THE DOWNHOLE VISUAL
ANALYTICS COMPANY

ELECTRONICS DESIGN ENGINEER

Location: **Norwich** *(Some international travel may be required)*

Role and Responsibilities:

- Research, design, develop and test electronic systems for EV's current and future well bore inspection tools
- Working with EV engineers and to define Electronics systems requirements and designs that meet project objectives.
- Electronics design from concept through schematic, PCB layout, test plan to production.
- Supporting and maintaining existing project electronics designs
- Ensuring high quality and effectiveness in Electronics specification and design
- Working with EV development teams to continually define, improve and develop methods and processes
- Carrying out best practice engineering methods
- Ensure compliance with company's HSE policy and actively promote safety within the work environment

Job Specification:

Keywords : Digital, Analogue, Filter design, PSU, High Temperature, VHDL, PADS, Schematic Capture, PCB Layout

Essential:

- Analogue and high-speed digital design
- Active and passive filtering
- Multilayer PCB Layout – analogue and high-speed digital – including BGA
- Precision Soldering
- Comprehensive knowledge of full design life-cycle including specification design, test and documentation
- Structured test implementation
- Excellent proficiency in component level fault finding
- Motivated, quality-focused engineer with excellent team working skills
- Good English communication skills, oral and written.

Highly Desirable:

- VHDL
- Flex-Rigid PCB design
- Switching and Linear PSU design
- Analog Signal Processing design
- High voltage circuit design
- Mentor Graphics PADS Designer and Layout
- High-speed digital PCB layout – i.e. DDR Memory
- High temperature electronics design
- Matlab

Package:

- Competitive salary
- Pension scheme
- Relocation assistance as appropriate