









THE EVOLUTION OF ROLEC EV

EARLY DAYS IN 2008...

Having experienced huge successes around the world with Rolec's range of marina service pedestals and caravan hook-up units, Managing Director Kieron Alsop spotted an opportunity for further innovation - this time by entering the fledgling electric vehicle industry.

With its strong WallPod product design as a starting point, and the enormous potential of the EV industry ahead, Kieron felt that Rolec could provide a significant impact on the way that EV charging points were designed, manufactured, supplied and installed throughout the UK.

With an ethos and history of manufacturing high quality, cost effective EV charging units, as well as offering bespoke options to match the end user's requirements, Rolec EV started to go from strength to strength and soon became an OLEV government grant funding approved manufacturer.

Rolec EV's product portfolio quickly grew to become the largest and most comprehensive EV charging range in Europe, and the stage was firmly set for the many EV charging successes that were to follow.



THE EVOLUTION OF ROLEC EV

...10 YEARS LATER

Rolec EV is the largest independent EV charge point manufacturer in the UK.

Some of the company's achievements over the past 10 years within the EV industry have included:

- Over 100,000 EV charging points manufactured & supplied to date
- Over 50,000 WallPod EV charging points manufactured & supplied to date
- EV charging product certifications received from Nissan, Kia, Hyundai, Renault, Mitsubishi, etc.
- More than 135 staff operating from a purpose built, multi-million pound factory and office complex based in Boston, Lincolnshire
- Construction of a specialist EV charge point installation/training academy and showroom on site, which regularly attracts visitors from all over the world
- Over 50 bespoke Rolec EV sponsored charge point installation training courses taking place regularly throughout the UK
- Manufacturers of Europe's largest range of EV charging points
- Introduction of a range of DC Rapid Chargers, including 150kW UltraFast chargers
- Receipt of a range of industry awards for our products
- The formation of a range of partnerships, with companies such as Vodafone, Ecotricity, Utility Alliance, Delta Electronics, etc.
- The winning of a number of high profile projects, including the NHS Fleet, the Battersea Power Station development, the UPS London HQ, Kia Motors' national charge point network and Jaguar Land Rover factory charging network to name but a few







OUR CUSTOMERS

The Rolec EV charging range is trusted throughout the UK and has been supplied to a number of household names.

Here is a snapshot of some of the companies which have ordered Rolec EV charging points to date...

































































THE ELECTRIC VEHICLE INDUSTRY

In recent years the electric vehicle industry has taken huge steps forward, which has included significant advancements in battery technology.

With a new generation of PHEVs now offering a greater electric driving range than that of the early full electric vehicles, the original phobia of "range anxiety" is now becoming a thing of the past.

When you combine the advancements in battery technology with the continued deployment and expansion of the UK's charging infrastructure, the tipping point of EVs becoming mainstream is very definitely on the horizon.

With manufacturers continuing to invest heavily in EVs and battery technology the latest full electric vehicles are promising to deliver anything up to a 400 mile range, which can be charged in a fraction of the time using the new generation of UltraFast chargers - some of which have the capacity to charge at up to 350kW.

While the Government has made substantial contributions to encourage the uptake of EVs, we believe there are still a number of quick and easy steps that could be taken. One particular course of action that would provide significant and produce immediate results would be to make it mandatory that all new home builds, and construction projects in general, include electric vehicle charging points as standard in planning permission applications.

Another critical target that the Government and the EV charging industry in general has to resolve is the way that the EV driver pays for, and accesses, their EV charging in public. The days of closed, member-only public charging networks needs to be a thing of the past - enabling all EV drivers to use any charging point, anywhere, at any time, with a variety of access and payment methods such as mobile phone, contactless bank cards, etc.

Kieron Alsop Managing Director, Rolec EV



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ROLEC EV OFFERS:

Over 10 years as a key stakeholder shaping the EV charging industry

O Dedicated Account & Project Managers

Provision of both sales and technical support

Superior manufacturing and technical prowess

A position constantly at the forefront of R&D and new technologies

Complete UK-wide installation and maintenance service

ROLEC'S COMPETITIVE EDGE

With over 25 years' experience in the design, manufacture and installation of electrical systems, Rolec is well placed to offer a full turnkey EV charge point installation service.







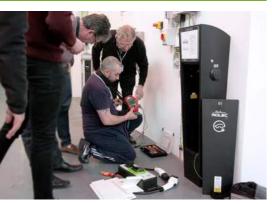
PRODUCT INNOVATION

Rolec prides itself on the innovations it regularly introduces into the industries it operates in.

