5 simple things that will make your fleet smarter

The moves every government fleet manager should be making to get the most out of IoT fleet management.

T-MOBILE FOR GOVERNMENT

Fleet managers have been using telematics to make their fleets more efficient for decades.

To reduce: Speeding and hard braking

To reduce: Speeding and hard braking

Idling time and fuel consumption

To reduce: Speeding and hard braking

Idling time and fuel consumption

Vehicle downtime, through predictive maintenance

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Idling time and fuel consumption

Vehicle downtime, through

You know all that

And when you’re running a government agency on a tight budget—while trying to deliver the best service for your citizens

And when you're running a government agency on a tight budget—while trying to deliver the best service for your citizens—the need to find new efficiencies is even more urgent.

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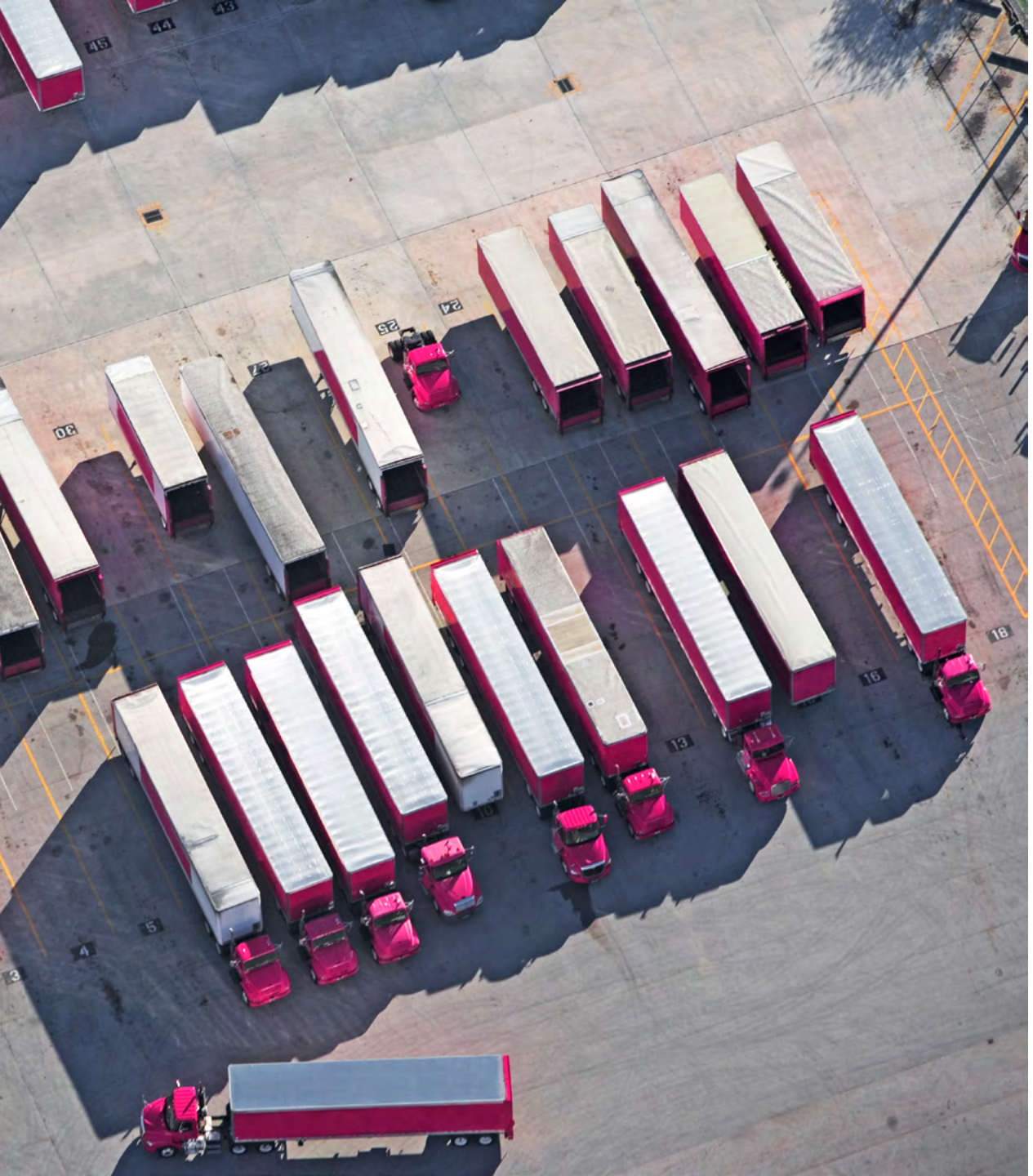
Whether that's **cutting down** the number of snow plows you need, **switching** some vehicles over to hybrid or electric power, or just **making sure** that you don't have too many buses covering similar routes.

