



JOHN LEWIS

WAITROSE

Sainsbury's

Wincanton









South Western Railway

> Crown Commercial Service Supplier

We develop technologies designed to synchronise the whole EV fleet and charger eco-system from planning through to real-time operations.

FPS. With you all the way



Why Response Vehicles are "Hard"

Performance and payload requirements

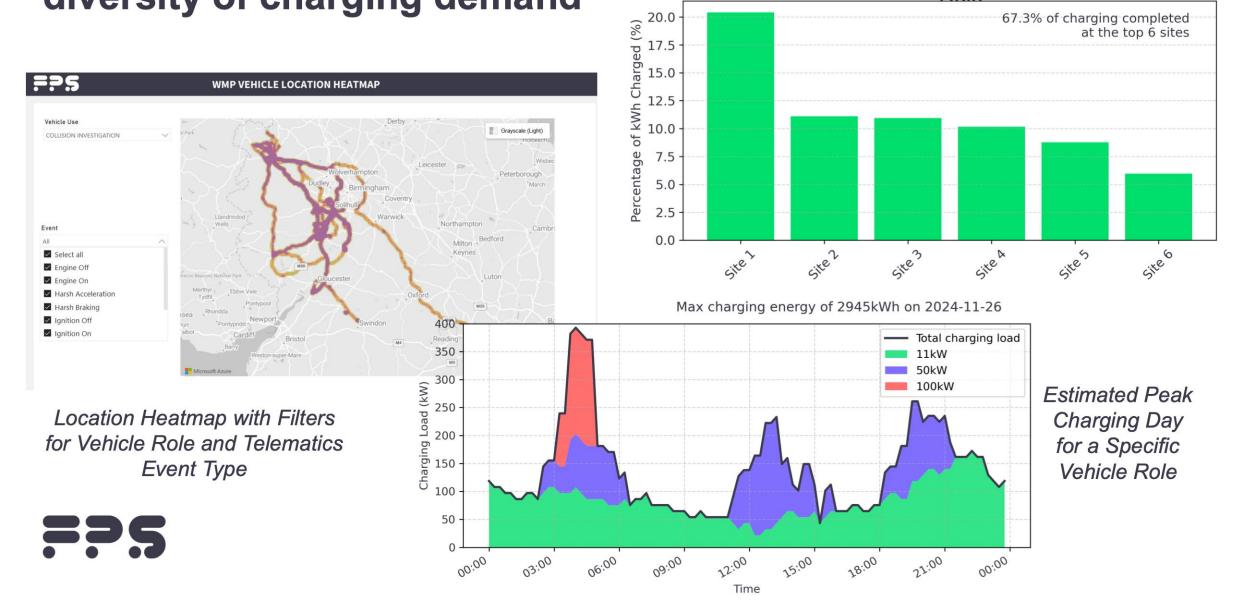
High availability requirements

Lack of Suitable Vehicles

Extensive infrastructure requirements



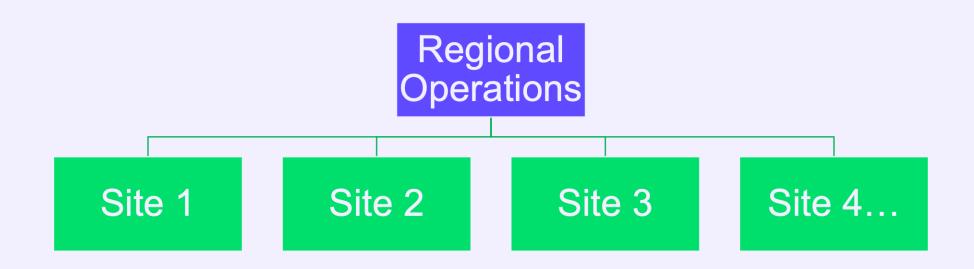
Data and analysis uncovers the diversity of charging demand



Top 6 Charging Sites for a Specific Vehicle

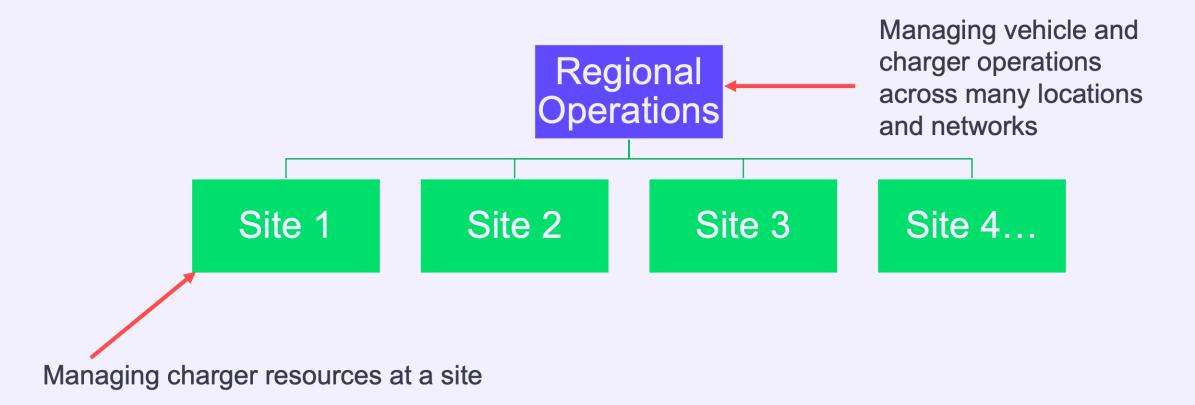
Role

When EVs are deployed, there are two active management problems...



