

8/4/2021

EPIC Forum - Optimizing Fleet Charging through Vehicle-to-Grid Integration

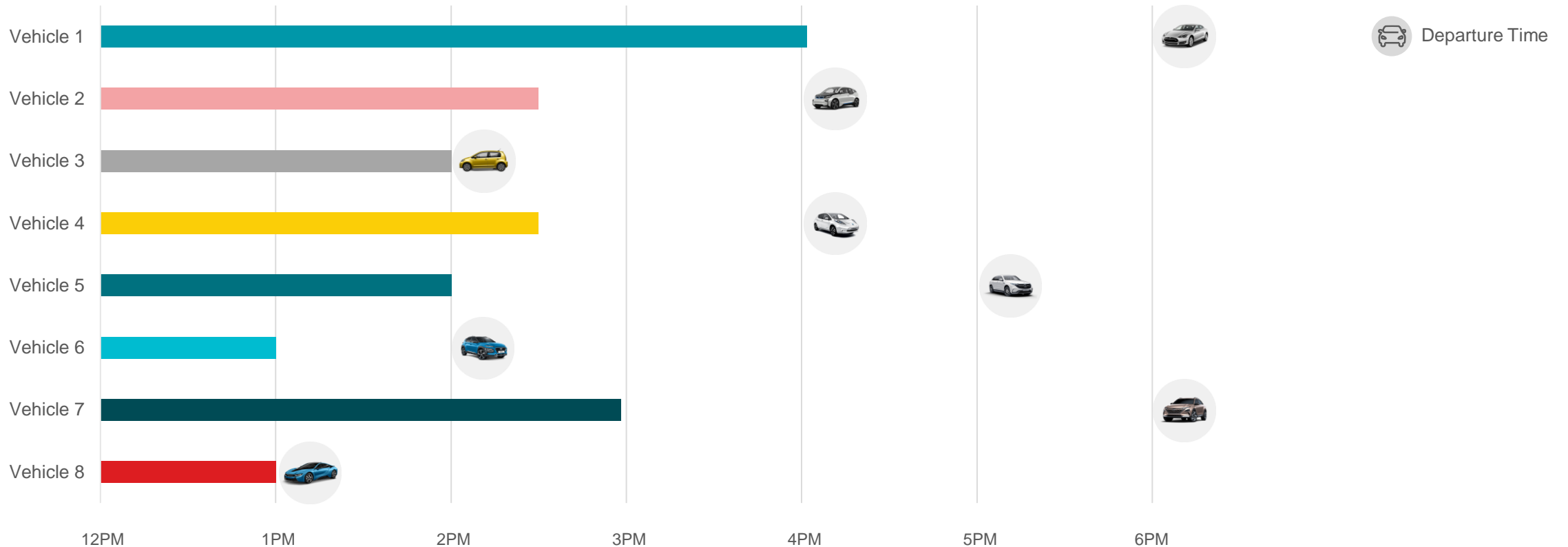


greenlots
A Member of the Shell Group

Non-optimized Fleet Charging

Vehicles start charging as soon as they are connected. Extended periods where vehicles are connected but are not charging

