Comparison of StratEV Lite and Full StratEV assessments

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Hydrock's unique StratEV modelling tools enable the high-level (StratEV Lite) and detailed (Full StratEV) assessment of Electric Vehicle (EV) charging demand from a strategic portfolio level down to the in-depth analysis of individual sites.

	StratEV Lite	StratEV
Forecast no of EVs - opening and future year	✓	✓
Time distribution of arrivals / departures	✓	✓
Journey purpose		✓
Travel distance to site	✓	✓
Onward travel distance	✓	✓
Dwell time	✓	✓
Fleet composition - high level	✓	
Fleet composition - detailed		✓
Propensity to charge	✓	✓
Grid capacity - detailed		✓
Recommended number of chargers	✓	✓
Recommended type of chargers	✓	✓
Portfolio review & prioritisation	✓	
Indicative Return on Investment	✓	
Potential revenue calculation - inc detailed ROI		✓
Real-time energy demand (load) calculation		✓
Commentary on linked benefits e.g. footfall, retail spend		✓
Illustrated summary report	✓	
3D model and detailed report		✓

StratEV Lite has been developed as a high-level strategic advisory tool, which can be run quickly in order to provide advice on key matters including the number / type of chargers required up to the year 2050. It can be used at a single-site level, and is particularly suited to the assessment and prioritisation of portfolios of sites.

Example use-case:

Hydrock's StratEV Lite assessment of a portfolio of retail parks for a major operator, enabling a data-based prioritisation of the EV charging roll-out across their sites, including an assessment of the required number and type of chargers at opening and into the future.

Full StratEV assessments add significant additional detail, including potential revenue calculations and assessment of peak electrical load (informing grid connection requirements).

Example use-case:

Full StratEV assessment of a town-centre car park for a Local Authority in the north west of England, including detailed assessment of forecast EV demand, the number / type of chargers required, journey purpose, dwell time, travel distance, fleet composition, propensity to charge, electrical load, grid capacity and revenue.

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Speak to our experts

Mark Pearce
Mobility Analytics Lead
MarkPearce@hydrock.com

James McKechnie
Director, Transportation
JamesMcKechnie@hydrock.com