**Ipsum Power (Private Networks) Ltd – Test Engineer, Aldershot**

## **The Company**

Our vision is to be the leading customer service focused provider of specialist utility and infrastructure solutions operating on both public and private networks. Providing great customer service is at the heart of what we do, and our commitment is to deliver this safely and innovatively through our highly skilled teams – we call this the Ipsum Way.

We’re always looking for people who are passionate about delivering outstanding customer service and who take pride in delivering essential services 24/7/365 that really make a difference to local people and communities.

We are committed to supporting and developing our people to achieve their full potential. If you join us, as well as learning on the job, we offer structured learning in the form of apprenticeship programmes and sponsoring relevant professional qualifications. If your qualification gives you membership of an accredited professional body then we will reimburse your annual membership fee. Investing in our people and enhancing our expertise and flexibility enables us to deliver the highest standard of service to our customers.

We really value our people and so we like to look after them. In addition to an attractive salary, if you work for us, you’ll enjoy a range of employee benefits which you can explore more about by visiting our website [www.ipsumutilities.com](http://www.ipsumutilities.com).

## **The Role**

## **Job Purpose**

## •You will work as part of a highly skilled Engineering division supporting all aspects of HV services to our clients and customers. As part of our team, you will get to both support your peers in the delivery of HV engineering & Maintenance.

## •Support the south regional Engineering team with Test and commissioning works that will be required at various sites Ipsum Power (Private Networks) Ltd work on.

## **Principal Accountabilities**

* Good understanding of power and protection principles.
* Thorough understanding of wiring diagrams and technical drawings.
* Ability to compile test documents and write test procedures and engineering reports.
* Good knowledge of transformer, generator and circuit breaker design, construction, and operation.
* General testing of substation apparatus; Transformers, high/low voltage circuit breakers and protective devices.
* Fault finding and investigation work on a variety of high/low voltage equipment.
* Conduct witnessed testing for DNO/Client representative’s
* Implement grading studies/alterations to protection settings.
* Test and commissioning of protection relays and apparatus such as:
* Overcurrent / Earth Fault Relays
* Self-powered protective devices and TLF’s
* Zone/Unit/Differential/Solkor/Buszone/Duobias schemes
* G59/G99 schemes
* Transformer protection (Temperature/Pressure Relief/Buchholz)
* Generator Protection and changeover systems
* Distribution Transformers
* Current Transformers
* Voltage Transformers
* Neutral Earthing Resistors
* Oil/Gas/Vacuum/Air Circuit breakers and Ring Main Units
* Busbars
* High/Low Voltage cables.
* Battery tripping units.

**Senior Authorised Person Accountabilities: (training can be provided)**

* To comply with the companies HV safety rules & procedures at all times
* Undertake the necessary SAP approved training together with any refreshers.
* Be appointed by Authorising Engineer and assessed as competent to act as SAP.
* Produce accurate switching programmes.
* Issue of safety related documents to persons qualified to receive them.
* Maintain a log of SAP activity for audit purposes.
* Carry out functional / Operational switching of HV distribution systems within your appointment criteria.
* Carry out maintenance & testing of HV switchgear within your appointment criteria.
* Participate in company out of hours on call system as required.

## **The Person**

## **Qualifications**

* BTEC Level 3 Electrical Engineering or Equivalent
* HNC Electrical Engineer or Equivalent desirable but not essential.
* AP15 or Equivalent desirable but not essential.

## **Knowledge & Experience**

* Previous High Voltage Testing and Commissioning experience
* Previous Switching experience 11kV or 33kV desirable but not essential as training can be provided.
* Diagnostics experience
* Fault Finding experience

## **Skills & Personal Qualities**

* Be able to prioritise workload
* Ensure work is to a high standard when working on client sites.
* Work well as part of a team
* Must be eligible for SC /CTC clearance and DBS Check.

Full UK Driving Licence *Ipsum is an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, transgender status, religion or belief, marital status, or pregnancy and maternity.*