



Our energies for a Better Life

## Connections and Networks

Bouygues Energies & Services plays a leading role by offering innovative solutions and services for a safe, connected and sustainable network. We participate in creating solutions in the fields of energy, transport and telecoms that is accessible, modern and sustainable.

Bouygues Energies & Services was the first contractor in the UK to operate on the distribution network operators (DNO) network as an independent connections provider for un-metered supply works. We were also awarded the Lloyds National Electricity Registration Scheme accreditation, which allows us to offer street lighting electrical mains jointing, transfers, disconnections and reconnections on the DNO and Private Network Operator networks nationally.

Our client base includes blue chip distribution network operators and other infrastructure owners throughout the UK. We are recognised as providing services aligned to our clients' commercial requirements through attentive and collaborative relationships.

### Our services include:

#### [Electrical connections](#) [1]

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We operate as an Independent Connections Provider (ICP) and offer a wide range of low and high voltage electrical infrastructure solutions ranging from cable laying, installation and jointing, through to high voltage substation switchgear design and installation.

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We can project-manage electrical infrastructure upgrades and provide control through our Senior Authorised Engineers and associated permit systems.

Services include:

- Excavation footway and carriageway live and dead.

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- Cable installation.

- Cable jointing live and dead (Cable types Waveform, Consac, PILC, XLPE, Oil and Gas).

- Backfill and reinstatement footway and carriageway.

- Primary and secondary substation construction.

- Design cable networks and substations.

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- Project management and senior engineers.

- Overhead lines live and dead.

## [Digital networks](#) **[1]**

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We provide digital infrastructure services that allow commercial and domestic properties to receive superfast broadband services. We ensure we work with our customers to deliver added value wherever possible, such as:

- Offering a total solution to cover all aspects of rural broadband including open access, ISP engagements

and last mile technologies.

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- Micro trenching as an alternative to the traditional method of excavation.

- Selection of the most effective solution (ADSL, FTTH, wireless and satellite).

## [Transmission and distribution](#) **[1]**

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In conjunction with key partners we offer full turnkey solutions for both underground and overhead lines. Bouygues Energies & Services has successfully completed a number of projects worldwide at voltages up to 275kV for underground and 500kV for overhead systems.

## [Electrical and instrumentation](#) **[1]**

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We provide electrical and instrumentation services to utility infrastructure operators to ensure their valuable assets are installed and maintained to the highest standards. We offer a highly skilled and professional workforce in key niche activities that are valued by our customers, including National Grid & Scotia Gas Networks.

## [Renewables](#) **[1]**

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We work in partnership with developers to manage and deliver procurement, installation, connection and commissioning of renewable energy infrastructure including solar and wind farms.

Areas of expertise include:

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- Principal contractor duties under CDM.

- Cable installation and related civil works.

- HV connections.

- Procurement management.