



Customer	Scottish and Southern Energy Networks (SSEN)
Size of project	£680k (\$880k)
Start date	April 2016
End date	September 2018

The Smart EV project was delivered by EA Technology on behalf of Scottish and Southern Energy Networks. Smart EV continued from the findings of the pioneering project “My Electric Avenue”.

My Electric Avenue found that a third of low voltage networks will need upgrading at 40 – 70%. Electric Vehicle (EV) penetration and forecasts indicate this will be around 2030 which is an unprecedented scale of reinforcement. As part of My Electric Avenue, a new software developed by EA Technology which controls and monitors EV charging was trialed and deemed a successful method of avoiding costly and disruptive network reinforcement.

The Smart EV project, specifically the Consultation on the Interim Solution for Domestic Managed EV Charging sought stakeholder views on both the interim solution, and a possible longer-term solution for Domestic Managed EV Charging.

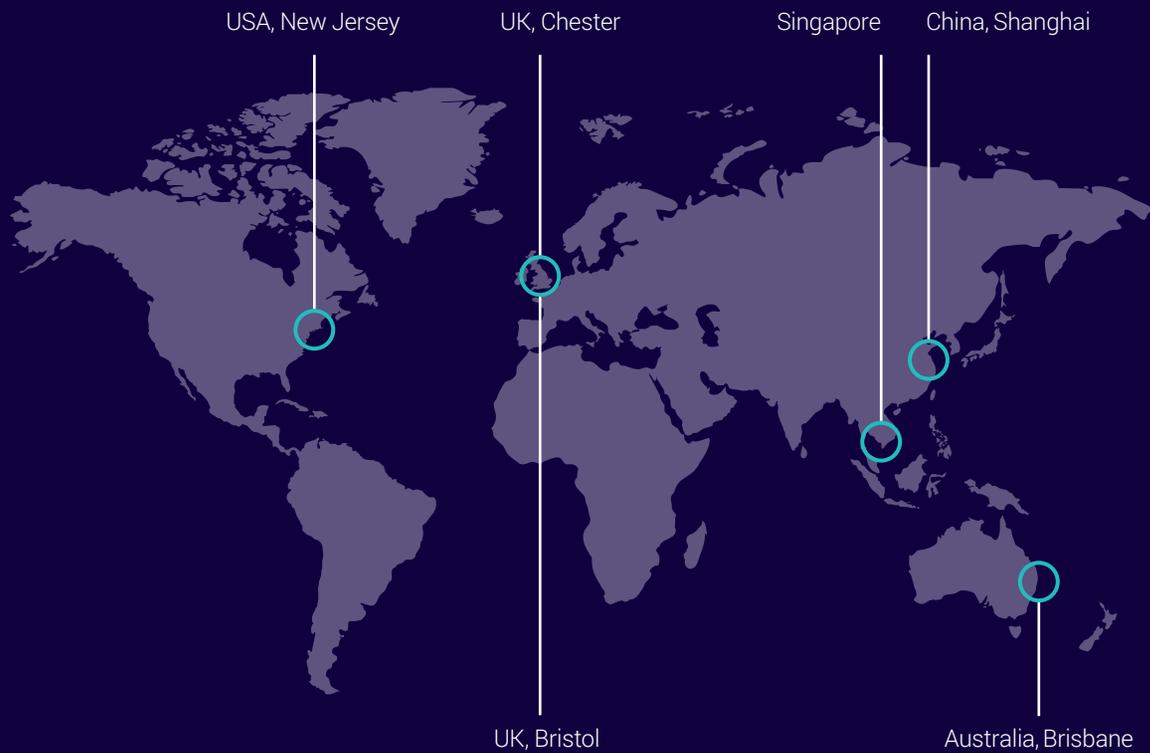
Consultations were led by EA Technology to engage with a wide range of stakeholders such as charging point manufacturers, installers, energy suppliers, network operators, EV manufacturers, and policy makers to present the engineering options and seek opinions as to the most viable for all concerned.

Smart EV sought views on what the managed charging technology options could look like to facilitate EV penetration in our local electricity networks. This was of interest particularly in zones where the network had faulted or where network analysis showed that there was a high risk of fault due to the volume of EVs charging in a local area. Reassuringly, studies completed as part of the Smart EV Project have shown that managed charging is not likely to have an impact on an EV driver’s ability to drive to where they need to go the next day. As a secondary objective, the Consultation also sought views on a longer-term option using smart meters to control EV charging rates.

EA Technology was responsible for summarizing the findings of Smart EV, advising SSEN on an interim solution for managed EV charging and providing indication as to whether a longer-term solution should be pursued for the management of EVs through the utilization of smart meter infrastructure. This led to the standardization of SSEN’s policy on smart charging for the future and the findings of Smart EV can be adopted by all UK Distribution.

Global Footprint

At EA Technology we specialize in asset management solutions for owners and operators of power network assets.



Founded in 1966 we have over 50 years' experience in the industry and 6 regional offices around the world to support our global customer base.

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimize cost.

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