

Fully funded, fully managed
electric vehicle charging
installations for apartment
residents

BIG DECISION MADE EASY

electricvillage



DISCOVER ELECTRIC VILLAGE CHARGING

Electric Village is investing into electric vehicle charging infrastructure across residential apartment parking. The strategy to increase the uptake of electric vehicles is backed by new Government funding and venture capital.

We recognise that without our intervention apartment residents are unable to switch to driving electric cars because of the difficulty of installing a home charging point in their allocated but landlord-owned apartment parking space.

Equally landlords are unwilling to invest in charging infrastructure until there is evidence of significant electric vehicle adoption by residents. That's a log jam, which is only going to get worse as the Government's 2030 end of the ICE age deadline draws closer.

Our solution is to pre-cable smart electric vehicle charging systems in apartment parking spaces now, which immediately encourages more residents to switch to an electric car. When that day arrives, residents can have their own charger installed and connected to the Electric Village charging platform.



Electric vehicle charging headaches building owners can avoid...

- Investment required is circa £2000 per parking space
- Big money building power upgrades need to be authorised with the local network
- OLEV accreditation and grant paperwork is staggering but essential
- You will be managing cabling, control rooms and multiple charger installations
- You'll need to develop and run the digital 'back office' charger management platform
- Manage the 24/7 resident support line
- Arrange 100% six monthly charger safety inspections
- Manage monthly billing and collection
- Give yourself a pat on the back and start again

...by working with **electricvillage**

The major hurdle we overcome in getting an apartment building car park up and running with electric vehicle charging infrastructure is the big outlay. Put simply there isn't any.

We implement a fully funded, maintained and managed solution that supports itself over the years from resident charges. When usage levels reach a mature state, we share a percentage of the net revenue back to the property.

In the beginning we carry out our own assessment of your building's future electric vehicle growth, to get an understanding of costs and revenues. We also examine technical and operational considerations such as available power supply. And we take on board the views and wishes of residents.

The economics work providing we have exclusive rights to deliver charging services. The term that goes with a 100 per cent zero cost implementation is 20 years of not having to worry about any of the column to the left.

HOW IT WORKS FOR LANDLORDS, BUILDING MANAGERS AND RESIDENT GROUPS

Clearly this is a big decision, particularly as it needs to be made at a time when vehicle and charging technologies are still transitioning.

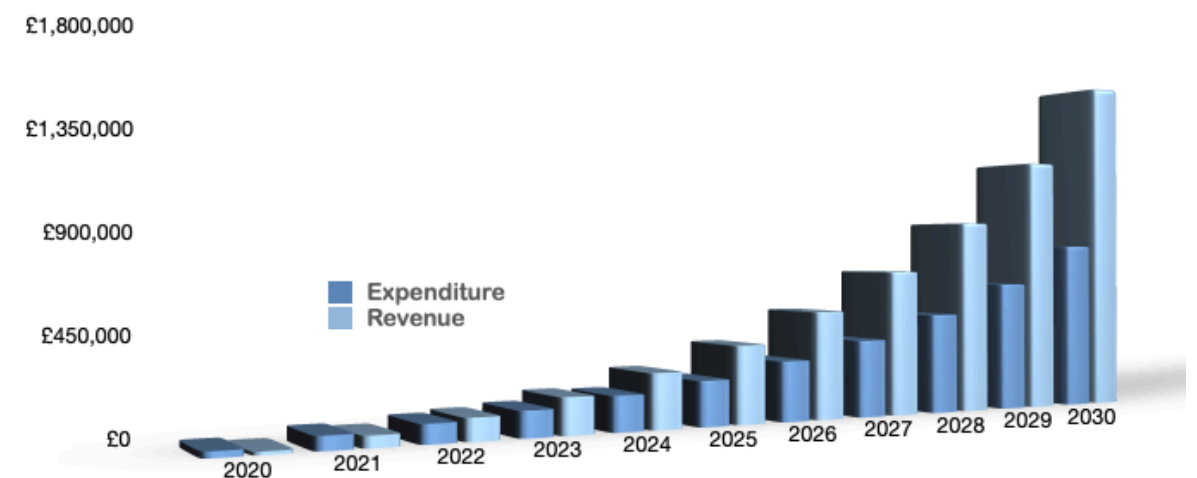
That said numbers are already rising quickly ahead of the 2030 deadline to halt sales of petrol and diesel vehicles. We comfortably predict that many apartment car parks will be more than half full of vehicles charging within the decade.

Electric Village has already started implementations by reaching out to building managers around the UK. We are developing a clear picture of which buildings make the earliest progress on adoption, both in socio economic and

geographic terms. We fully accept that our solution is not right for every residential car park right now but where it works, it works incredibly well.

