

**Electricity  
Transmission**

**nationalgrid**

Engineering and Consultancy Solutions

# High Voltage Services



## Who for

National Grid's High Voltage (HV) maintenance and support services enable you to extend the performance of your assets and mitigate any future risks. We provide a wide range of High Voltage engineering services for Power Stations, Interconnectors, Transmission Networks and Distribution Network Operators.

## Why choose National Grid

- **Safety is our top priority:** All our experts are trained and authorised to carry out High Voltage maintenance work under National Grid Safety Rules.
- **Engineering excellence:** Our team has a unique combination of experience and expertise which will enable work to be carried out to world-class safety standards.
- **Tailor made approach** to suit your site specifications. Our experts will work with you to define the work scope and deliver work to agreed timescales.
- **Relationship with Electricity System Operator:** We work with the Electricity System Operator when planning outage periods and reporting, which enables us to deliver the work to agreed timescales.

## Our solution

Our workplace service is tailored for your business needs:

- **First line support is provided** either remotely or by deployment of a standby person to your site. The service includes:
  - remote fault or incident evaluation by telephone.
  - where necessary, attendance at the relevant site and provision of site-based fault or incident evaluation on the plant and equipment.
  - provision of a summary report on any work carried out.
- **Second line support:** As required, is a follow-on to the first line support, working to rectify faults or incidents.
- **Site routine inspections:** We offer routine, non-invasive, non-outage inspections of plant, equipment and site infrastructure. In addition, we can provide you with a detailed report on the condition of your High Voltage assets. These inspections ensure that your assets are being regularly monitored in line with our own best practice procedures or to your own requirements. Any defects found are either rectified at the time, if practical to do so, or included in planned work programmes.
- **Outage maintenance:** Outage maintenance work on High Voltage plant and equipment includes planning, execution and reporting of results. It is carried out during notified outage periods. This is an area where our team has extensive technical competence and expertise, particularly in outage planning liaison with the Electricity System Operator and in resource delivery. Outage maintenance is dependent upon you giving a pre-determined minimum notice period for agreed work windows and a defined work scope. We will then allocate resources for delivery of the work in agreed timescales.
- **Safety switching:** We provide appropriately authorised and trained National Grid Electricity Transmission personnel to provide an ad-hoc and pre-planned switching service on plant and equipment under National Grid Safety Rules.
- **Reactive maintenance:** In addition to any pre-determined outage maintenance work, we are able to quote for, plan and deliver reactive maintenance work on your assets throughout the year.

### Engineering and Consultancy Solutions

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