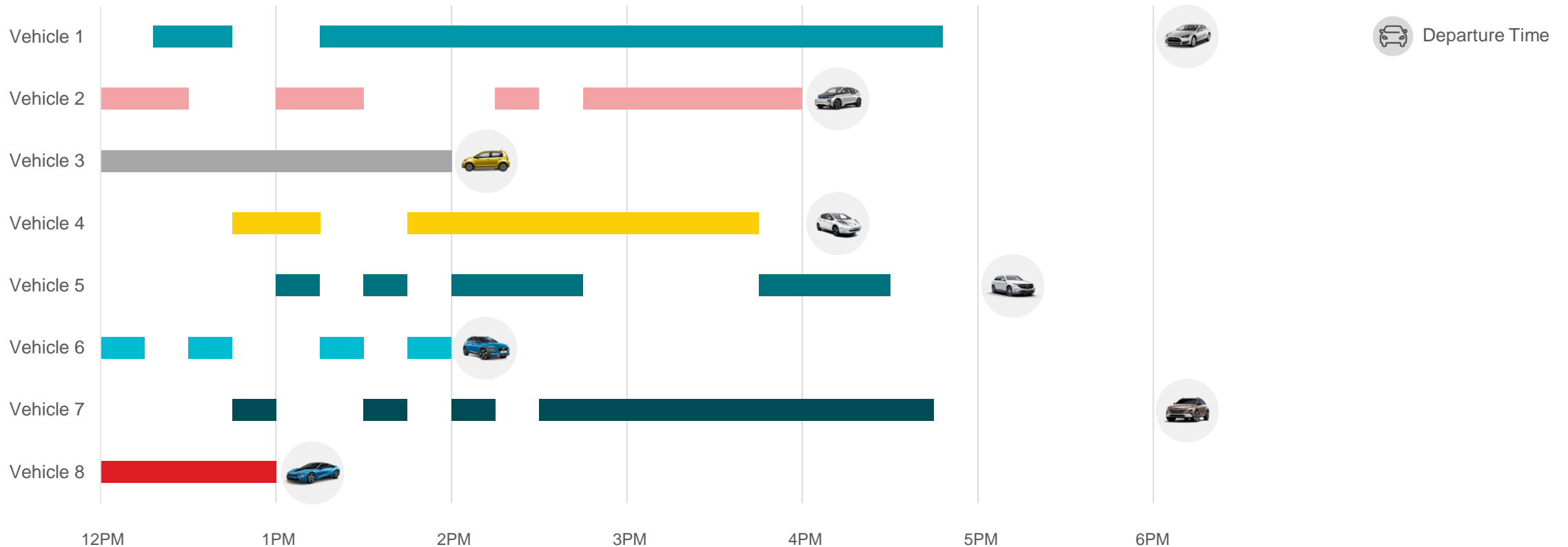
Unmanaged Fleet Charging



Optimized Fleet Smart Charging

Vehicles don't start charging as soon as they are connected. The load limit and the schedule will determine when the vehicle is to be charged.

Optimized Fleet Smart Charging Schedule

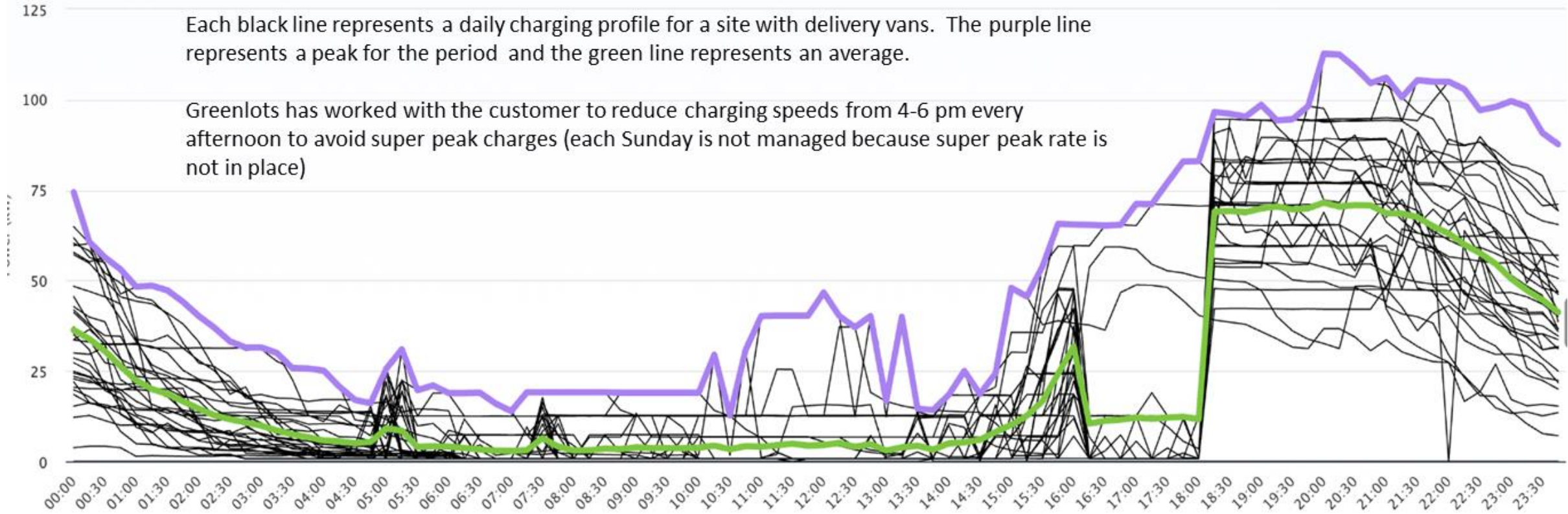


Case Study

Minimizing charging speeds when utility rates are higher – or to avoid peak rates – while ensuring that fleet vehicles can meet their delivery obligations

2021-02-10 13:35:00 - 2021-03-12 13:34:00

— Daily Load — Average Load — Peak Load



Cloud-to-vehicle lab testing drives in-field uptime

Where software and hardware come together to charge the future

- Cloud-to-vehicle testing across use cases minimizes in field risks
- Simulation of customer specific use cases including micro-grids enables fine tuning of field designs
- Nothing goes out the door without end-to-end validation



Thank you!

Scott Fisher

Vice President- Fleets & OEMs



greenlots
A Member of the Shell Group