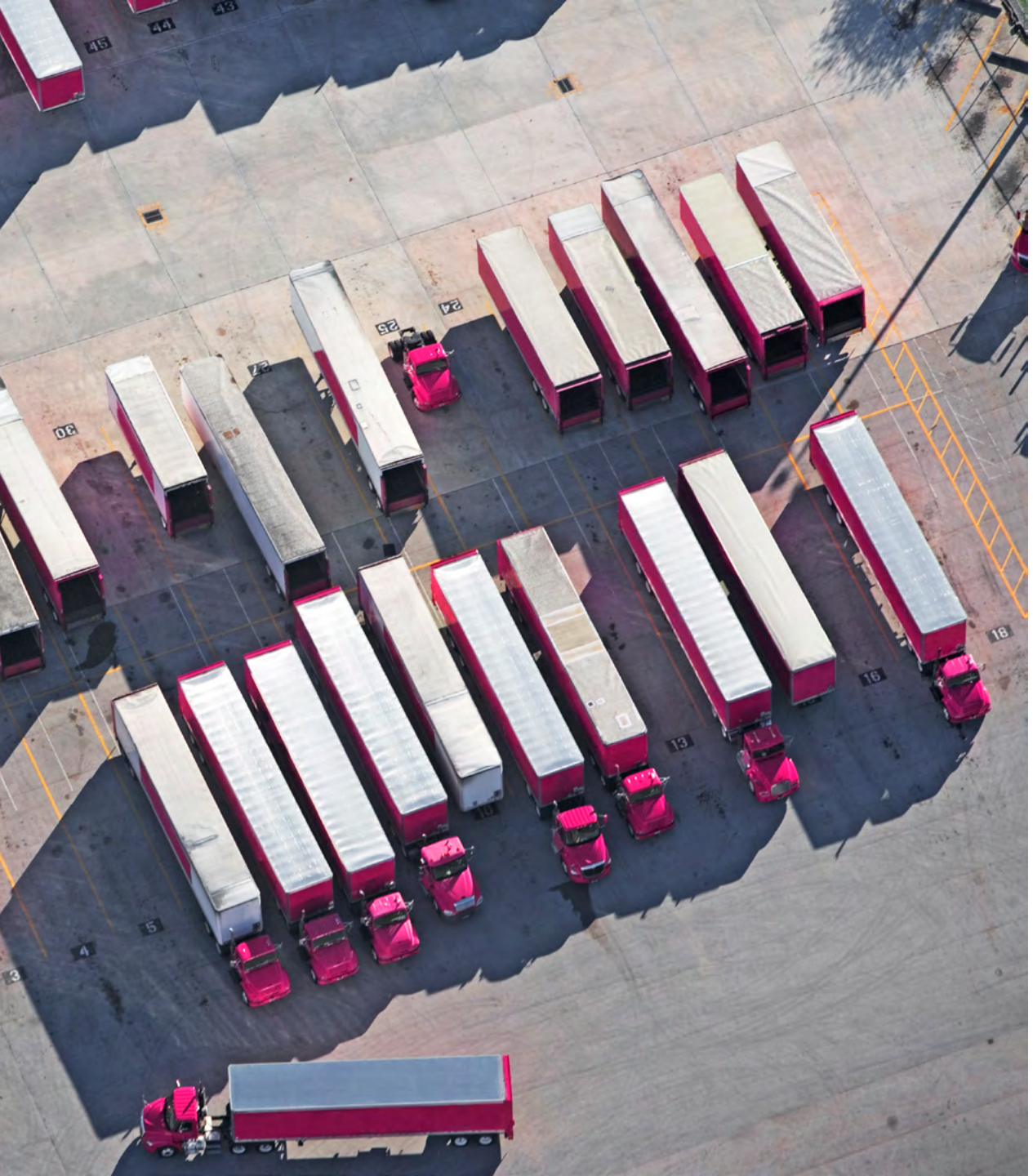
Even seasoned fleet managers might be surprised to learn about some of the simple things you can do with IoT fleet management.

