

Buying EVs is the easy bit....

Planning and installing charging infrastructure takes time and needs careful consideration. It also involves engaging with multiple stakeholders such as landlords, property managers, staff members and electrical engineers.

At Thundergrid we help create infrastructure plans and policies to help you roll out consistent charging systems across your sites that are future-proofed and ready for scale. We engage with the stakeholders on your behalf and ease the load when it comes to rolling out an EV charging system.

Talk to us at info@thundergrid.net or on 04 392 8842 to discuss your needs.



Key considerations when planning EV charging infrastructure

RANGE

What's the typical daily range being travelled by each vehicle? The daily range that an EV will need to recover when charging can impact the amount of power your site will need.

DWELL TIME

How long do your vehicles typically park for? What's the frequency of use? This will dictate the speed the charge station will need to operate at. This has a huge impact on the cost of infrastructure and power requirements.

LOCATION: COMMERCIAL OR DOMESTIC?

If you have a fleet that returns to base you may need a 'cluster' of smart chargers to share power. If your staff will recharge the car overnight from a private home you will need a safe and smart charger that will not exceed the home's power limits. You will also need a way to monitor power use to reimburse staff. Our software can help do this with ease.

ACCESS:

How will the users access and unlock charge stations? Do your chargers need to be locked to restrict public use, or are they already secure? You will need to select hardware that supports your access requirements. Our chargers can be configured to suit your needs.

PARKING

Is the parking location privately owned or rented? If your parking is rented you will need to involve the facilities manager or landlord and discuss who will invest in the charging infrastructure, or how they can support you to get this installed. We can help be a bridge between parties.

POWER CAPACITY

Can the fuse board support the chargers needed? Avoiding upgrading power supplies will save money and complexity. Good power planning means you can often recharge your fleet without the need to trigger expensive upgrades. Our smart chargers help you keep within your building's capacity.

DATA AND BILLING

Will landowners need to be repaid for power? How will this be managed? Choosing the Thundergrid management system allows you to monitor energy usage without manually reading meters. It can automate the cost recovery between yourself and any landowners, including staff home charging. This is key to avoid extra admin.

HELP DESK

Who will provide EV charging help to your users. Who will help fix faults? Having a service contract is key. Thundergrid runs a helpdesk for users, where faults can be monitored and dealt with remotely and onsite if needed.