

Company profile

Bustec is a company based in Shannon, Republic of Ireland that designs and produces test and measurement instruments for various applications like engine testing, automotive, wind tunnel data acquisition and control, acoustics, vibration, aircraft component testing, etc. The end-customers include aircraft manufacturers, space agencies, military, as well as clients in power and medical industries. The instruments are high density, multi-channel devices to acquire voltage, strain, pressure, temperature, resistance measurements, as well as analog output, digital I/O and counter/timer instruments. The devices were previously mostly VXIbus based, with host connectivity over USB and PCI express, currently they are LXI standard based over gigabit Ethernet.

What we offer

- B2B
- Salary in line with market standards, according to your skills
- Coffee/water/tea in the modern office
- PC/screens and all IT required equipment
- Trainings
- Remote work possibility (part time)
- Possibility to work in Shannon, Ireland
- Salary paid in PLN or EUR

Senior Hardware Engineer (23+EUR/h B2B)

Responsibilities

- Design electronic hardware and ensure it complies with specifications
- Design of digital subsystems in Test and Measurement Instruments
- Design of analog subsystems in Test and Measurement Instruments
- Design of the printed circuit boards (PCBs)
- Selection and qualification of electronics parts and PCB assemblies
- Prepare all data and files required to manufacture the product (e.g. gerber files, BOM, assembly instructions)
- Technical specification of electronics subsystems
- Preparation and performance of electrical validation tests (e.g. functional, performance, EMC, ESD)
- Mechanical design background

Requirements

- A Master's degree with specialization in electronics
- At least 5+ years of experience in electronics engineering
- Electronic simulation (LTSpice or similar)
- Proficiency in Altium Designer
- Experience with Op Amps, PGAs, InAmps, Analog Filters, ADCs, DACs, Voltage References, Isolation Amps
- Experience with sensor interface design
- Ability to analyze the entire signal chain, from sensor to ADC (error analysis)
- Strength to cope with schedules and deadlines
- Ability to work well in a group as well as to independently work on a project
- Problem solving skills
- Good written and spoken English

Additional Knowledge/Skills, Education, and Experience

- Microcontroller based embedded systems
- Background in digital signal processing
- Experience with Xilinx FPGAs
- Development of VHDL/Verilog for FPGAs including simulation is a BIG asset
- Knowledge of LXI standard
- MATLAB / Octave / LabVIEW
- Basic software skills in C/C++ or Python
- Knowledge of PCI Express interface

Apply: career_pl@bustec.com