

CASE STUDY

From Fleet Frustration to EV Excellence

How Smart Fleet Management Improved EV
Utilization from 54% to 78%



Routematic

The Challenge

About the Company

- Global IT Services Company
- 24/7 Multi-Shift Workforce
- 1700+ Daily Commuters
- 3 Campuses

A leading IT services company invested heavily in electric vehicles to meet sustainability targets. Six months later, the results were disappointing:



EV utilization stuck at 54% despite sufficient capacity



Idle vehicles and buffer fleets increasing costs



Poor charging coordination limiting availability



Weak rotation meant vehicles averaged only 4 trips per day, capping ROI

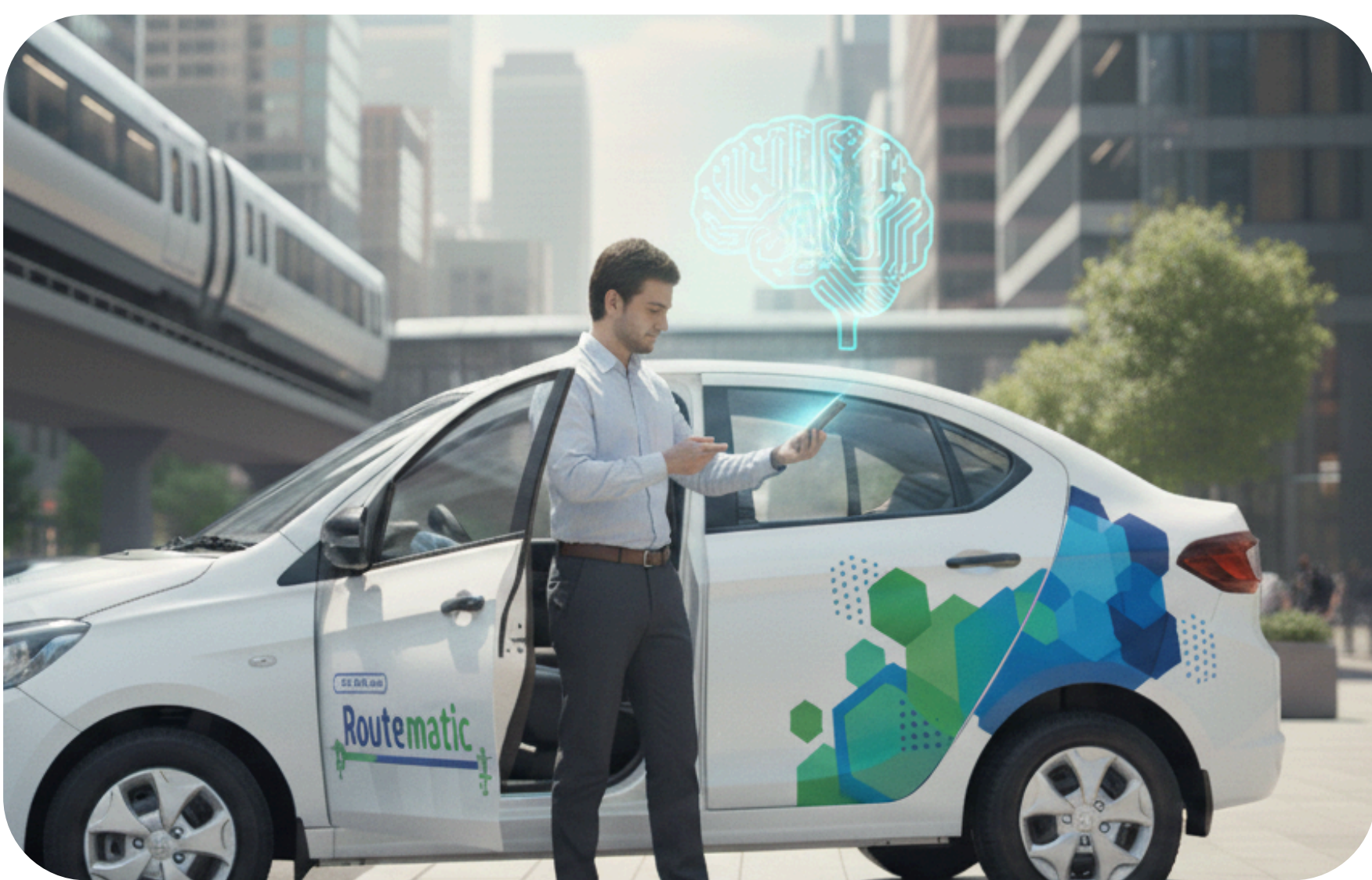


The root cause was **manual route planning**. Uneven trip assignment left EVs idle and forced reliance on petrol vehicles

