



Ricardo
Energy & Environment

Connections advice

For developers wishing to connect new demand or generation to the transmission or distribution networks, the world of electricity connections can often seem confusing and complex – particularly for market players who are not industry specialists. Even to experienced developers, it can be daunting to navigate through the regulations, various codes and standards, make decisions about contestable and non-contestable works, and conduct discussions around the cost of connection.

Ricardo Energy & Environment's highly experienced in-house experts provide a quick, flexible response to customers' strategic requirements. If needed, we have a range of other experts who we can call on to help with complex commercial and contractual problems.

Our service and solutions

We provide strategic advice on technical, contractual and pricing issues relating to a wide range of electrical connections.

We have extensive experience of working with industry associations and regulators, which

further informs our understanding of some of the contentious issues that developers, land agents and their customers face.

We can also provide advice on issues relating to private networks and Independent Distribution Network Operators (IDNOs), and assist with matters such as network pricing calculations and asset valuation.

Our assistance can start at the very beginning of the connection process when a client is evaluating the potential of a possible site for purchase or development. We go on to provide advice about the structuring and negotiation of connection agreements, and compliance with technical standards, and help to resolve disputes and regulatory determinations at all stages of the connection delivery process.

We understand the need to respond quickly to enquiries (such as when a developer wishes to make a decision about site purchase or sale), and can deploy experienced people quickly and flexibly to address problems as they arise.



Our experience

We have successfully managed a very wide range of issues in the area of electricity connections including:

- Providing advice to developers regarding Active Network Management technologies that may be considered or included in connection offers.
 - Advising wind farm developers with due process and during negotiations with utilities.
 - Assisting energy from waste and biomass developers when negotiating connections with the network operators.
 - Carrying out technical studies for connecting large-scale solar PV to the distribution network.
 - Conducting asset valuation for private networks.
 - Assisting IDNOs with the design of network pricing strategies.
- Advising clients on commercial issues relating to their connection agreements.
 - Advising data centre developers on power supply options and reliability.
 - Advising commercial property clients on power supply topologies, costs and options.
 - Advising on the technical standards for connection of embedded generation.
 - Carrying out third-party review of the pricing of connections and diversions.

Our expertise in this area is focused on the UK market, but we can provide related advice in other areas of the world. We also work with regulators and utilities around the globe to help them with matters of policy and individual regulatory determinations.



For more information on our connections advice services, please contact one of our experts at enquiry-ee@ricardo.com or +44 (0) 1235 753000