



What makes our approach unique?

eVc PowerTech is not just another EV charge point manufacturer. We're leading the charge to create the next generation of EV charging solution.

Since our CTO designed and built an EV charging unit in 2006, our designers have been working at the forefront of EV charging technology. From proposing the first battery-backed rapid charging hub in 2009, building an electric van with hot-swap batteries in 2014 and designing portable rapid chargers in 2017, our designers have been leading the way.

eVc PowerTech has been formed to bring together experts from the fields of EV charging, power electrics, electric vehicle developments, machine learning, battery storage and peak shaving to develop the next generation of EV charging technology.

Our approach is very different to what you will find elsewhere. We specialise in hub charging solutions: specifically, charging five or more electric vehicles at the same time. Our charge speeds range from low speed AC charging for hybrids up to multi-megawatt DC charging capable of rapid charging ships and aircraft.

We have developed two different products, based on the same underlying technology:

- Mini Hub is designed to offer both AC and DC charging for five to ten vehicles from a restricted power source. It can replace a typical twin-point AC charging point with a full EV charging hub without upgrading the grid. It's designed for car parks, workplace charging, fleets and on-street parking that has outgrown the one or two charging point solution.

- PowerTech DC is our full-blown EV charging hub system. Designed to rapidly charge large fleets of vehicles, the central power system can expand to meet your future needs. It's designed for bus fleets, HGVs, motorway services and for future ship, train and aircraft applications.

We've created a centralised power system. This splits the power out to individual charging points. This gives us a far more efficient power management system, allowing more vehicles to be charged at the same time at their optimum speed. It also makes our system far more expandable, allowing our customers to start small and grow their systems, increasing charge speeds and volume of charge points in the future to match demand.

Our system is rapid to deploy and is relocatable. To expand, batteries can be added to boost the grid and our unique machine-learning system can reduce overall energy demand at peak periods during the day to maximise the number of vehicles that can charge at the same time.

Our approach gives our systems far greater longevity than our competitors.

Because the power is shared based on



demand, a vehicle can plug into any charge point and get the power they need, rather than being limited by the capacity of an individual charger or an individual charging cable. You can upgrade the performance of every single charge point by simply upgrading the central power system.

Put simply, our system allows you to start small, then grow over time without having to replace the equipment you installed in the first place.

Our competitors may tell you their systems do the same. They don't. Most of our competitors sell individual charging points and then add power management on top of this. This approach is flawed. Want to increase the charging speeds? You need to upgrade or replace every single charging point individually. Want to share the charge between two or three vehicles, the charging speed will usually vary depending on which socket you plug into, rather than the capacity of the car. The result? Unpredictable charging speeds, driver frustration and customers looking elsewhere for charging their vehicles.

Our centralised system has other benefits too. Using above ground trunking keeps your investment available for reuse, instead of buried in the ground. Deployment is quicker, upgrades and maintenance are easier. Adding additional charging points is low cost, allowing you to start small and grow the site as demand increases.

Delivering only the power that is needed to each vehicle increases the capacity of the system, allowing you to deliver more power to more vehicles at the same time. This can lead to exponential increases in potential revenue over conventional charging solutions, reducing payback from 10+ years down to between two and four years in many instances.

What makes us different – in a nutshell

- We're modular. Start with a small system and scale as demand increases
- Rapid deployment: install a MiniHub in a day, a DC hub in 1-2 weeks
- Centralised architecture does not restrict performance on any one charging outlet
- Smart power management can reduce overall demand on the grid at peak times of the day
- Site wide power control means more chargers can be installed without overreaching grid capacity
- Add batteries to further increase the capacity of the system
- Patent protected charging connector design that reduces trip hazards and reduces the likelihood of damage to cables and connectors
- Centralised control means lower capital costs and less money spent on infrastructure and more on asset
- Can decommission and move the entire facility to a new location if required
- Lower installation costs than installing multiple individual chargers
- Greater revenue opportunities by always having the right mix of chargers available
- PowerTech DC: up to 400kW per charging outlet, with the ability to combine up to eight outlets to boost power delivery to one vehicle for future applications (shipping, aircraft, trains, HGVs)

Find out more today

If you are planning an EV charging installation, get in touch with us to find out how we can help you. We look forward to working with you.