The Solution



Routematic's advanced deployment engine with AI-powered routing replaced guesswork with precision, deploying three core innovations:

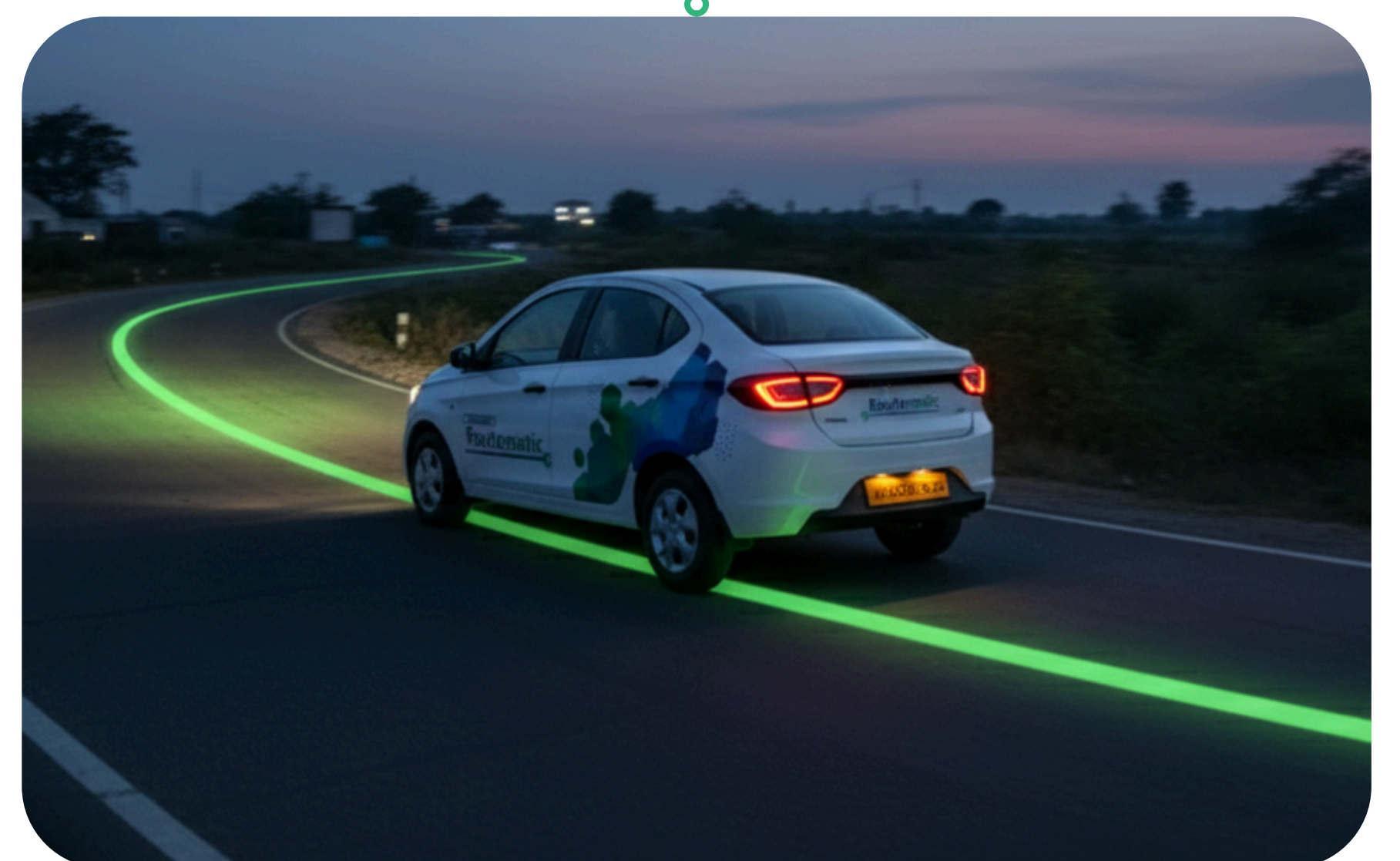


AI Trip Chaining

Linked back-to-back trips across campuses, raising daily trips per EV from 4 to 4.8

Adaptive Real-Time Deployment

Adjusted for delays, charging status, and range limits, reducing the need for buffer vehicles



Predictive Optimization

Forecasted demand using live and historical data to drive continuous efficiency

Measurable Business Impact



24%

Rise in EV Utilization

20%

More Trips per Vehicle

0

Charging Downtime



Increased from 54% to 78%, surpassing the 70% sustainability goal



Daily trips rose from 4.0 to 4.8, boosting fleet productivity



Battery management and city charge point integration ensured uninterrupted EV availability

