

# Electronics Design Engineer



## Job Description

Location: 630 Wharfedale Road, Winnersh Triangle, Wokingham, RG41 5TP

## About tepeo

We are a rapidly growing CleanTech business looking to disrupt the heating industry with a new kind of low carbon boiler technology. Decarbonisation of domestic heating is the single biggest challenge facing the UK's goal to reach Net Zero. Heating represents over 30% of all carbon emissions in the UK.

We have invented a new type of low carbon heating technology which is becoming a game changer in the drive to decarbonise domestic heating. It's called a ZEB<sup>®</sup> (Zero Emission Boiler) and is a plug 'n' play replacement for a gas or oil boiler. It uses electricity to 'charge' ultra-high density thermal storage when energy prices and the carbon intensity of the grid are low. Our IoT technology and cloud-based algorithms automatically optimise the ZEB to minimise cost & carbon. The ZEB operates like a normal boiler for our customers, is easy to install and massively reduces the carbon emissions from heating.

We've been recognised as one of the fastest growing and most exciting CleanTech scale-ups in the UK ([technation.io/programmes/net-zero/](https://technation.io/programmes/net-zero/)) and were recently featured on the [Everything Electric Show](#). There's more on our website at [tepeo.com](https://tepeo.com).

## About the role

We are seeking an Electronics Design Engineer to join our team. The ideal candidate will possess strong skills in circuit design, PCB layout, and hardware testing, with a focus on delivering high-quality electronic systems. In this role, you will be responsible for designing, developing, and improving electronic systems for both new and existing products.

We want people who are passionate about tackling climate change. We firmly believe in the existential threat that climate change poses to us all. This is why we're changing the way we heat our homes.

## The role

- **Full-time employee** to start at the earliest available date
- **Location:** 630 Wharfedale Road, Winnersh Triangle, Wokingham, RG41 5TP
- Circuit design and PCB layout, including digital and mixed-signal systems.
- Board bring-up, verification, and testing of hardware in the lab to ensure reliability and performance.
- Continuous improvement of existing electronic subassemblies, identifying opportunities for optimization and improvements.
- Design of electronic systems for new products, from concept to production.
- Produce and manage design documentation, schematics, PCB layouts, BOMs, and fabrication outputs for manufacturing processes.

## About you

- 5 years experience in a similar position
- Keen interest in low carbon technology and a desire to be part of the Net Zero transition
- Strong experience in Altium Designer (schematics and layout)
- Proficiency in mixed-signal circuit design, schematic capture, PCB layout, and simulation.
- Ability to read and interpret datasheets and schematics, understanding their technical implications.
- Experience debugging data streams using oscilloscopes, logic analyzers, or other pertinent instruments.
- Familiarity with commonly used embedded serial protocols such as RS485, UART, I2C and SPI
- Experience in design for regulatory compliance, ensuring products meet industry standards and requirements.
- An understanding of power supply, power management, and switch-mode power systems.

## Good to have:

- Strong understanding of C language and considerations specific to embedded systems.
- Practical design and development experience in an embedded C/C++ RTOS/bare-metal environment.
- Good understanding of memory management and efficient coding techniques.
- Proficiency in Python and embedded C programming.
- Disciplined approach to software version control.

## Benefits

£50,000 to £55,000 per year

25 days holiday plus 8 bank holidays and 1 'birthday' holiday

Life insurance

Private Medical Insurance

Optical and Dental Insurance

Income Protection

Employee Assistance Programme

Holiday Purchase Options

Discounted ZEB for your home

Collaborative, flexible, and friendly environment

Be part of a growing technology startup and help shape the future of energy

## Getting in touch

If this sounds like it might be the job for you then drop us a line at [careers@tepeo.com](mailto:careers@tepeo.com)

Please include a copy of your CV and any supporting information you think we should have.

We are considering applications on a rolling basis so do get in touch ASAP.