Company Description
Kite Power Systems (KPS) is a UK based developer of disruptive, low-cost, wind energy technology whose main shareholders are E.ON and Scottish Enterprise.

The KPS power system has two kites that are flown as high as 1,500 feet (450 m); their tether is attached to a winch system that generates electricity as it spools out. By achieving flight speeds of up to 100 mph (45 m/s) in 20mph (9m/s) winds, the kite's tether tension causes the line to rapidly spool out from a drum, which drives a generator producing electricity.

The company is based in Glasgow with test facilities in the south-west of Scotland.

Job Title
Control and Simulation Engineer – Maternity Leave Cover

Contract
6 months temporary contract, with potential for extension or conversion to permanent.

Location
Glasgow with occasional travel to the test site in south-west Scotland, as well as other travel the business requires.

Salary
A competitive basic salary will be offered, depending on experience.

Start Date
ASAP/Jan 2019

Job Description
Kite Power Systems are recruiting a Control and Simulation Engineer to join the Simulation team. The successful applicant would work closely with the aerodynamics, electrical and systems engineers to develop the simulation environment, control features and algorithms needed for robust autonomous flight. The role would suit someone with experience in engineering, computer science, or robotics and is looking for a rare opportunity to work on a distinctive R&D project with excellent long-term potential.

Role and Responsibilities
· Development of KPS' simulation models
· Development and testing of autopilot control law algorithms
· Producing documentation and engineering reports
· Working closely with a multi-disciplinary team

Required Skills
· Degree in engineering, computer science or robotics (or equivalent experience)
· Experience in digital modelling and simulation in MATLAB/Simulink
· Experience in control law development and data analysis
· Excellent English communication skills – verbal and written
· Ability to quickly integrate into a multidisciplinary team

Desired Skills
· Experience with development on embedded systems e.g. drones or Internet of Things
· Experience with Linux and version control tools

- Experience working in an aerospace environment
- Experience working with DO-178B, or similar processes
- Previous experience working in an industrial environment
- Experience with C++
- Full driving licence

Benefits
25 days annual leave plus bank holidays (pro rata)
Pensions scheme with up to 10% employer contribution

Please apply with your CV and covering email advising notice period to info@kps.energy