Here are four problems you might not be solving yet—but could.

1. Vehicle acquisition



Figuring out **which new vehicles to acquire** is a huge decision for any fleet manager.



Figuring out **which new vehicles to acquire** is a huge decision for any fleet manager.

It involves **significant expenditure and long-term thinking**.

But leveraging your fleet data can make those decisions clearer: if IoT fleet management data can tell you **how your current vehicles are doing**, it can tell you **what you need from your next vehicles**.

For instance, you might be using diesel vehicles in the city when a plug-in hybrid would be **more efficient**. Or you might realize that a different route means you could **reduce the maintenance costs** on your next school buses and therefore acquire slightly better ones.

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When they learned that **over 25% of their fleet vehicles weren't meeting the required minimum monthly mileage**, they were able to shift acquisition policy to eliminate unnecessary vehicles, which meant reduced maintenance costs and depreciation expenses.

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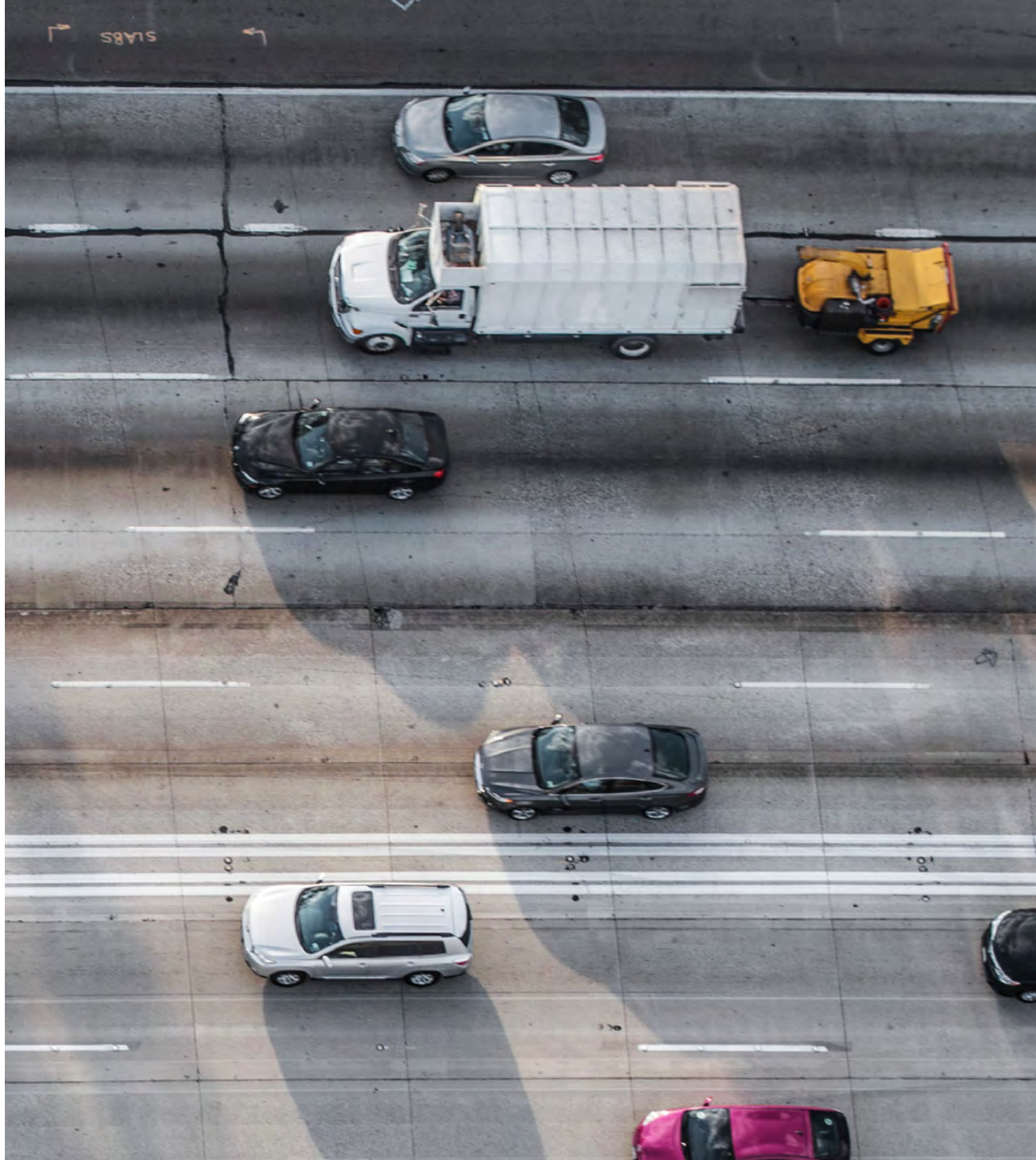
If you're not using data to make smarter vehicle acquisition calls for a leaner, more efficient fleet, **you're not getting the most out of IoT fleet management.**

