



electriphi

Energy and Fleet Management for Electric Vehicle Fleets

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Fleet Electrification is a certainty



Technology



Environment



Operations

Paradigm Shift in Fueling



Time



Rate



Quantity

Energy Demand



Five school
buses in one
day



Single family
home in one
month

Consumer solutions don't work for fleets



Location



Operations



Variability

Every fleet is unique



Vehicles



Operations



Energy

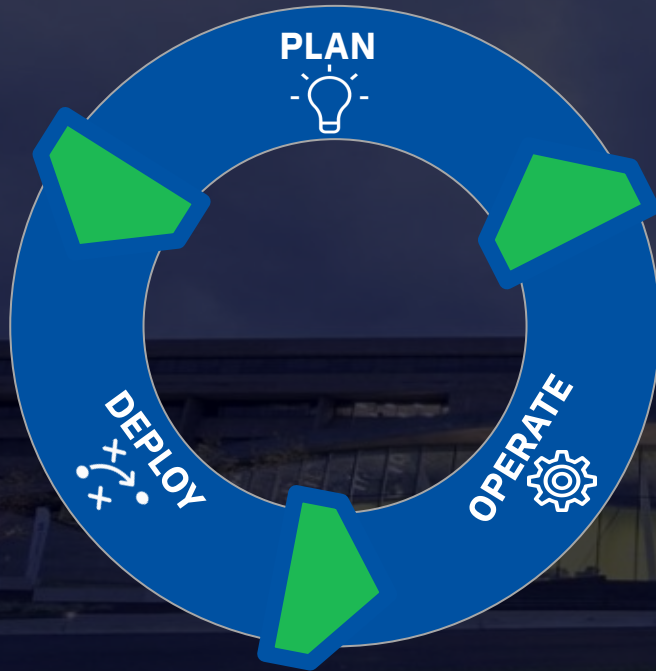
Focus shifts to energy management

“[Solution that].. helps fleet operators optimize energy and vehicle use by setting driving schedules and routes, charging intervals, and vehicle maintenance in alignment with customer demand, power prices, traffic conditions, and charging-station availability.”

McKinsey
&Company

Source:
[Charging electric-vehicle fleets: How to seize the emerging opportunity](#)

Fleet Electrification Planning



Fleet Electrification Planning Tool

Step 1: Tell us about your fleet electrification plan

Does your fleet already have electric vehicles? Yes No

How many electric vehicles do you have?

What is your fleet size?

What is your timeline for buying more EVs?