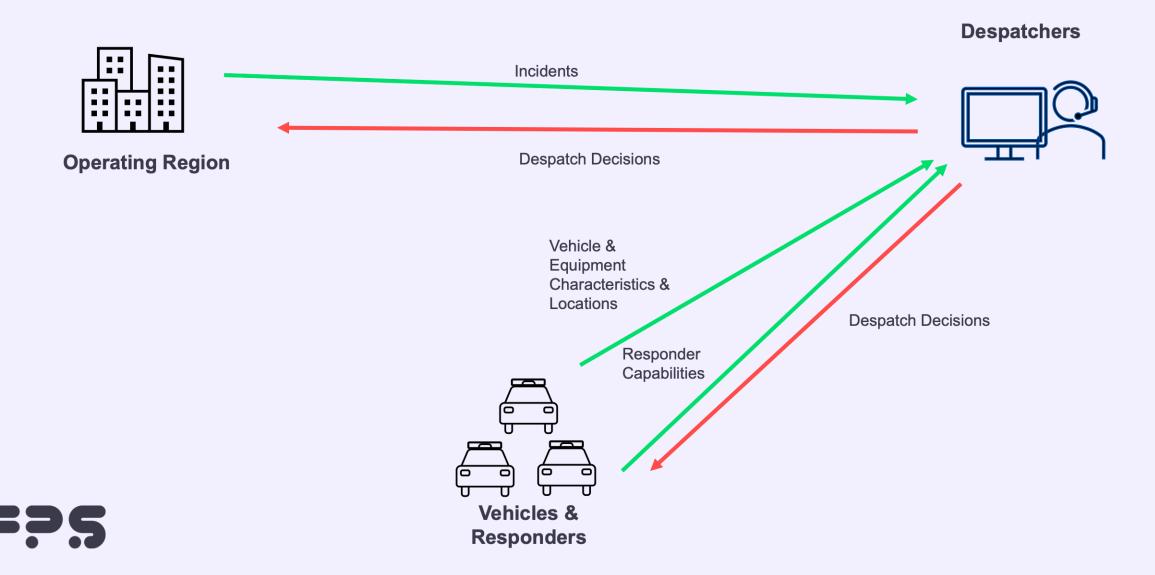


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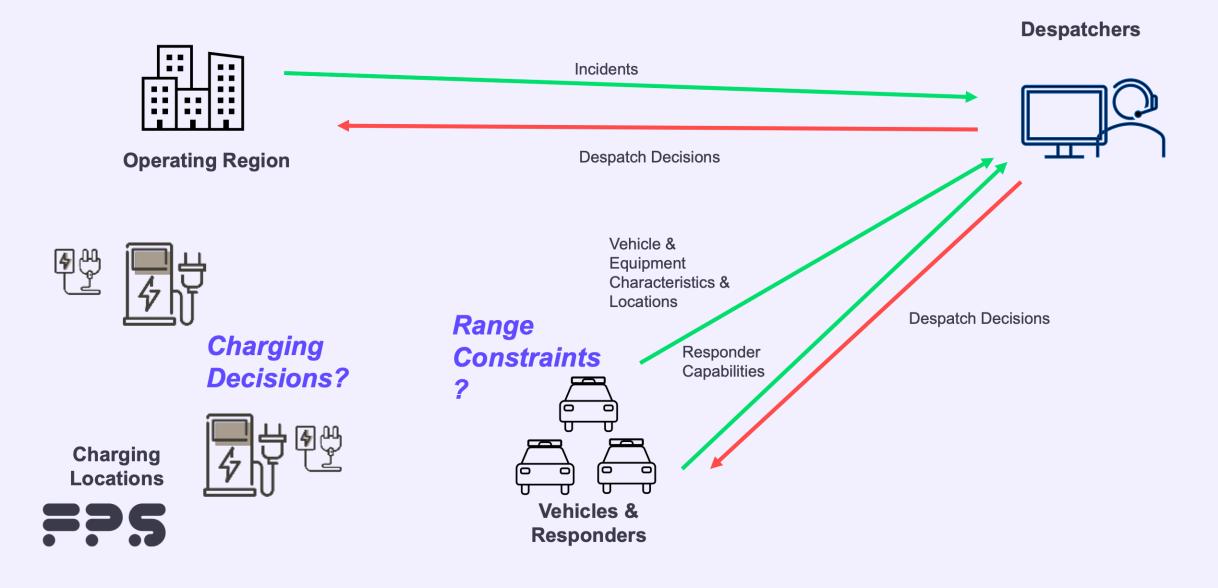