 **Result: 10% lower operating costs** by reducing overall fleet size.

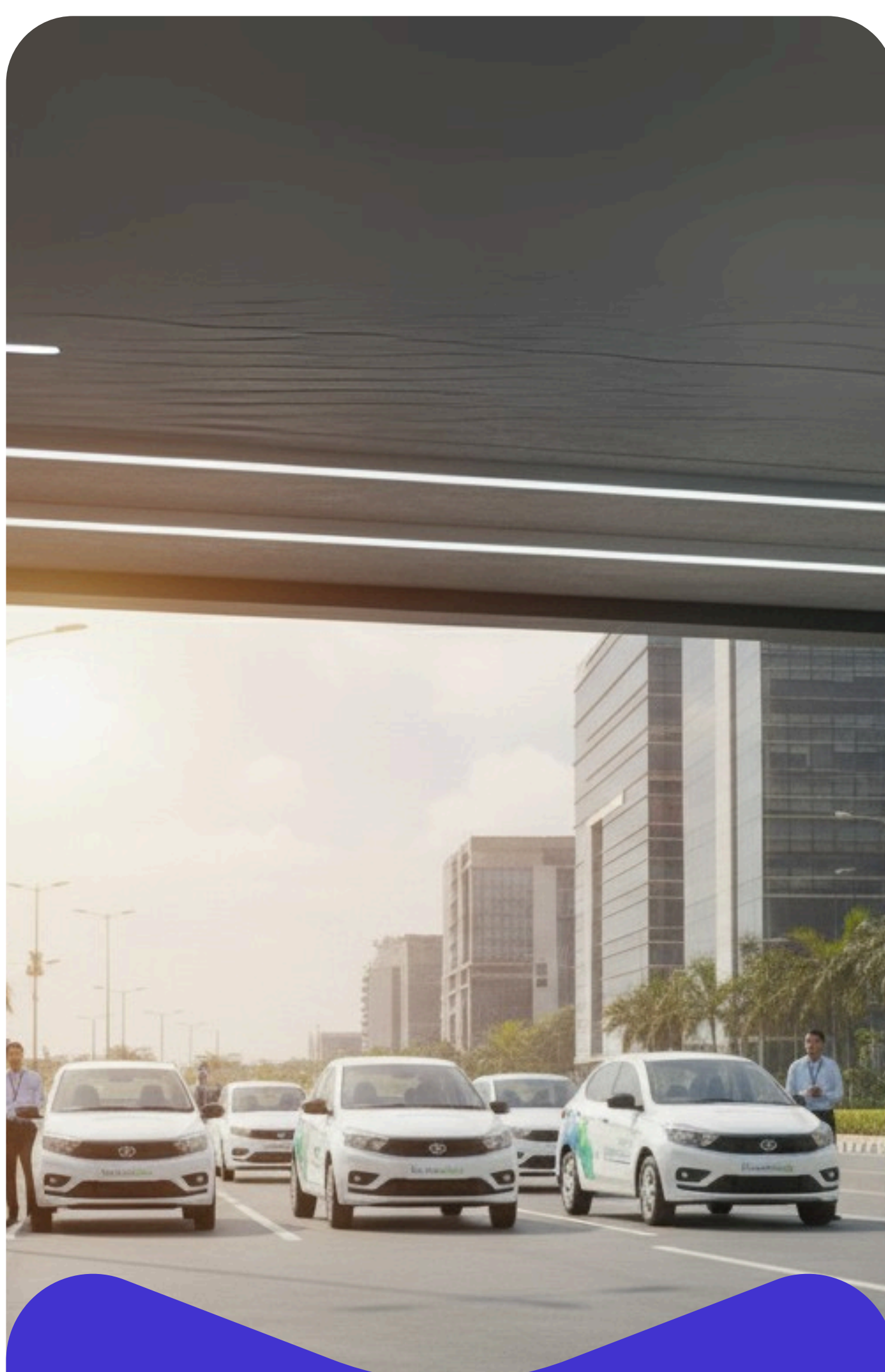
Achieve Much More Than Just ESG Goals



Enterprises today are at a critical juncture to meet ambitious ESG commitments without inflating costs. Routematic makes this possible by:



Turning EV adoption **targets into measurable operational success**



Boosting utilization of EV fleet by reducing idle time



Integrating with city charging infrastructure to ensure reliability at scale

 **Sustainability is no longer a trade-off with profitability.**
With Routematic, companies achieve both.

Routematic



Ready to Transform Your Fleet ROI?



Schedule a 30-minute fleet assessment



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Case study based on 12-month implementation. Client identity protected by mutual agreement.

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