EV Fleet TCO Calculator

EV simulation inputs

Configure

Electric Vehicle Costs
\$150,000

Timeline
10 years

Incentive
\$0

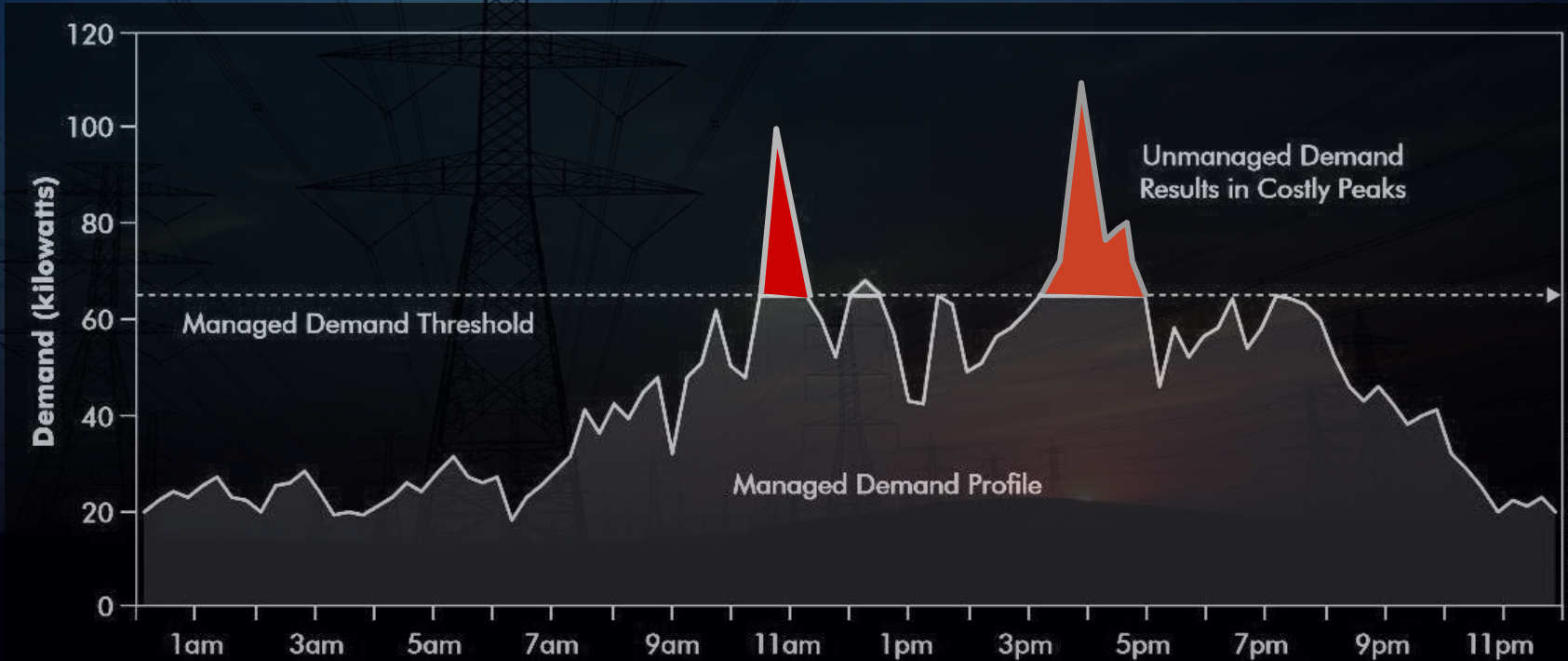
Discount rate
3%

TCO Utility Cost Capital Cost Operational Cost GHG Credits NPV Analysis



ManagedCharging.com / FleetTCO.com

Problem: Variable energy costs



Problem: Infrastructure costs

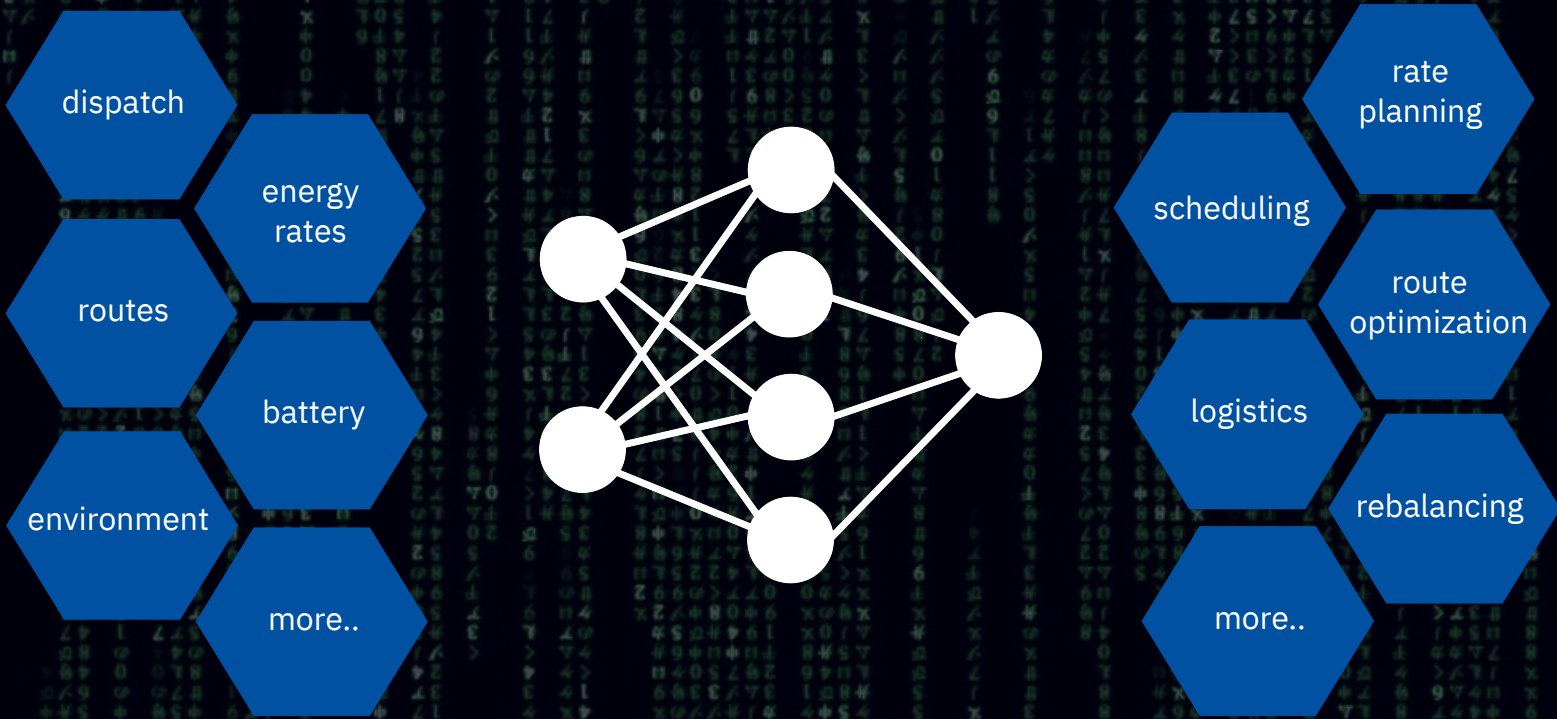


High peak load
requirements



Infrastructure
costs and delays

Problem: Operational Complexity



Solution: Intelligent Fleet and Energy Management



Fleet
operations



Charging
management

Case study: Twin Rivers Unified



40 Electric
School Buses



3 Charger