In addition to being recognised worldwide for the unique products and ideas it has introduced into the caravan park and marina services industries, Rolec is now making a huge impact on the EV charging industry.

With standout innovations so far having incorporated everything from electrical load management, through to Smart charging and street light EV charging points, Rolec has a rich history of providing a fresh and improved approach.













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NATIONWIDE INSTALLATION & MAINTENANCE

Rolec EV manages a network of professional EV charge point installers covering all areas of England, Scotland, Wales and Northern Ireland.

All installers are specifically chosen for their ability to deliver a competent, prompt and professional service, ensuring that all your customers' EV charging requirements are managed, installed and certificated to the highest standards.

From a simple domestic WallPod installation through to a bespoke back office managed EV charging network, Rolec and its team of nationwide installation partners has an EV charging solution for every location and budget.

- Our nationwide installation partners are also able to provide maintenance contracts and emergency call-out services
- All installations are carried out to current IET and BS 7671 electrical wiring regulations
- All installations are fully certificated on completion of installation
 - Live enquiry to installation tracking system available

Rolec continues to recruit large numbers of EV charge point installers, expanding its network and providing local coverage to all areas of the UK.

The growing number of installers wishing to work with Rolec is a result of the company's strong reputation in the EV charging industry.

Rolec EV now sponsors a programme of over 50 specialist EV charge point training courses for electrical contractors throughout the UK. These courses, as well as providing general information relating to the EV charging industry, also provide hands-on practical training on the Rolec EV charge point product range.



ENQUIRY & INSTALLATION TRACKER

"The easy, hassle-free way to arrange EV charge point installations."

Rolec EV's charge point enquiry and installation tracker portal enables you to simply submit all of your installation requests at any time - then leave the rest of the work to us.

The service is always up to date and fully transparent – allowing you at any time to track the progress of an installation, from initial enquiry right through to completion.

The Rolec EV tracker portal provides you with these extra features while requiring no extra time or effort on your part, and is a great tool to keep people informed and confident of the progress of their installation.









WORLDWIDE **DEMAND**

Rolec EV charge points have a growing worldwide presence - with charging units installed throughout the world.

You will find Rolec EV products in countries from Barbados to New Zealand, including customised versions for global brands such as:







































ENVIRONMENTAL ETHOS

Rolec EV continues to build on, and expand, its environmental policies - continuously reviewing and implementing new ideas and policies, and always striving to minimise any negative impact on the environment.

Some of our policies and initiatives include:

- Courtesy mini-buses provided to transport staff from home to work and back again, which minimises traffic on the workplace/home commute. This equates to a carbon/ CO₂ output reduction over the past 4 years of 142.12 metric tonnes
- Implementing energy efficient LED lighting in both manufactured products and factory/warehouse/office lighting
- Promoting the use of recycled packaging within Rolec and its suppliers
- Implementing a waste management policy whereby all waste materials are segregated and sent to waste recycling plants
- Active member of the WEEE Recycling Scheme
- Joining in with community projects such as woodland tree planting and local school environmental awareness visits

Rolec continues to expand its electric vehicle fleet in order to reduce its environmental impact.







HEALTH & SAFETY CONSCIOUS

We are committed to the safety and welfare of our employees, contractors and customers through a series of initiatives including prevention, education and awareness.

The Rolec managerial team members have accepted responsibility, enabling the company to continuously measure, monitor and improve Health and Safety performance.

Rolec will always try to exceed all applicable health and safety legislation, recommendations and best practice - and endeavour to identify any potential hazards or risks, assessing and controlling these in order to prevent the occurrence of any accidents or incidents.

In addition to Health and Safety, Environmental, and Quality, other policies Rolec operate include:

- Ethical Trading Policy
- Anti-bribery and Corruption Policy
- Purchasing and Supply Chain Policy
- Corporate Social Responsibility Policy
- Modern Day Slavery and Human Trafficking Policy













Homes Workplaces Offices Factories Restaurants Hotels Etc.

WALLPOD: EV

With over 25 unit variations available, the versatile WALLPOD:EV charging range provides low cost, entry level electric vehicle charging in both Mode 2 and Mode 3 formats for home and workplace environments.

Designed to be compatible with all current PHEVs and EVs, the WALLPOD:EV is the UK's favourite charging point - with over 50,000 in operation throughout the country.

The WALLPOD: EV range provides Mode 3 fast charging in both 3.6kW and 7.2kW, as well as superfast 11kW and 22kW, speeds.

