



Customer	Northern Powergrid (NPG)
Size of project	£1.1 m (\$1.4m)
Start date	February 2018
End date	April 2020

In this project, EA Technology is managing the coordination of the regulator funded project to deliver AutoDesign, on behalf of Northern Power Grid (NPG). AutoDesign is an online self-serve tool providing an indication of Low Voltage (LV) connection capability and budget quotations. There is an increasing volume of requests to connect to the LV network, particularly to facilitate Electric Vehicle (EV) charge sites or new housing developments. AutoDesign will cope with the increased demand by providing LV budget quotations within minutes, minimizing the need for engineer intervention and accelerating the quotation process. This will allow customers to identify where electrical connections are possible on the network and guide them to the most cost-effective connection option.

AutoDesign is an industry-leading tool that will significantly impact the connection process, creating a more complex and dynamic connections environment.

The project will be delivered in four phases:

- Stage 1: Feasibility Studies and Planning. Assessing data quality issues and identifying key design rules and feasibility.

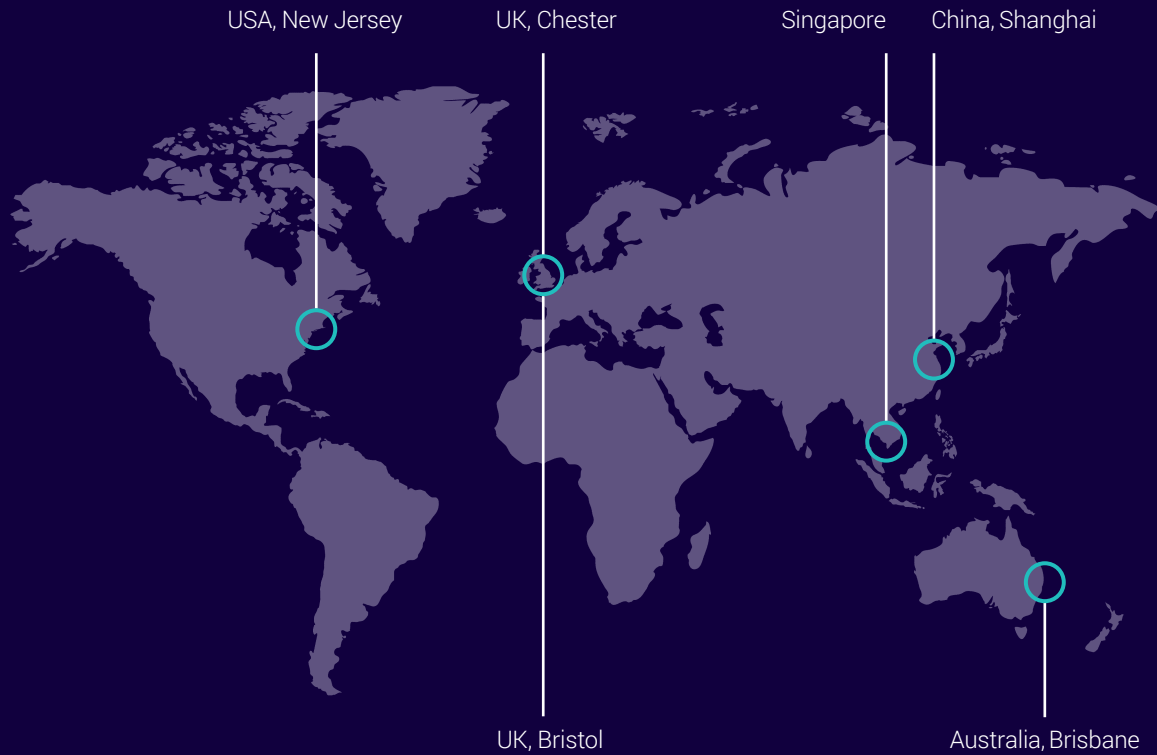
- Stage 2: Algorithms. Identification of appropriate algorithms to allow LV network assessment.
- Stage 3: Phased Pilot. Implementation of the tool, to internal users.
- Stage 4: Customer Tool. Development of a more customer-friendly online tool for public deployment.

EA Technology will lead software development intended to be utilized via web browsers and also deploy consultancy resources to design, specify and manage the software delivery process. EA Technology will then provide on-going support to ensure the AutoDesign tool remains functional and up-to-date.

AutoDesign will enforce a consistent connections approach by presenting customers with visibility of existing assets in the locality and with capacity information, allowing them to make informed decisions on the most economic locations to connect. AutoDesign will transform the connections process and improve customer experience.

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.



Safer, Stronger, Smarter Networks

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