2. Geofencing

Geofencing allows you to create **virtual geographic boundaries** using GPS or RFID technologies, as well as the **location** and **movements** of **every vehicle within that area.**



And while this is nothing new, it has some useful applications for fleet managers.

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Automatic real-time notifications can be used to alert drivers to an unfolding situation: so if animal control gets an urgent call, they can **dispatch the closest vehicle in a geofenced area and swiftly resolve the issue**.

1

And while this is nothing new, it has some useful applications for fleet managers.

Automatic alerts can be set to alert fleet managers **about detours, unexpected out-of-route miles or vehicles leaving/entering geofenced areas.**

2

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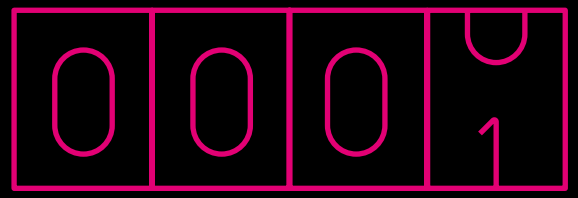
All of this has a noticeable effect on vehicle miles travelled (VMT)—one of the most important metrics for fleet managers. If you can always dispatch the closest vehicle, whether it's a police car, snow plows or a firetruck, that means **reducing fuel usage** and VMT—and a **positive impact on your fleet's efficiency.**



3

And while this is nothing new, it has some useful applications for fleet managers.

Geofences can even be used to prevent payroll fraud. By setting a **geofence around your jobsites, automatic alerts can inform fleet managers whenever contractors or employees leave and arrive.** Which means the manual punching in system can't be manipulated, ensuring contractors work the agreed hours and are paid correctly.

4

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Geofences can even be used to prevent payroll fraud.
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Even if your IoT fleet management solution already deploys geofencing, **it could still work harder for your fleet.**

4

3. Route optimization

A great fleet manager may be able to follow a few vehicles at a time and figure out **greater efficiencies for certain routes**.

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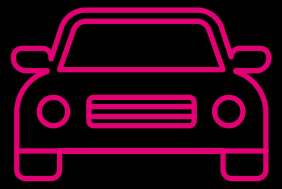
Every vehicle, 

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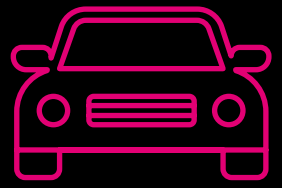
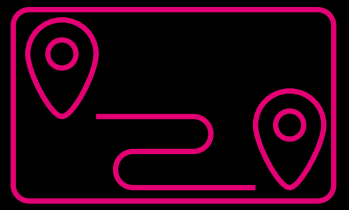
Every vehicle, 

 **route,**

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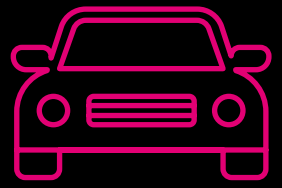
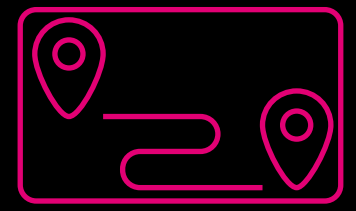
Every vehicle, 



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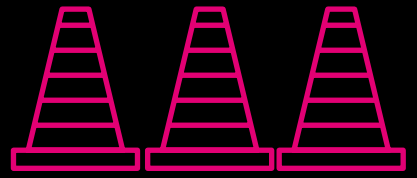

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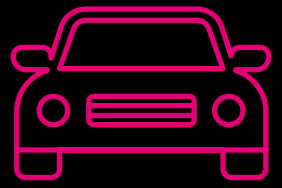
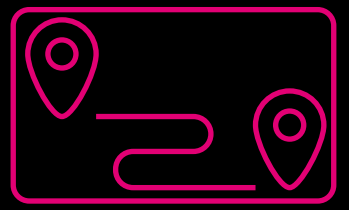
Every vehicle, 