A SELECTION OF WALLPOD:EV FEATURES



Available





Management





OLEV

13A Maintenance

Fundable













5m Tethered



Integration







Visit our website: www.rolecserv.com



Car parks Factories Warehouses Hotels Leisure centres Stadiums Etc.

SECURICHARGE: EV

With over 20 unit variations available, the SECURICHARGE:EV wall unit range provides robust, heavy-duty, hard-wearing, vandal resistant EV charging solutions, specifically designed for exposed commercial and public facing locations.

Designed to be compatible with all current PHEVs and EVs, the SECURICHARGE:EV range is the ideal charging solution for numerous locations including hotels, car parks, offices, factories, warehouses, stadiums, leisure centres, etc.

The SECURICHARGE:EV range provides Mode 3 fast charging in both 3.6kW and 7.2kW, as well as superfast 11kW and 22kW, speeds.

A SELECTION OF SECURICHARGE:EV FEATURES













Security































& Durable





Car parks Airports Warehouses Hospitals Factories Schools Etc.

BASICCHARGE: EV

The BASICCHARGE: EV pedestal range is the brother to Rolec's world-leading Classic utility pedestal, which now boasts over 150,000 units sold worldwide. This mass produced, tried and tested pedestal is, we believe, the most affordable and adaptable EV charging pedestal in the UK.

BASICCHARGE:EV is designed to be compatible with all current PHEVs and EVs, providing the ideal charging solution for hotels, private car parks, offices, factories, warehouses, hospitals, leisure centres, schools, etc.

The BASICCHARGE:EV range provides Mode 3 fast charging in both 3.6kW and 7.2kW, as well as superfast 11kW and 22kW, speeds.

A SELECTION OF BASICCHARGE:EV FEATURES











13A Maintenance



Platinum Range



















Fundable





Car parks Hotels Warehouses Leisure centres Factories Stadiums Etc.

QUANTUM: EV

With over 25 unit variations available, the QUANTUM:EV pedestal range offers a unique blend of quality and value, and has been specifically designed to add a touch of style and flair to the EV charging industry.

This pedestal range features modern anodised aluminium construction, as well as unique LED louvered amenity lighting to safely guide EV drivers to their charging point during the hours of darkness.

This QUANTUM: EV range provides the perfect canvas for all corporate branding requirements.

QUANTUM:EV is designed to be compatible with all current PHEVs and EVs, providing Mode 3 fast charging in both 3.6kW and 7.2kW, as well as superfast 11kW and 22kW, speeds.

A SELECTION OF QUANTUM:EV FEATURES





























Socket







Fundable



& UV Stabilised





Car parks Offices Warehouses Hospitals Factories Stadiums Etc.

AUTOCHARGE: EV

With over 40 unit variations available, the AUTOCHARGE:EV pedestal range offers robust, heavy-duty, hard-wearing EV charging pedestals specifically designed and manufactured to offer a variety of free-to-use or pay-to-use charging solutions for both commercial and public facing locations.

These versatile future-proof pedestals can be initially provided in a low cost free-to-charge format, which is easily upgradeable to accommodate a number of pay-to-charge (PAYG) systems in the future.

AUTOCHARGE:EV is designed to be compatible with all current PHEVs and EVs, providing Mode 3 fast charging in both 3.6kW and 7.2kW, as well as superfast 11kW and 22kW, speeds.

A SELECTION OF AUTOCHARGE:EV FEATURES









Management



Platinum Range

















Connectivity

Fundable

ROLEC

O



Fleet parking Taxi companies Commercial locations Busy offices Factories Forecourts Etc.

DC WALLBOX 25KW DC **+RAPID** CHARGER

The 25kW DC WallBox **RAPID Charger is a compact wall or pedestal mounted unit offering an entry level, low cost DC rapid charging solution ideal for fleets, taxi companies, commercial locations, busy offices, etc.

DC WallBox is available in both 1way & 2way configurations as follows:

1 x CCS Combo Single Connection

1 x CHAdeMO Single Connection

1 x CCS Combo + 1 x CHAdeMO Dual Connection

The DC WallBox has a number of charge activation settings / operations, including:

- Free-to-Charge
- Security Key Switch Control
- RFID Contactless Smartcard (Back Office Managed)

A SELECTION OF DC WALLBOX FEATURES



CHAdeMO Rapid DC Connector



IEC 61851-1



CCS Rapid DC Connector



& UV Stabilised







RFID Key Fob/Card



Nationwide Installation & Maintenance





Certified



Visit our website: www.rolecserv.com



DC ULTRAFAST* CHARGING STATION

The DC ULTRAFAST* (UFC) charging station is one of the most advanced, professionally engineered and future-proof ultrafast DC charging stations in the world.

