Experienced Mechanical Engineer in grid-scale Energy Storage Innovation: Gravitricity Ltd, Edinburgh

Gravitricity are an innovation company developing a novel mechanical energy storage system. This is crucial technology to decarbonising our energy systems. During 2020 we will design and build a 250 kW demonstrator system as well as progressing the design of our full-scale technology. We have run 2 successful fundraising campaigns in the last 6 months and we now need new dynamic engineers to help us fulfil our ambitious and exciting goals.

Job Brief

We are looking for an experienced Mechanical Engineer to play a key role in our small team. The right person will be very self-driven to work proactively across a number of areas of the technology. This will require a very strong engineering understanding and clear organisational view to take responsibility from early stage conceptual design through to detailed analysis of systems and components. You will have to learn fast and be willing to work in a wide range of company areas, sometimes far outside your core expertise.

It is crucial that the person joining this role is able to contribute to the challenges of designing and implementing our 250 kW demonstrator from day 1. The Requirements below are aimed at enabling that. This additional team member will also extend the capabilities of our team, experience in one or more of the beneficial skills below will enable this.

Requirements

- Mechanical engineering experience in industry (minimum 3 years)
- Very good understanding of core mechanical engineering concepts
- Strong, well-tested detailed design skills
- Experience of working with steel structures to recognised design codes or standards (e.g. Eurocode, DNVGL, etc)
- Capabilities with 3D CAD software (preferably SOLIDWORKS)
- Degree in Mechanical Engineering or equivalent

Beneficial Skills (Please ensure you hold at least one of these)

- Track record in the Energy or Mining sectors and a strong understanding of the factors affecting the development of modern power systems
- Site experience: organising and running sub-contractors, site HSE and commissioning/testing documentation
- CDM planning experience
- In depth MATLAB and Simulink capabilities
- Stress analysis of fabricated structures and FEA experience desirable

Benefits

- Chance to make a significant impact within a small and dynamic company developing a technology vital for the global energy transition.
- Competitive salary dependent on experience
- Modern, flexible company: all staff given option to work 4-day week (pro rata)
- 6% employer pension contribution
- EMI options scheme
Application
We are a small company, actively building a diverse and passionate team, and encourage anybody with enthusiasm and know-how to apply, irrespective of your background.

In order to apply please send a CV and a cover letter, explaining why you would be motivated to work with us to recruitment@gravitricity.com.