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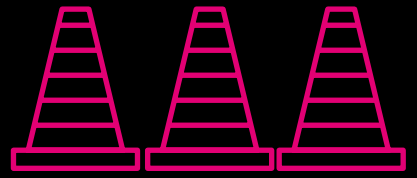

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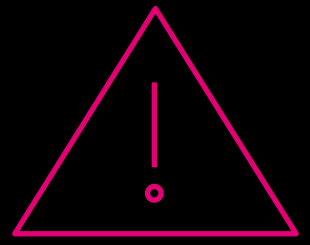
traffic jam, 

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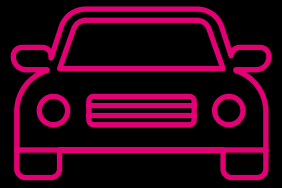

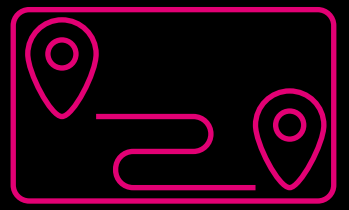

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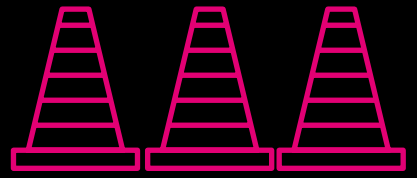

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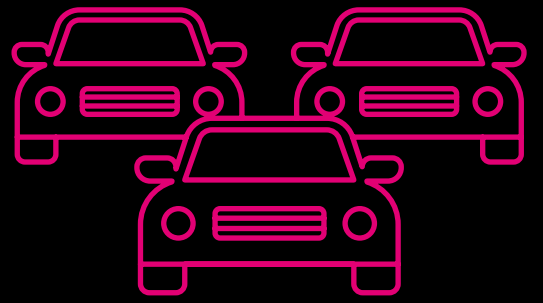

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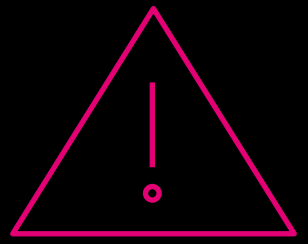
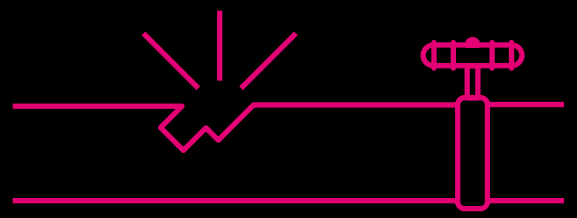
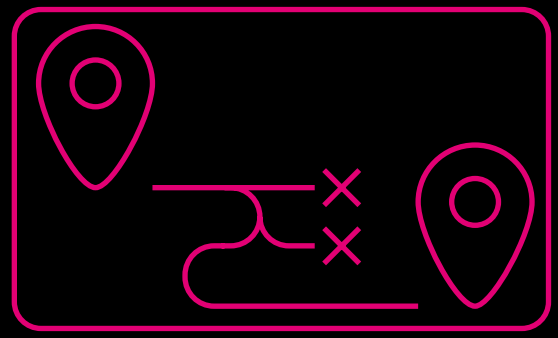


...and **make the smartest route optimization decisions possible**—which is particularly useful on those days when, without warning, there's a burst water pipe that needs repairing, as well as bus-loads of kids who still need to be dropped off at school.





That means:

Adjusting routes in real-time

Re-assigning drivers who are better located for a particular job

Analyzing trends to become smarter and more efficient over time

Saving you time, optimizing resources and finding efficiencies more effectively than any human possibly could

Because humans don’t have **predictive algorithms, machine learning and AI and banks of current and historical data** at their fingertips.

Route optimization is about more than just saving money—
it's about what you can do with that money.

School districts spend around $23 billion a year on transportation alone. What if more of that money went towards **providing better buses**, or even **connected buses with Wi-Fi**, which could help some of the 50% of children who have failed to deliver a homework assignment because they didn't have internet access?

4. Yard movement

Whether that's **drivers leaving their engines on in the yard** because it's cold, and they have nowhere else to go.

