

# Electrical Application Engineer – Arcola Energy

September 2014



## Application Pack for the post of Electrical Application Engineer

Thank you for requesting information about this role at Arcola Energy.

In this pack, you will find the job description and person specification for this post together with an application form and Equal Opportunities monitoring form.

To apply please complete the application form fully and email it to [jobs@arcolaenergy.com](mailto:jobs@arcolaenergy.com) (placing ELECTRICAL APPLICATION ENGINEER in the subject line).

Please note that only applications submitted on the Arcola Application Form can be considered.

Please feel free to save and send the Equal Opportunities monitoring form separately from your application form.

Please note that we can only accept applications from people who have a work permit for the UK.

Unfortunately, as we have limited resources, we are only able to respond to shortlisted applicants so if you have not heard from us by 27 October, your application has been unsuccessful.

- The deadline for applications is 22 October 2014
- Interviews: from 30 October 2014

## About Arcola Energy

Arcola Energy is a rapidly growing fuel cell systems company - designing, integrating and deploying a range of low-carbon energy solutions. Arcola Energy is active in a wide range of fuel cell application markets including education, portable power, transport and stationary. We are the Worldwide Technical and Automotive Centre for Horizon, the world's largest volume manufacturer of PEM fuel cells.

We carry out a wide range of activities, from designing and developing fuel cell systems, sales of our own products and educational activities at schools, public events and universities. Alongside our sister company, Arcola Theatre, we have a strong environmental ethos and are driven by the desire to make the world a better place.

We need an experienced, enthusiastic Electrical Engineer to assist in the development of new products, and to provide engineering support over a broad range of activities.

For more information about our products, services and current projects, please check our website: [www.arcolaenergy.com](http://www.arcolaenergy.com)

## Job Description

### Purpose

To form a part of Arcola Energy's engineering team, providing input throughout the process of developing and bringing new fuel cell based products to market, as well as supporting new and existing customers.

### Outline

You will be joining a rapidly growing company, working at a fast pace across several exciting projects. The ability to manage your time is essential, as is a can-do attitude and willingness to engage in new challenges.

### Organisation

Reporting to: Lead Engineer

### Principal accountabilities and tasks include:

#### System Design and Specification

- High level design and specification of fuel cell systems to respond to customer enquiries
- Development of fuel cell systems for R&D projects
- Component selection and validation
- Use computational modelling to inform design decisions

#### Customer Relations and Technical Sales

- Develop customer relationships in order to generate new business
- Research new markets and build customer database
- Contact and qualify new sales leads
- Technical sales discussions with potential customers to establish suitable products

#### Assembly and testing of systems

- Assist with assembly of bespoke systems
- Conduct bench testing of systems in-house
- Ensure required quality standards are met.

#### Quality, Systems and Compliance

- Work within Arcola's APQP framework.
- FMEA and DFMEA
- Compile technical files for products, conducting in house testing and commissioning external testing (eg EMC) where appropriate.
- Working towards compliance with appropriate standards.

#### Engineering Project Support

- Remote support of Arcola Energy and Horizon Fuel Cell products and systems (phone, email, Skype)
- On-site support including deployment and service

#### General

- Be knowledgeable about the full range of Arcola Energy work
- Represent Arcola Energy in a professional manner
- Work with Arcola Energy staff to deliver the best possible outcomes for the organisation
- Assist as necessary in other short-term technical issues that may arise (eg I.T. within office).
- Take on projects as requested by the Lead Engineer and other senior managers

## Person Specification

### Essential:

- You have a degree or higher in Electrical or a related Engineering discipline.
- You have at least 3 years experience in industry.
- You have practical experience in building and testing electrical systems.
- You have excellent written and oral communication skills.
- You have a high level of interpersonal skills and can work effectively with others.
- You are an efficient, organised person – not afraid to ask for a steer in a situation, but also able to suggest what you think should be done.

### Preferable:

- You have experience using CRM software (eg Salesforce)
- You have some understanding of hydrogen fuel systems
- You have experience of computational modelling (eg Simulink).
- You have an interest in renewable energy, sustainability and making the world a better place.

## Terms and Conditions

<b>Salary:</b>	£26-35,000 dependent on experience
<b>Hours:</b>	10am - 6pm Monday to Friday, occasional evening and weekend working (TOIL system in operation)
<b>Holidays:</b>	28 days annual leave, including public holidays
<b>Probation period:</b>	3 months
<b>Access:</b>	Arcola Energy is wheelchair accessible throughout
<b>Benefits:</b>	Free tickets to Arcola Theatre shows (subject to availability) Arcola staff discount on all food and drink