This ultrafast charger is upgradable from the entry level 50kW unit in modules of 25kW all the way up to 150kW without ever having to change or modify the station itself.

Each station can offer up to 6 x AC and DC charging outlet combinations, and charge up to 4 x vehicles simultaneously.

A SELECTION OF DC ULTRAFAST FEATURES



CHAdeMO Rapid DC Connector



IP55 Weather Proof & UV Stabilised

CCS Rapid DC Connector

43kW Type 2 AC Connector

IK10 Impact



Nationwide Installation







Certified

IDEAL LOCATIONS INCLUDE:

Fleet parking Motorway services Commercial locations Busy offices Factories Forecourts Etc.





Public car parks Private car parks Streets Highways Marketplaces Stadiums Etc.

STREETCHARGE: EV VI

The STREETCHARGE: EV V1 range is designed to offer a highway specification street light combined with an electric vehicle charging point.

STREETCHARGE:EV V1 provides the operator with a number of charging solutions including Free-to-Charge, key switch control charging and Pay-to-Charge by mobile phone.

Ideal locations for STREETCHARGE:EV V1 include streets and highways, as well as both private and public car parking areas.

Designed to be compatible with all current PHEVs and EVs, the STREETCHARGE:EV V1 range provides Mode 3 fast charging in both 3.6kW and 7.2kW speeds.

A SELECTION OF STREETCHARGE:EV V1 FEATURES











Mobile Phone

















Column







Certified





STREETCHARGE: EV V2

The STREETCHARGE: EV V2 range is designed to easily and quickly convert an existing street light column into a combined street light/EV charging point.

This street light conversion solution avoids the necessity for additional cabling and planning permission, and is able to accept all standard electric vehicle charging cables.

STREETCHARGE:EV V2 provides the operator with a number of charging solutions, including Free-to-Charge, key switch control charging and Pay-to-Charge by mobile phone.

Designed to be compatible with all current PHEVs and EVs, the STREETCHARGE: EV V2 range provides Mode 3 fast charging in both 3.6kW and 7.2kW speeds.

A SELECTION OF STREETCHARGE:EV V2 FEATURES









Mobile Phone





























Street Lights

& Durable

& UV Stabilised

IDEAL LOCATIONS INCLUDE:

Public car parks Private car parks Streets Highways Marketplaces Stadiums Etc.



STREETSERV: EV

The STREETSERV:EV charging range provides robust, hardwearing and vandal resistant EV charging solutions in the form of traditional street furniture posts.

STREETSERV:EV has been specifically designed to be installed in any exposed public facing location - and has proven particularly successful as a private on-street charging solution for EV drivers without access to off-street parking.

STREETSERV:EV is compatible with all current PHEVs and EVs, providing Mode 3 fast charging in both 3.6kW and 7.2kW speeds, as well as Mode 2 charging at up to 3kW.

A SELECTION OF STREETSERV:EV FEATURES







Door Locked



























Weather Proof









IDEAL LOCATIONS INCLUDE:

Private on-street parking Streets Marketplaces Leisure centres Warehouses Stadiums Etc.





Events Car showrooms Service centres R & D facilities Outdoor locations Shows Etc.

CUBICHARGE: EV

compact, hard-wearing cube.

2 charging at up to 3kW.

Complete with carry handles, mounting feet, built in protective switchgear and LED charging status indicators, the CUBICHARGE:EV is the ideal portable charging solution for use at events, car showrooms, service centres, R&D facilities - in fact, anywhere temporary and portable EV charging is required.

Designed to be compatible with all current PHEVs and EVs.

A SELECTION OF CUBICHARGE:EV FEATURES









& Durable



Platinum Range



Weather Proof



Stabilised



Retardant











The CUBICHARGE: EV range has been designed to offer portable, temporary electric vehicle charging solutions in a

By connecting the unit to an available single or three phase electrical supply, or generator, it becomes a Mode3 EV fast charging unit which is available in either 7.2kW or 22kW charging speeds, as well as Mode



A SELECTION OF CHARGECHECK:EV FEATURES

- Simulates an electric vehicle
- Simulates and tests IEC 61851-1 Mode 3 communication compliance
- Tests J1772 (Type 1) charging points
- Tests IEC 62196 (Type 2) charging points
- Tests for correct Live Neutral Earth polarity
- Provides test socket for Earth loop impedance test • Provides test socket for RCD / RCBO trip time and sensitivity test
- Allows for test of contactor action
- Includes a 1 metre J1772 (Type 1) to IEC 62196 (Type 2) adapter cable
- Includes protective CHARGECHECK:EV carry bag