Or driving around looking for parking instead of **knowing in advance where there are free spots.**

Even though active vehicles will spend the majority of their time on the road, **yard movement has been ignored as an area of optimization** for far too long.

Some vehicles spend more time in the yard than others, and **ignoring their movements** in that time **means potentially missing a significant opportunity** for incremental improvements.

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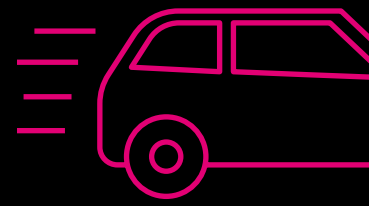
Because a vehicle's day isn't done just because it's reached the yard.

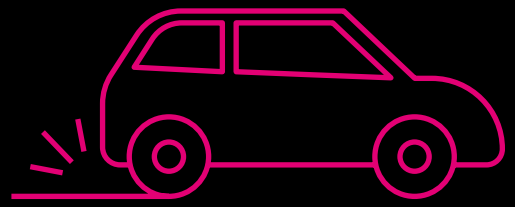
5. Safety

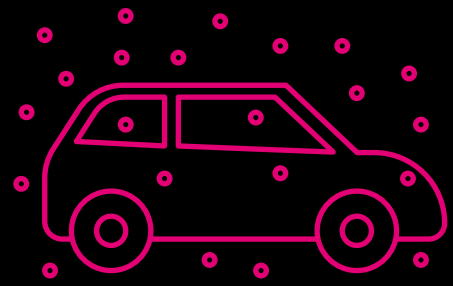
Driver safety is of paramount importance to all fleet managers, and with good reason. It's not just about ensuring health and well-being—making safety a priority for drivers can have a **positive impact on your fleet's efficiency too**.

The Marine Corps uses video telematics to bolster driver safety, by monitoring **speeding, braking, vehicle collisions** and **unsafe events** in over 7,000 vehicles.

And the results speak for themselves.







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35% reduction in accident damage over two years

Fewer instances of texting, phone calls and smoking while driving

Up to 60% reduction in fuel use, carbon emission and idling time

Identifying specific areas of concern with individual drivers

Creating a safer driving culture in the Marine Corps

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And one instance where the simple use of a dash cam proved that a collision was the fault of another road user, allowing the Marine Corps to recoup $10,000 in repair costs.

cern with individual drivers

Creating a safer driving culture in the Marine Corps

The rewards for making safety a priority in a government fleet go far beyond maintaining driver—and in some cases, passenger—health and happiness.

It means a healthier, better value and more efficient fleet too.

At the end of the day, there's no such thing as a perfectly efficient fleet.

At the end of the day, there's no s

But no improvement is too small.

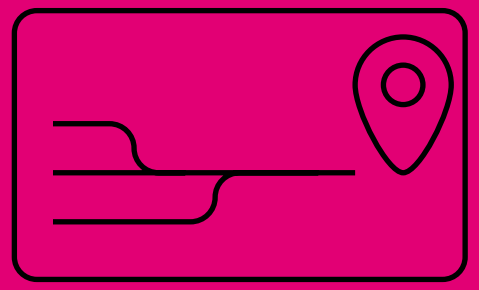
efficient fleet.

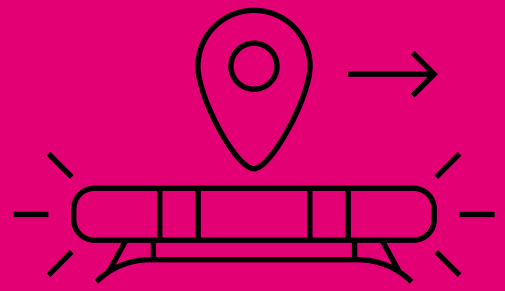
The best fleet managers are always looking for ways to make their fleets **more efficient.**

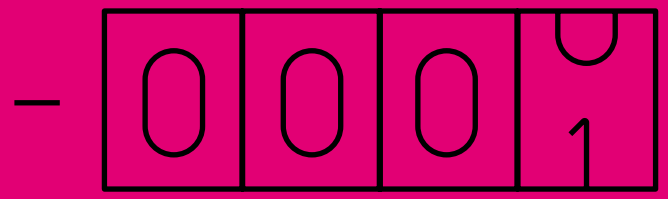
And for government agencies **working to extract maximum value from taxpayer dollars**, while **delivering the best service possible**, efficiency is everything.