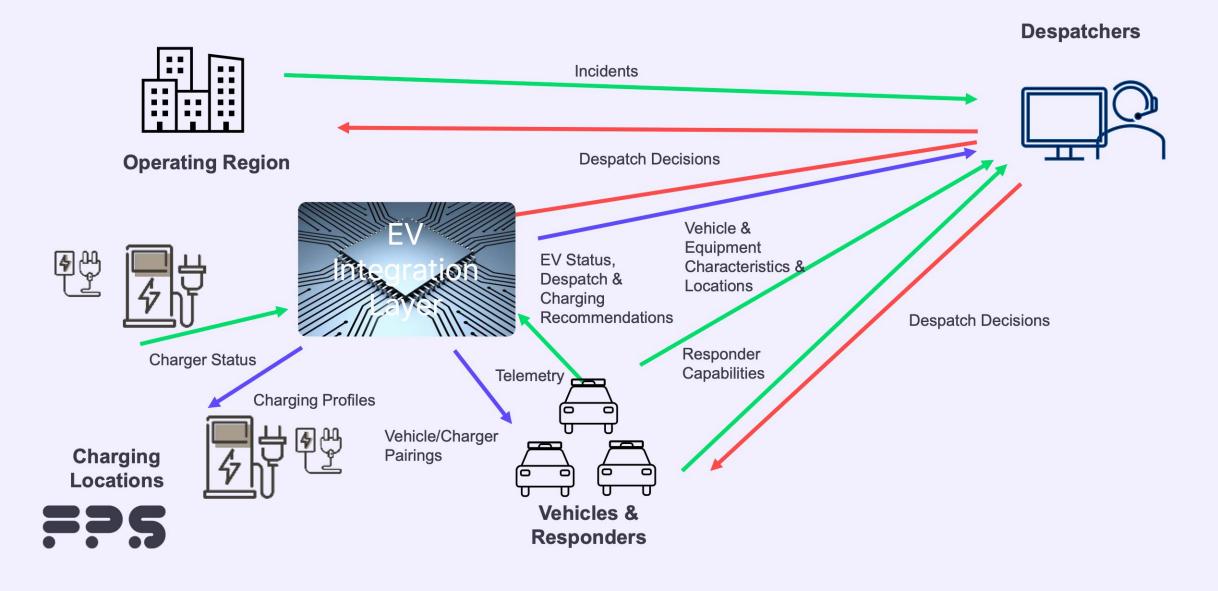
Current Despatch



Electric Despatch?



Automation to Support Human Operators

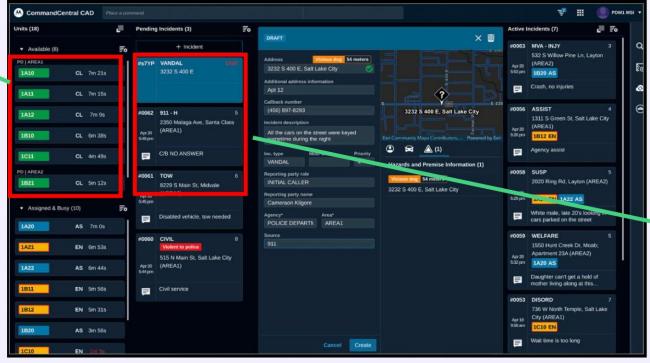


How might it look?

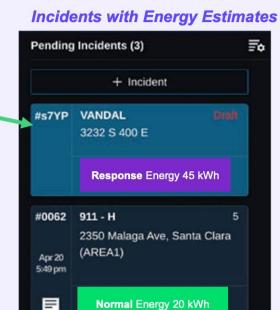
Current Example Despatch Solution

Modified Vehicle/Responder
Capabilities





Source: Motorola



Making it Work Live vehicle States of Charge Dynamic estimates of incident response energy requirements Charger allocation Charge stop planning (where, when and how fast) Systems integration...



Next Steps....

New Customer Onboarding Effort

Product Development Foak Trials

	Current Logistics Deployments	Managing Charging of Non-Responding Vehicles	Full Despatch Demonstration
Live Vehicle SoC			
Incident Energy Forecasts	But Limited Speed Profiles		
Charger Allocation			
Charge Stop Planning			
Systems Integration	But Logistics Systems		

Emergency Service Fleets being recruited now



End-to-end support for fleet electrification

FPS Operate

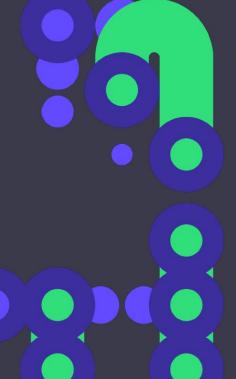
To manage EVs and infrastructure in real time

FPS TRU Manager

To unlock fuel savings

FPS Book

To share charging infrastructure





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