Experience

















Rolec EV holds the UK's largest stocks and widest range of EV charging cables and accessories to suit every EV and PHEV on the market today, including:

- Plug to plug Mode 3 charging cables
 - Tethered leads
 - Portable Mode 2 charging cables
 - Adapters & conversion leads
 - Charging cable carry bags









Type 2 Mode 3 **Charging Cables**



Tethered Leads



Portable Mode 2 **Charging Cables**



Adapters & **Conversion Cables**



Charging Cable Carry Bags

in the UK



EV CHARGE POINT BRANDING

Rolec offers bespoke colour and branding options across the majority of its EV charge point range.

These custom options are ideal for corporate branding, colours and logos.





The EV driver can access their charge point via the app and gain access to remote switching as well as full analytics of their charging session, including kWh consumption, electric miles, savings on CO2 emissions and even cost benefits against their previous petrol/diesel vehicle.

The charge point offers quick and secure EV charging for an individual EV driver who wants to stay informed and in control. These charge points are also ideal for third party companies who may wish to offer their EV drivers charge points in exchange for charging data or benefit-in-kind calculations*.

A SELECTION OF HOMESMART EV FEATURES







Integration Metering

kWh



Feedback



Optional Third Party Charging Data Sharing

EV DRIVER EXPERIENCE

HomeSmart EV is available in the cost-effective and stylish WallPod unit, ideal for private parking environments. Each charging point has a built-in modem and GPRS Sim card or ethernet terminal.

To operate, the EV driver simply creates a free account and links it with the unique ID on the charging point.

- Compatible with all smartphones, tablets and computers
- Quick and easy account registration via homesmartev.online
- Can be ordered and installed within 10 working days
- Ready to use once installed
- Obedicated software & technical support
- Ø Optional automatic charge point power lock-down after cable disconnection

OPTIONAL THIRD PARTY CONNECTIVITY

The increasing number of EV drivers on the road has shown to correlate with the increasing electricity demands within the home environment. As a result, data gathered is passively monitored to ensure all units are always operating safely and not disrupting the home.

The HomeSmart EV system, managed by UltraSmart, can work with third parties to improve the charging services offered, i.e. by working in partnership with the home's electricity supplier, the charge point could temporarily be switched off or have its power rate reduced to safely manage the home's electricity supplies.

All data produced as a result of the HomeSmart EV system is securely held and encrypted within the UltraSmart database. The core back-office consists of the MS SQL database, which is accessed by a third party with a standard API, compatible with JavaScript, XML, http and PHP language.

*Only with the expressed consent of the EV driver/charge point owner will the system allow the specified third party restricted connectivity with the back-office in order to access an individual's charging data, in accordance with GDPR laws.

SYSTEM FEATURES: SMART Start/Stop Charging



















solution via the EV driver's mobile phone.

- NO Driver Annual Membership Fees
- NO Driver Monthly Subscription Fees
- NO Driver Connection Fees
- NO Operator Licence Fees

A SELECTION OF EV CHARGE.ONLINE FEATURES















EV DRIVER BENEFITS

EV CHARGE.ONLINE allows every EV driver to pull up to the charging point and, using their mobile phone and the charging app, simply pay on the spot for its use.

The main attraction for the EV driver is that he/she no longer has to pay any costly and unnecessary charging network membership, subscription or connection fees.

The user simply pays for the charge advertised on the charging point or app using secure WorldPay protected payment methods such as Visa, Mastercard and American Express.

OPERATOR BENEFITS

Easy to install, EV CHARGE.ONLINE only requires an electricity supply, ethernet connection or GPRS signal in order to be installed in any location.

The **flexible design** inherent in EV CHARGE.ONLINE allows the operator to manage a single charge point, through to a national multiple charge point network. The system can also optionally accommodate private network schemes (i.e. staff, members, etc).

In addition, the system's "only pay for your charge" popularity with EV drivers presents the operator with the opportunity to generate a higher value income stream than traditional charging network resulting in EV CHARGE.ONLINE charging points potentially paying for themselves within 12 months!

Operators pay no licence fees and set their own charging tariffs with EV CHARGE.ONLINE there are no hidden extras.





operator to nave **ruii control and visibility** of their charging network and users activities.

This state-of-the-art system is **ideal for providing managed EV charging for fleets, company employees, visitors, residents, customers, etc.** using a unique **RFID** keyfob/card.

EV GroupManager has been designed to manage both small localised charge points networks, through to much larger scale national networks deployed across multiple locations.