The good news is, with the **capabilities of IoT fleet management**, you can learn to **eliminate even more inefficiencies.**

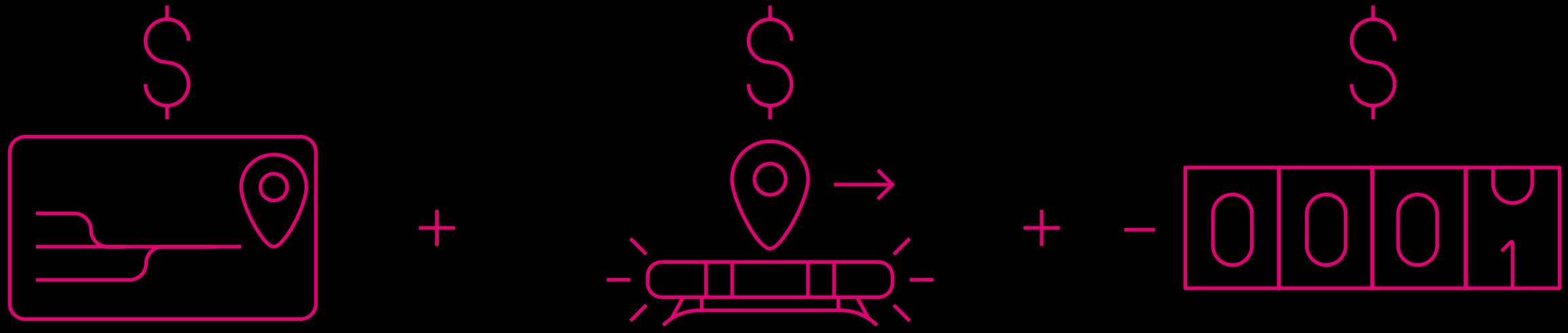
You can help **schoolbuses merge routes**. Make sure the **closest cop car responds** to a 911 call. Ensure government employees **aren't running personal errands in fleet vehicles**.







Each of these might only be a tiny, incremental improvement on its own. But when you add them together over thousands of vehicles and many months, the savings are huge.



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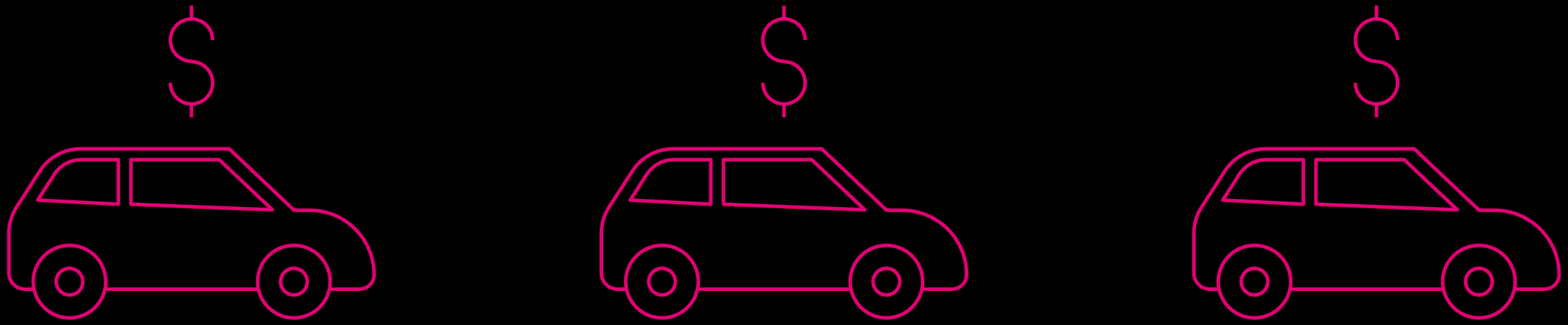
And money saved means money you can invest in your fleet.



So here's the big question:

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Read '**How to make the most of IoT fleet management**' to see how the State of Utah transformed their entire fleet operation—**and how you could too.**

Dig in

T-MOBILE FOR GOVERNMENT

Let's talk

T-Mobile for Government can help build the perfect fleet management solution for your agency—from the features you knew about to the ones that can give you even more of an edge.

For additional information about T-Mobile Fleet Management solutions, visit, T-Mobile.com/business/solutions/fleet-management-solutions/government. Call your Government Account Executive to learn more – or connect with one of our government experts at 1-877-386-4246.