



CREATING ENERGY WE CAN ALL FEEL GOOD ABOUT

lowcarbonhub.org

Chief Technical Officer Job Description

Title of post:	Chief Technical Officer
FT or % P/T:	Full time permanent contract
Principle location of work:	Low Carbon Hub office, Wood Centre for Innovation, OX3 8SB
Immediate line manager:	Chief Executive
Staff managed:	Business Relationship Manager Cosy Homes Project Manager Project LEO project managers
Salary	£55,000 plus 4% employer's pension contribution
Hours:	36-hour week, family-friendly flexible working with occasional home working
Holiday entitlement:	25 days plus bank holidays

About Low Carbon Hub

The Low Carbon Hub is a social enterprise that's out to prove we can meet our energy needs in a way that's good for people and good for the planet. Our role is to be a catalyst of change: driving innovation and creating an ecosystem that is able to develop and pilot practical, real-world solutions that will become models for other communities throughout the world.

The Low Carbon Hub develops community-owned renewable energy in Oxfordshire and re-invests 100% of our own surplus in our mission to create a zero-carbon energy system we can all feel good about.

The Low Carbon Hub is now embarking upon a new phase of its journey, working with several partners, small and large, including academia, local authorities, central government and commercial businesses, to demonstrate in practice how to make that goal a reality.

We are a small team of committed individuals and are looking for people who want to use their skills to explore and develop new ways of doing things, who are proactive and driven to achieve change and whose motivation is the overall wellbeing of our communities and our planet. You can read more about us on our website:

www.lowcarbonhub.org



Overall purpose of the job

An opportunity has arisen to join The Low Carbon Hub during a period of exceptional growth. We are looking to recruit a Chief Technical Officer to work closely with the CEO and the Business Development Director as part of the Hub's senior management team, at Executive Director level.

The Hub needs to be exceptionally agile and entrepreneurial in devising socially just technical solutions for delivering a zero-carbon energy system at the Grid Edge. You will be responsible for leading on that work, thinking strategically and acting practically as part of the Hub but also its wider network of partners in both our universities, our six local authorities, our business partners and our community shareholders. You will have the autonomy to devise new business models for communities, households and SMEs at the Grid Edge with a particular emphasis on how we can access and use data to the best advantage in achieving our people-centred vision for the new energy system.

We are looking for someone who shares our values and gets our mission; someone who thrives in a fast-paced environment of continuous change. The Low Carbon Hub is a small social enterprise that 'punches above its weight' and we need a CTO who can ensure that community energy has solutions to offer into the new energy world that is emerging.

Key Responsibilities/Objectives:

- Lead on the development of new energy and flexibility trading products and services at the Grid Edge that will facilitate inclusion for all. For the first two years, this will involve leading on these aspects as part the Project LEO consortium that is delivering one of the 3 smart energy demonstrator projects as part of the Government's 'Prospering from the Energy Revolution' programme. This work will include:
 - Completing the prototyping stage of the People's Power Station 2.0 and developing its business model and business plan
 - Leading for the Low Carbon Hub on the Project LEO flexibility service and market trials
 - Contributing for the Hub into major workstreams of Project LEO led by others
- Lead on devising products that can link energy efficiency and energy generation at the Grid Edge:
 - Working with the Energy Solutions Oxfordshire (ESOX) team to develop a full range of products and services for SMEs
 - Working with the Cosy Homes Oxfordshire team to develop a full range of products and services for households
 - Working with the Project LEO Smart and Fair Neighbourhood programme to develop and test new products for Grid Edge products and services at community scale
- Work as a member of the senior management team of the Low Carbon Hub to ensure that the Hub business plan is fit for purpose and delivered to time, cost and quality



- Attend Investment Committee and Board meetings and lead on working with Non-Exec Directors of both to make the right decisions at the right time on new products and services.

The Successful Applicant

Experience

Deployment of scalable models for remote data communications and secure data management

Software design specifications, development and deployment, including web tools and cloud computing

Making use of networks of interconnected energy resources in developing new products and services in smart energy systems

Knowledge

Understanding of and keen interest in the field of distributed energy resources and smart local energy systems

Understanding of open-source software development models would be an advantage

Understanding of data comms hardware operating in different physical networks would be an advantage

Should know about batteries and battery systems, PV tech trends, etc. Should also have understanding of 3-Phase machines and control systems

Person

Committed to achieving a zero-carbon and socially just energy system where social benefits are valued and quantified

Thrives in an SME or start-up environment and can work at speed in a constantly changing environment

Excited by the opportunity to put detailed theoretical and practical experience into real-world practice, working with and understanding the people as well as the wires, switches, bits and bytes

Future focussed, hands-on and self sufficient

An experienced people manager and a team player.