A SELECTION OF EV GROUP MANAGER FEATURES









Optional Third Party
Back Office Connectivity

Management



OPERATOR BENEFITS

EV GroupManager enables operators to remotely manage their entire EV charging network via an easy to use computer desktop application.

This shows the operator the locations of the EV charging points, allows tariffs and procedures to be set, EV drivers to be registered/removed, and the issuing of authorised RFID cards/fobs for interaction with the charging points.

Operators can also see live data on which charging points are in operation and access other instant reports, such as EV driver charge point history, etc.

HOW IT WORKS

To enable full connectivity to the cloud-based back office each EV GroupManager charging point has a built in modem and GSM/GPRS SIM card or ethernet terminal.

The EV driver offers their RFID card/fob to the charge point's RFID reader and, upon authorisation from the back office, the charge point switches on - starting the charging cycle.

The charge point's digital display provides the EV driver with clear instructions and shows their charging status, i.e. charging time available, etc.

All information relating to the charging cycle is relayed to the EV GroupManager back office so the operator can access the data anytime, anywhere, for billing, benefit-in-kind calculations, analytical use, etc.





EV Load Manager has been developed as an electricity load management solution for locations requiring multiple EV charging points where the charging points have a higher collective load potential than the electricity supply available.

This system ensures charging facilities are available, even for sites with a limited electricity infrastructure, by temporarily reducing EV charging capacity.



A SELECTION OF EV LOAD MANAGER FEATURES





Visit our website: www.rolecserv.com



Incoming Power Supply



Ideal For Private Management Residential Developments

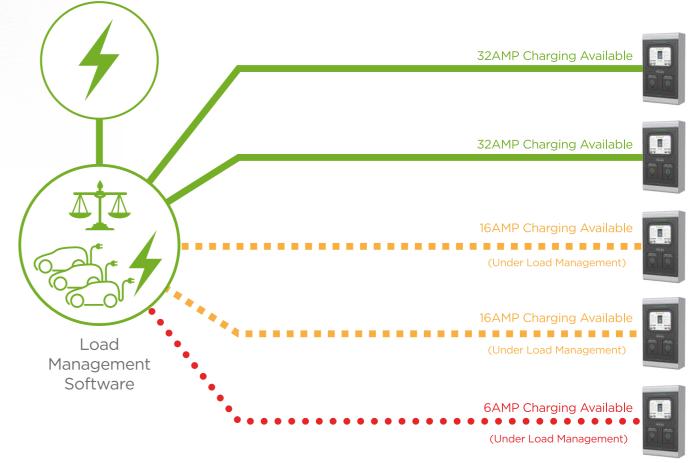
HOW IT WORKS

The EV Load Manager system is initially set up by entering into the management software the number of charging points on site, including their collective load potential and the electricity supply available. Once this information is fed into the software, the system calculates the most efficient way of managing the electricity across the EV charging points and thereby always protecting the power supply and so minimising the potential for power disruption.

Once the EV Load Manager is operational, the system will constantly monitor the charging points and distribute / re-distribute electricity (amps) to the charging sockets as and when EV drivers connect or disconnect from the system.

The EV Load Manager system will also manage EV driver charging expectations by always initially informing them of the minimum charge (amps) available when they first connect, e.g.: if the system is under high occupancy, the EV driver may be advised that the minimum charge available to them is 16amps (3.6kW), or even an 8amp trickle charge. However, during the charging cycle, if other drivers disconnect from the system, that EV driver's charging supply may increase to 16amps (3.6kW) / 32amps (7.2kW) automatically as and when electricity becomes available.

Incoming Limited **Electrical Supply**



When EV drivers disengage from the system, the freed up electricity is redistributed where needed

The digital display on the charging point or mobile phone provides the EV driver with information relating to what level of charging they will receive.



This versatile system allows up to 18 x EV charging points/bays to be managed from the control panel, offering either free-to-use or pay-to-use (PAYG) charging options.

This system has been specially designed to be **similar in operation to a car** park ticket machine. The driver simply parks in the EV charge point parking bay and then, through the EV ControlCentre, initiates the electric vehicle charging procedure.

Ideal for single level, multi-level and underground car parks.

A SELECTION OF EV CONTROL CENTRE FEATURES









Ideal For Car Parks



SYSTEM BENEFITS

The EV ControlCentre has been designed with the ability to control and manage the various charging units from the Rolec EV product range, including WallPod, SecuriCharge, BasicCharge, Quantum, AutoCharge etc.