The graph below shows a typical growth rate based on consistent electric vehicle adoption until the end of the decade at a residential development in south east England.

There is much evidence that apartment buildings that are future-proofed for electric vehicle charging become more desirable, positively impacting property values. It is clearly a factor that more buyers will take into consideration as the UK continues its progress towards its zero emission transport future



The growth of an electric vehicle population at our 350-parking space resident building in Hertfordshire.

How it works for
residents

ALL YOU CAN CHARGE SUBSCRIPTION OR PAYG

- Unlimited off-peak or daytime charging
- Invite a friend to use your charger
- Allocated or dedicated 7.4 kW unit
- RFID or app' based access control
- Hotline and email support
- Full charging history and statistics, monthly statement



The Electric Village platform provides residents with access to subscription and PAYG charging that suits their pockets. It introduces a wide range of digital charging management features such as scheduling, access to green energy tariffs, network roaming, remote HVAC control and even the opportunity to invite guests to charge.

As the electric vehicle and digital energy worlds develop so Electric Village is moving things on too. We have structured some great unlimited charging and vehicle subscription bundles. We are also working on bi-directional charging and peer to peer energy management offers. Electric Village is the ultimate future-proofed, ready today charging system.

RESIDENT PAYMENT SCHEMES

We have two ways that residents pay for charging their vehicles. And no hidden fees or charges. Based on average annual milage, we have created a charge all you need monthly subscription. Minimum subscription contract term is 18 months. Alternatively residents can opt for the pay-as-you-charge method. This method is also used for additional users; guests and visitors.

Residents pay a one-off initialisation fee to cover the cost of installing and commissioning their own charger unit.

THE HARDWARE

Electric Village is manufacturer device agnostic but we only install high quality, commercial grade chargers with MID certified metering. Units connect to the Electric Village digital energy platform using industry standard OCPP software, over GSM and WiFi connections. They also operate using Bluetooth to override any possible local service interruption. Our chargers are smart and capable of

balancing charging loads between vehicles charging and the building supply infrastructure.

SAFETY AND MAINTENANCE

Electric Village uses third party inspection to certify the safety of its installed chargers. We don't mark our own homework. This task is carried out independently by Bureau Veritas engineers. Every unit is inspected every six months

ELECTRIC VEHICLES ARE HERE TO STAY

The electric car market is growing quickly. The most recent set of figures from the Society of Motor Manufacturers and Traders (SMMT) show that plug-in models account for 10.5% of total new car registrations. The penetration of annual sales will increase to 100% by the end of the decade.

TO PLUG-IN OR NOT TO..

- All-electric or pure electric vehicles, where the battery is the only power source plug in. Most current models have a quoted range of 120 - 260 miles. In practice, range varies according to driving style, terrain and the use of equipment such as heating and air conditioning.
- Plug-in Hybrids (PHEVs) can switch between running on electricity or fossil fuels. They typically have a smaller battery and therefore a lower battery powered range of between 10-40 miles. However their maximum range is equivalent to a petrol car.
- Hybrids (HEVs) which do not plug in, such as the Toyota Prius, have a much smaller battery which is recharged while driving. HEVs can drive in electric mode for a just few miles.
- Fuel Cell Vehicles generate their own electricity on-board from a fuel such as hydrogen, and do not need to plug in to the electricity grid to recharge. Re-fuelling is similar to a petrol car.

WILL THE GOVERNMENT CONTINUE SUPPORT FOR ELECTRIC VEHICLES?

Yes it will. In the November 2020 Spending Review, the Government announced that it is investing £1.9b in charging infrastructure and consumer incentives, including £950m to support the rollout of rapid electric vehicle charging hubs at every service station on England's motorways and major A-roads; £582m for the Plug-in Car, Van, Taxi, and Motorcycle Grant until 2022-23; £275m to extend support for charge point installation at homes, workplaces and on-street locations; £90m to fund local charging infrastructure to support the roll out of larger on-street charging schemes and rapid hubs in England.

The Government has confirmed the two step phase-out for the sale of new petrol and diesel cars and vans is brought forward to 2030. Step 2 will see all new cars and vans be fully zero emission at the tailpipe from 2035.

A hand is shown holding a string of warm white light bulbs. One bulb is already lit, and the hand is about to turn on another. The background is a soft, out-of-focus sunset or sunrise sky with warm orange and yellow tones. The overall mood is warm and inviting.

electric village

we simplify the business of charging electric
vehicles

Contact Stewart Mckee, Managing Director

www.electric-village.co.uk