Avoiding Electric Vehicle Range Anxiety

Practical tips to help you avoid EV range anxiety and make your electric vehicle (EV) experience more enjoyable

1. Know Your Range
- Understand your EV's actual range based on factors like driving conditions, weather, and battery health.
- Check the manufacturer's specifications and consider real-world scenarios.
- Keep in mind that extreme temperatures (both hot and cold) can affect battery performance.

2. Plan Your Routes
- Before embarking on a journey, plan your route to include charging stops.
- Use navigation apps or websites that show nearby charging stations.
- Aim for charging stations at convenient intervals, especially during long trips.

3. Charge Strategically
- Top-Up Approach: Instead of waiting until your battery is nearly empty, charge opportunistically. Regular top-ups can reduce anxiety.
- Fast Chargers: Utilize fast chargers when available. They can significantly boost your battery in a short time.
- Overnight Charging: If you have a home charger, take advantage of overnight charging when electricity rates are lower.

4. Drive Efficiently
- Smooth acceleration and braking help conserve energy.
- Avoid aggressive driving, as rapid acceleration drains the battery.
- Use regenerative braking to recover energy during deceleration.

5. Be Prepared
- Carry charging cables and adapters with you.
- Familiarize yourself with different charging connectors (e.g., CCS, CHAdeMO, Type 2).
- Download relevant apps or use websites to find nearby charging stations.

6. Battery Preconditioning
- Precondition your battery before starting a trip. This involves heating or cooling the battery to optimize its performance.
- Some EVs have a preconditioning feature that you can activate remotely.

7. Stay Informed
- Follow EV news and updates on charging infrastructure.
- Join online forums or communities to learn from other EV owners.
- Be aware of any software updates that may improve range or efficiency.

Are you a manager?

As a manager, reduce the stresses and strains on all drivers, by considering virtual meetings where appropriate, with attendance via Teams, optimise start / finish times and meeting locations (meet halfway, with effective IT facilities, good public transport and road network links).

CEMEX