

IPEC Limited

Data Analysis Engineer



Job Title:	Data Analysis Engineer
Job Type:	Full Time
Locations:	Manchester
Team:	Services & Support Team, Reporting to Head of Department
Salary:	Starting from £30,000 per annum depending on experience

Company Information

www.ipec.co.uk

IPEC is a world leader in on-line Partial Discharge testing in the power industry.

Partial discharge (PD) is an electrical phenomenon found in ageing or damaged high voltage insulation. As industrial and distribution power networks approach the end of their lifetime, failing components can be identified by the presence of PD.

IPEC's research and development work has allowed the detection and analysis of PD to be economically implemented on a large scale, improving network reliability.

IPEC are currently the world leaders in On-line Partial discharge monitoring of MV and HV plants. Its products and services are at the forefront of developments in the field and provide real solutions to the power industry.

A flagship product is the Advanced Substation Monitor (ASM) - designed for permanent installation in substations, it is currently deployed on over 3,500 HV assets around the world; by both utilities and industrial clients.

Clients include: UK Power Networks, LG Group, Saudi Electric Company and Hong Kong Electric.

Future Growth

IPEC has enjoyed sustained business growth, winning several prestigious innovation awards for new and original products.

As further IPEC products emerge from their research and development phase into an expanding market place, the company is on target to achieve a substantial growth over the next 5 years.

Working Culture

IPEC is a company founded on integrity, cooperation and teamwork. It is a relaxed and open working environment allowing for the freedom of expression and creativity which is so important at the cutting edge of technology. It is a forward-looking company dedicated to progressing scientific discovery and technological enterprise.



The Role

IPEC are looking for an engineer to carry out data analysis and technical report writing. This will include analysis and reporting of online customer data and site investigation data. The successful candidate will be based at our main office in Manchester but also provide occasional support to field investigation work, both in the UK and overseas. The field investigation work involves the use of specialist equipment to detect and locate sources of discharge activity in high voltage assets.

This is an exciting and varied role with potential for travel and professional development in an emerging technology area. The successful candidate will liaise directly with domestic and international clients, providing support and having autonomy to deliver reports and field investigation outcomes as well as working as part of a wider investigation team.

Key Areas of Responsibility

More specifically the role will involve:

Site work

- *Partial Discharge Investigation* – Using specialist equipment to investigate and locate sources of PD in HV assets.
- *Partial Discharge Surveying* - Using specialist test equipment to test HV assets substations, power stations, solar farms etc. for the presence of partial discharge (PD).

Client facing service & support

- Analysis of field test results and writing technical reports for clients.
- Routine analysis and reporting of online customer PD data.
- Liaising directly with customers regarding test procedures and planning.
- Progressing IPEC Partial Discharge understanding and theory.
- Working with IPEC Research and Development team supporting new technology testing and trials.

Working relationships

- The Data Analysis Engineer is part of the Services & Support Team and reports directly to the Head of Contracts.
- Key internal working relationships will be with colleagues in the Services & Support Team, The Managing Director and the Research & Development Team.
- Key external relationships will be with IPECs clients in the South of England, but also overseas clients which include the major Distribution Network Operators and large industrial organisations.

The Right Person

This post would suit a resourceful, ambitious and committed engineer who is motivated by challenge and keen to develop their expertise in this highly specialised field of power engineering.

The successful candidate will show good analytical and diagnostic skills, be confident in communicating test results directly with the client and be able to produce professional test reports.

The post will be adapted to suit the right candidate - ability, aptitude and attitude are extremely important. As a guide, we would expect a suitable candidate to:

- Be a qualified engineer ideally educated to Degree level or higher.
- Have excellent troubleshooting, problem-solving and analytical skills.
- Be able to self-manage workload and to work remotely for periods of time.
- Be methodical, reliable and trustworthy.
- Be flexible and responsive in working patterns and hours, comfortable working independently.
- Be able to quickly assimilate into a team both internally within the organisation and in a support role within client's teams.
- Be a competent written and verbal communicator, willing and able to engage and communicate with a wide range of people externally and internally.
- Have a strong sense of client relationships, customer services and support.
- Demonstrate an ability to learn and an interest in specialising in substation fieldwork and PD monitoring.
- Be willing to travel.
- Demonstrate an appreciation of the activities, purpose and ethos of IPEC.

Terms

The salary for this role will be dependent on experience.

Benefits include:

- Contribution match Company Pension Plan
- Annual profit share bonus scheme
- Share options
- Flexible working
- Professional body membership and CPD
- Cycle to work scheme
- Company mobile phone
- 25 days annual leave and bank holidays
- Annual leave buy/sell scheme



Applications

Interested candidates should apply in writing by Monday 19th November to the HR & Business Coordinator, Keren Sayers at jobs@ipec.co.uk.

Applications should include:

- A comprehensive and up-to-date CV.
- A covering email summarising your interest in the post and demonstrating your ability to match the criteria outlined.
- Details of your current salary and notice period.
- Contact numbers for referees, which will be used with discretion.

Selection Process: The applicants with the most relevant experience will be invited for an initial interview the week commencing 19th November.

Time frame: It is expected that the successful candidate will be in post before the end of December 2018.