting truckload rates in terms of spot rates, which were found to be critical for the bottom line, the Datamatics team used advanced time series analysis techniques using ARIMA (Autoregressive Integrated Moving Average), ARIMAX (ARIMA with exogenous variables), NAR (Nonlinear AutoRegressive), and NARX (Nonlinear AutoRegressive with exogenous inputs) models yielded accurate forecasts of spot prices.

This forecasting model was specifically designed to predict truckload spot rates over the next 7 days for each transportation mode, and to enable the development of accurate pricing strategies and the enhancement of all budgets.

BUSINESS IMPACTS



ABOUT **DATAMATICS**

Datamatics enables enterprises to go Deep in Digital to boost their productivity, customer experience, and competitive advantage. Datamatics' portfolio spans across three pillars of Digital Technologies, Digital Operations, and Digital Experiences. It has established products in Intelligent Document Processing, Robotic Process Automation, AI/ML models, Smart Workflows, Business Intelligence, and Automatic Fare Collection.

Datamatics caters to a diverse global clientele across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing. The Company has a presence across four continents with significant delivery centers in the USA, India, and the Philippines. To learn more about Datamatics, visit www.datamatics.com

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