The EV ControlCentre is a future-proof system which can be initially installed as a free-to-charge version that can be upgraded at a later date, if required, to accommodate a pay-to-charge solution via either EV GroupManager (RFID) or Token Mech (PAYG).

HOW IT WORKS

This system has been specially designed to be similar in operation to a car park ticket machine. The driver simply parks in the EV charge point parking bay and then, through the EV ControlCentre, initiates the electric vehicle charging procedure.



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SKANSKA CASE STUDY

Major Housing Development -**Battersea Power Station**

Rolec EV charging points were installed as part of the recent £9billion Battersea Power Station project in central London.

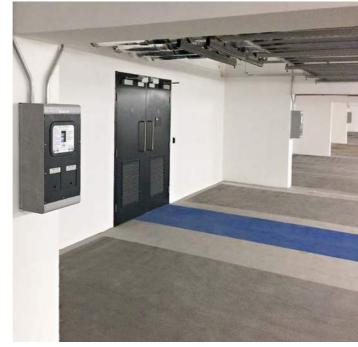
SCOPE:

- Develop a 500 strong EV charge point network enabling residents to use their personal security/ access RFID card to initiate any EV charge point. EV charging usage data is then sent to the client's back office.
- A key feature for this project was enabling the EV driver to use the Rolec RFID card to not only manage EV charge points, but to also use them for controlling car park access barriers, lifts, security access, etc.
- Introduce an Electricity Load Management system due to limited power availability.
- Work with the constraints of the site's logistics and procurement patterns.

SOLUTION:

Install Rolec's EV GroupManager back office system in conjunction with twin SecuriCharge:EV units incorporating RFID readers, customer data displays and bespoke Load Management software.









UPS CASE STUDY

EV Charging Smart Grid -**UPS Electric Fleet**

Rolec EV were tasked with designing an EV charging infrastructure at the flagship UPS depot in London.

SCOPE:

- Design, develop and install a network of just under 100 EV charging points complete with Ethernet connectivity and a bespoke integrated management back office.
- Obesign a bespoke dynamic electricity load management system enabling UPS to constantly monitor electricity demand on site in conjunction with EV charge point activity.
- Integrate a large scale battery/energy storage system that can be automatically called upon to reinforce the grid supply in the event that demand exceeds grid power availability.

SOLUTION:

Install a tailored Rolec EV Charge Online system in conjunction with SecuriCharge:EV charging units incorporating the Rolec dynamic Load Manager software and Ethernet connectivity.











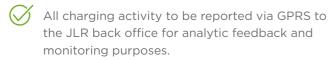
JAGUAR LAND ROVER CASE STUDY

EV Fleet Management and Prototype Testing

Jaguar Land Rover approached Rolec EV to provide a solution which could fulfil their current and future EV charging requirements across various production facilities throughout the UK.

SCOPE:





SOLUTION:

Design and installation of Rolec's EV GroupManager system in conjunction with Rolec AutoCharge pedestals and SecuriCharge wall units, providing a future proof and expandable charging network that can be deployed throughout the UK.











KIA MOTORS UK CASE STUDY

Showroom, Head Office and Customer Home Charging

Kia Motors UK had a requirement to implement a nationwide EV charging network deployed across its near 200 showrooms, as well as offering standardised EV home charge point installations to its EV customers.

SCOPE:

- Design and manufacture a range of Kia branded pedestal and wall mounted EV charge points to be located at Kia dealerships, nationwide.
- Arrange installation of the charge point network to meet Kia's requirements and timescales.
- Design and manage a bespoke charge point installation management portal to enable Kia customers' home charge point installations to be monitored and managed, from enquiry through to installation completion.

SOLUTION:

Supply/installation of EV charging solutions across the Kia dealer network. Manage the home installation of Rolec EV WallPod charging points for Kia EV customers.









VODAFONE PARTNERSHIP

Rolec EV is Vodafone's chosen global strategic partner in the EV industry

Jointly promoting, quoting and installing EV charging solutions for their corporate clients throughout the world.

Our award-winning WallPod EV charging units even made a cameo appearance in the Vodafone TV commercial!









FURTHER PARTNERSHIPS

Rolec continues to develop close partnerships with industry leading companies connected to, or associated with, the EV industry.

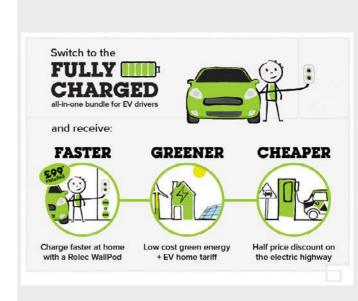
ECOTRICITY

Rolec and Ecotricity have developed a groundbreaking initiative that enables EV drivers to receive 100% green home energy, discounted nationwide charging on the Electric Highways, and a subsidised home charge point installation as part of the Fully Charged bundle.