Types

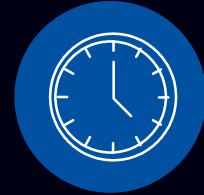
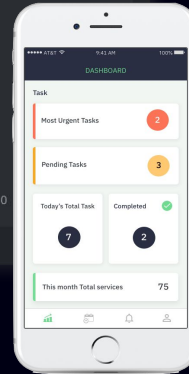


Grants and
Credits



Engagement
with Utility

Electriphi Command Center

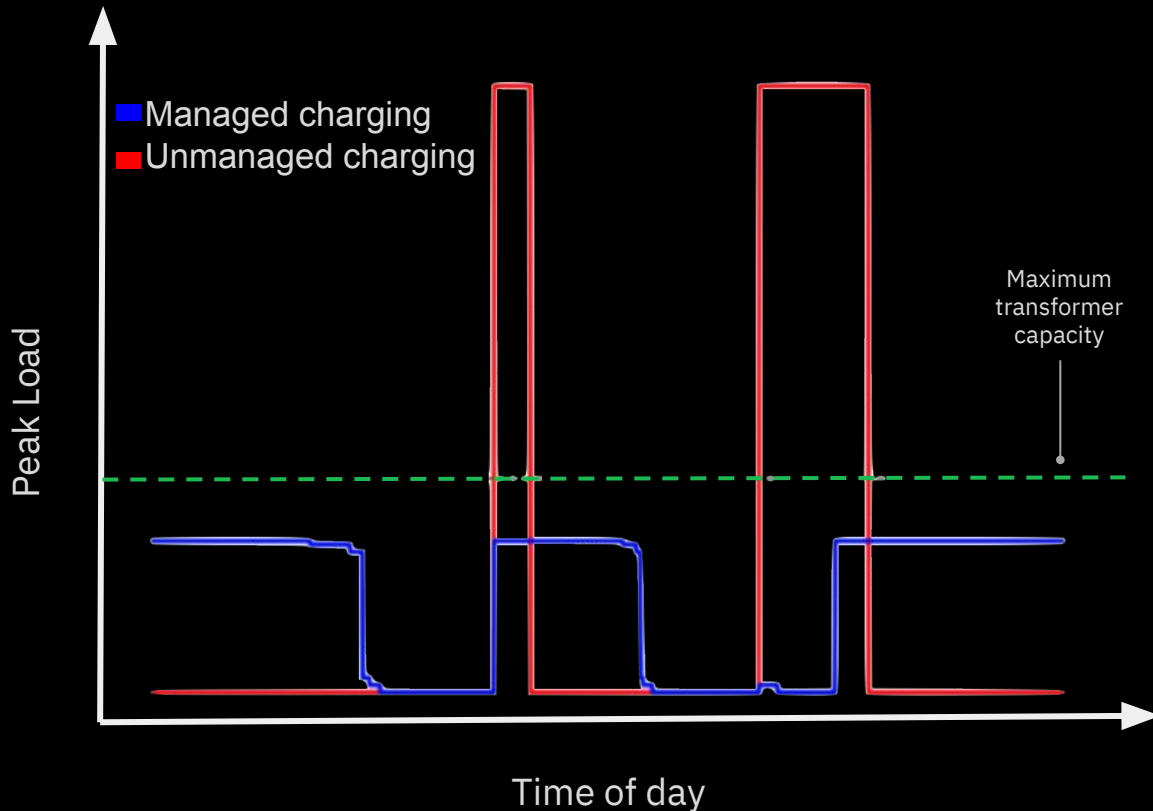


Charged
and Ready



Save OpEx
and CapEx

Managed charging benefits



Reduce energy costs



Avoid transformer upgrades

Challenges are not unique

Transit

“If we cannot control demand charges, electricity is more expensive than diesel fueling”

School

“Our first priority is to have every vehicle charged and ready for dispatch”

Delivery fleet

“We’re not going 100% EV instantly. We need a transition plan”



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