

The Realities of Fleet Transition

Justin Laney
General Manager - Fleet
John Lewis Partnership



OUR FLEET

Tractors	600
Trailers	1000
Rigids	400
Vans	2500
Cars	1000
TOTAL	5550



COMMITMENTS



We'll be free of fossil fuel by 2030,
net zero by 2035, using:

- Renewable Electricity for cars, vans and light trucks
- Biomethane for heavy duty trucks in transition to EV
- HVO biodiesel for remaining niches

WHAT DOES A FO SSIL FUEL FREE FLEET BY 2030 GIVE US?

>500,000
TONNES OF
CO₂ SAVED

80% CARBON
REDUCTION
vs BAU DIESEL



REVENUE
SAVING

REDUCED
MAINTENANCE
COSTS &
LONGER
VEHICLE LIFE
OF EVs

EFFICIENCY

Minimise energy requirement

Heat management

Weight



Smallest practical battery

Lower cost

Less charging

More payload



Charging strategy

Overnight, slow charging best

Some rapid charging

Smart scheduling



Minimise need for grid upgrade

Holistic view, load management



PRODUCTIVITY

- Match charging to downtime
- Minimise on-road charging
- Yard management



BATTERY LIFE

- Slow charging
- Charge to required level
- Effect of VTX



ENERGY

- Properly sustainable
- Long term supply
- Price confidence



RESILIENCE

- Timing
- Single point of failure
- Energy supplies

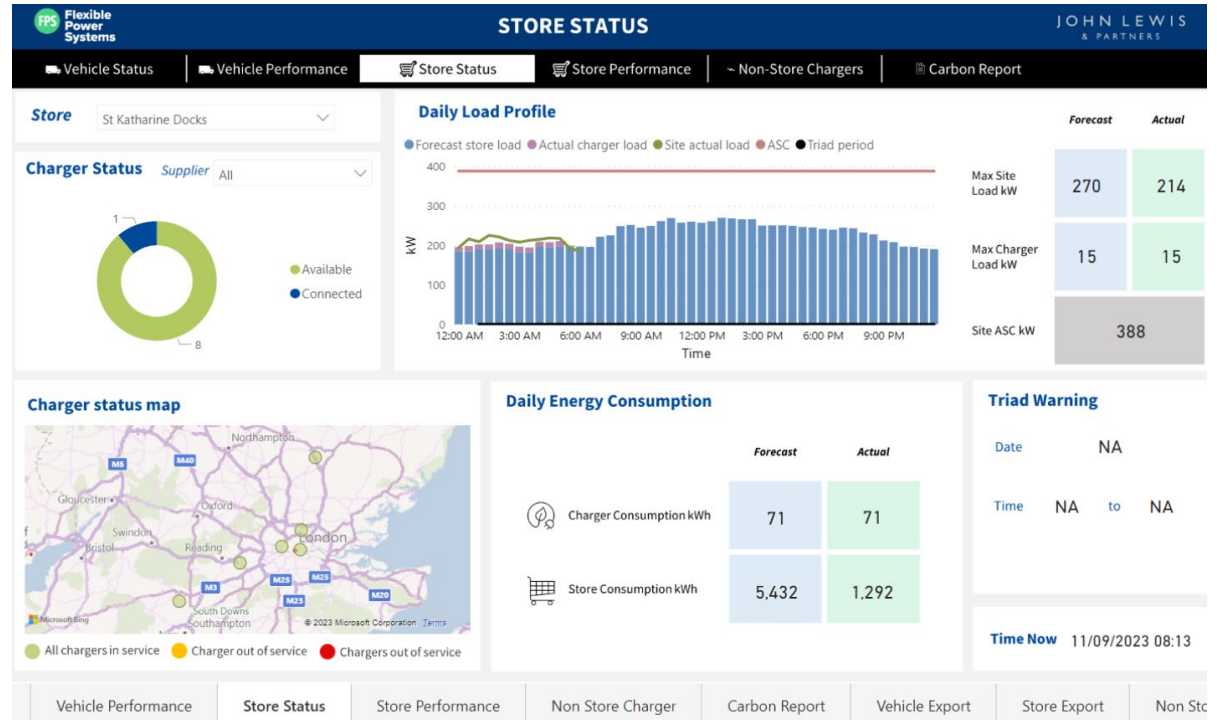
PROPERTY

- Planning leadtimes
- Landlord consent
- Fire safety



MANAGING

- Visibility
- Alerts
- Allocation
- Charge levels
- Load management



SUMMARY

- Holistic view
- Prioritise:-
 - ✓ Efficiency/productivity
 - ✓ Resilience
 - ✓ Battery life