UTILITY ALLIANCE

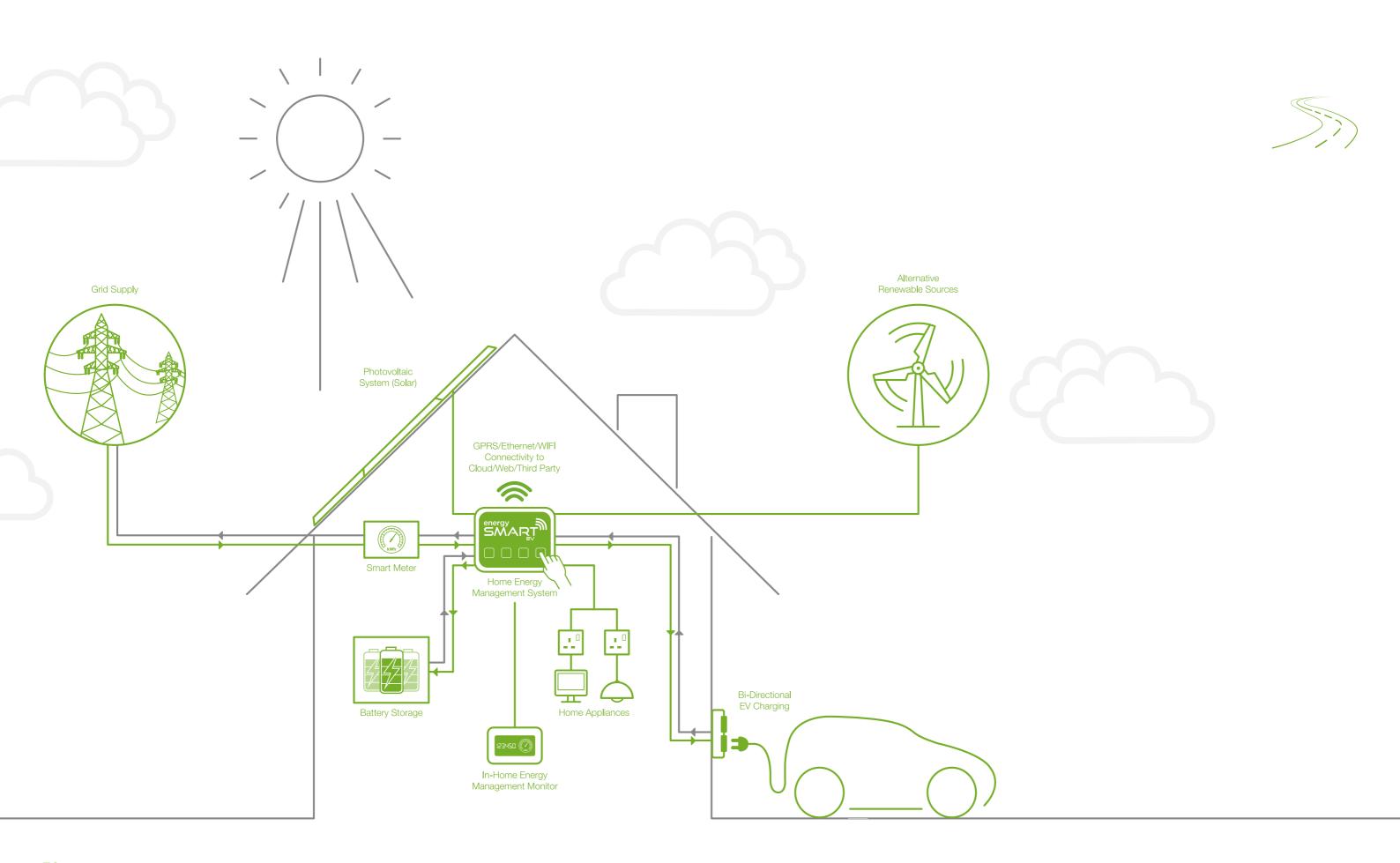
Rolec and Utility Alliance have launched a joint financing initiative that enables commercial businesses to receive fully funded EV charging points for their premises by transferring their current energy account to a competitive utility energy package.

These and further partnerships will continue to ensure that EV drivers benefit from low prices and a wider EV charging infrastructure.









THE UK'S LEADING MANUFACTURER **OF EV CHARGING POINTS**









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