

Charge Points for Emergency Fleets

Self-funded and financed programmes

Design, installation, operation

Dr Christian N Jardine, Technical Director

- Stories from the front line
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Surrey and Sussex Police

 @jojusolar



“The problem is that the bad guys don’t have environmental targets”

Dennis Ord,
Head of Transport for
Surrey & Sussex Police

70 charge points
installed Nov/Dec
2018

About Joju Charging

- Joju Charging design, install and operate EV charge points for public sector clients
- We are nominated as contractor of the Year at the 2020 EVIEs Awards
- We were the first installers to sign up to the EV Consumer Code



- Joju Charging are approved installers under major national procurement frameworks:



Central Southern Regional Framework

- This framework has been developed by Hampshire County Council (HCC) to enable **public sector organisations** to procure EVCPs.
- More than 50 public bodies have accessed the framework so far.
- The intention of the framework is to create a reliable, coherent and accessible charging network - “a solution which works and is accessible and compatible for all users (Open protocol).”



The Framework includes the following opportunities for any public sector organisations or Trust in Berkshire, Devon, Dorset, Hampshire, Isle of Wight, Oxfordshire, Surrey, West Sussex and Wiltshire to understand, develop and deliver their requirements for EV charging: Feasibility, Installation and Deployment, Adoption of Existing Charge Points, and Charge Point Service & Management.

We're working with ...

- Over 50 public authorities, including
 - Surrey Police,
 - Sussex Police
 - Hampshire Hospitals NHS Foundation Trust
 - Surrey and Borders NHS Foundation Trust

 - Southampton City Council
 - Reading Borough Council
 - Basingstoke and Deane Borough Council
 - Test Valley Council
 - Chichester District Council
 - Dorset County Council

 - Southampton University
 - Southampton Solent University



- Good Electric Vehicle (EV) charging practice is the provision of the right charger, with the right power, in the right place, with the right payment options, controlled by the right system
- So we work closely with our clients to understand their needs, and then give them:
 - The right charger
 - With the right power
 - In the right location
 - With the right payment options
 - Controlled by the right system

Authority to provide list of available sites to be considered

Carry out desk top scope to identify viable sites

Joju feasibility study to assess suitability of site e.g. demand, electrical supply etc.

Agree funding terms

Joju install EVCP charge points and begin collecting charging data

Ongoing analysis of occupancy to identify further requirements

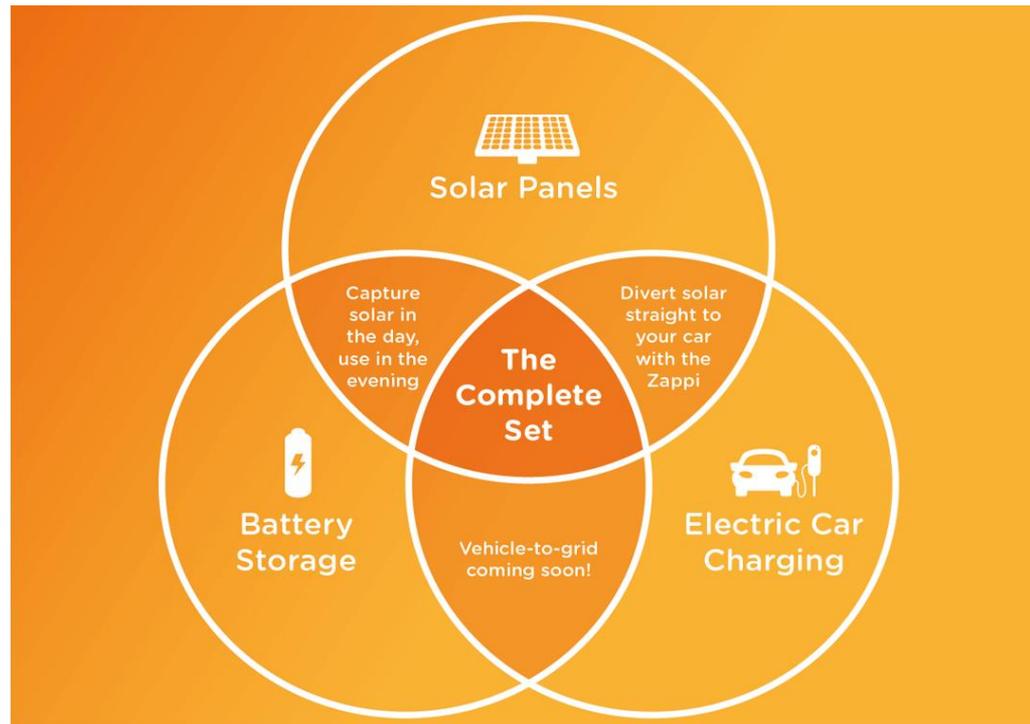
Joju conduct ongoing analysis of EVCP data including utilisation and average duration of charge

Either add more EVCPs to that location due to high utilisation of original point

Or move EVCP to another location where better utilisation is anticipated

- We can offer a fully-funded charge point scheme
- So you can install your charge point requirements at zero up-front cost
- Full and part-funding options are available:
 1. Full funding – funder owns the charge point, takes the revenue and transfers ownership of the charge point to the Public Authority after 15 years. The funder is also obliged to pay the Council 10% of the cost of the electricity supplied to the CP
 2. Partial funding – with or without OLEV grant funding – funder comes to an ownership arrangement with the Public Authority to fund the CPs

One Step Beyond ...



- Joju Charging is part of Joju Solar – one of the UK's leading renewable energy companies
- Allows integration of green transport programmes, with wider estates initiatives for holistic decarbonisation

One Step Beyond ...



“But we were very aware that [installing charge points] would increase our electricity consumption, and nationally there’d be a problem generating the electricity. So we have looked to manage these knock-on effects ourselves by installing an equivalent amount of solar PV at the same time to offset this.”

Steve Brown,
Rotherham
Metropolitan Borough
Council

Email us info@joju.co.uk

Or find us at jojusolar.co.uk/joju-charging/

Thank you for your attention

