# Principal Hardware R&D Engineer
## Edinburgh/Livingston

**GLOBAL OPPORTUNITY:**

The *Internet of Things* (IoT) is disrupting industries on a global scale. It enables a step-change in the way we organise, from work practices and leisure activities through to how industry is run. At the same time, we face many challenges relating to our environment, and it is accepted that we cannot continue using the planet's resources in the way we have been doing since the previous industrial revolution. IoT technologies are widely regarded as key to delivering the improvements needed for environmental protection, for society and for industry.

While progress of the IoT revolution has been impressive, to date it has been unable to address the oceans and the underground environment – the *ExtremeEdge*®. This is because conventional low-cost wireless technology does not penetrate water and ground.

WFS Technologies (www.wfs-tech.com) has developed the building blocks to extend IoT to the ExtremeEdge. Our *Seatooth*® and *TerraTooth*® wireless communications and power management underpin *Subsea Internet of Things* (SIoT®) and *Underground Internet of Things* (UIoT) – architectures that extend wireless IoT networks seamlessly through water and through ground, providing a low-cost alternative to cables, connectors and buoys.

We deliver SIoT and UIoT products and services to the Ocean Industries and Smart Cities markets. We help our customers to improve safety, improve environmental performance, reduce asset integrity management costs, increase productivity and reduce capital costs. Our innovations and designs are secured by a large patent portfolio.

We are seeking experienced, innovative engineers to join our team to support the design, build and delivery of the latest generation of smart wireless devices and solutions.

This is a unique opportunity to join the world leader in a fast-growing market. This key role is based optionally at our Livingston HQ or at a new research centre planned to open in Edinburgh in 2019.

**PRIMARY RESPONSIBILITIES**:

- Provide technical leadership – lead the company's electronics design
- Support design and verification of complex, multi-disciplinary systems
- Bring innovation and creativity to new designs and support products into production

**QUALIFICATIONS:**

- Bachelor's degree in Electronics or related field
- 10+ years of complex electronics design and leading projects for at least 5 years.
- Track record of moving into different technologies and coming up with innovative ideas.
- Technical Skills likely to include elements from;
  o Power FET drive and Switcher circuit design
  o ADC/DAC circuit design
  o Schematic Capture & Layout
  o Model-based design practices (SPICE/Matlab/Simulink)
  o Solid experience in analogue design and EMC design principles

**BENEFITS:**

- Salary up £60K depending on experience
- Company Pension Scheme
- Company Share Options Scheme
- 33 days holidays per year (inclusive of public holidays)

**To apply, please send a CV and covering letter to: jobs@wfs-tech.com detailing which position is relevant to your application in the subject line of the email.**