



TSC is an employee owned, high technology, small business engaged in providing engineering services to the U.S. Government and Industry. TSC's Systems Development and Production Division provides radar, communications and other electronic products to the missile, radar/sensor system, communications, control systems, data acquisition, and signal processing markets. The company has developed products ranging from chip-level, application-specific, integrated circuits (ASIC) to complete, turnkey radar and communication systems. TSC has established a state-of-the-art hardware capability that is well respected by customers in Government and industry. TSC also provides full spectrum systems engineering support including theoretical analysis, requirements generation, interface control, and test planning/execution/data analysis.

TSC's Systems Development and Production Division in Huntsville, AL is currently looking to hire an Embedded/Analog Engineer with an educational and/or industry focus in the design of embedded software and firmware in support of radars/sensors and military communications systems.

Position Description: Embedded/Analog Engineer

Applicants must have a BS and 0-7 years of experience in industry. Embedded and Analog/Mixed Signal system analysis and/or hardware design and test experience is desired. Candidates must have a theoretical background through coursework or commensurate industry experience in one (or more) of the following areas:

- Sensor Systems/Subsystems Design
- Sensor and communications signal processing and algorithm development
- Data Analysis Scripting language (e.g. Matlab, Python or MathCAD)
- Embedded C/C++ Applications
- Firmware Design for Xilinx or Altera FPGA platforms
- Sensor & Communications Theory & Analysis
- Sensor System/Subsystem Test Equipment
- Analog/Mixed Signal Design

Applicant shall have experience developing white papers and analysis presenting concepts and possible solutions to technical problems.

Common responsibilities will include the following activities:

- Hardware and embedded software design and development for microprocessor/microcontroller applications.
- Processor system design including: segmentation of processing requirements into firmware (VHDL) and software (C) elements, estimation of hardware requirements to support system performance goals, and processor hardware selection.



Technology Service Corporation
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Systems Development and Production Division, 310 Voyager Way, Huntsville, AL 35806 www.tsc.com

- Analog and mixed signal circuit and assembly design and testing.
- Application development in VHDL and embedded logic design for Xilinx or Altera FPGA applications.
- Supporting all phases of detailed system and subsystem hardware development activities, including upfront analysis, prototyping and end item development and evaluation in laboratory and field test environments.
- Hands on lab testing of in house developed electronics hardware.
- Analysis of measured data from laboratory and/or field testing of in-house develop hardware and systems. Comparison of expected performance or truth data to actual measured performance.

Ideal candidate will possess excellent organizational skills, ability to prioritize work and maximize productivity. Candidate will be self-motivated and free-thinking individual capable of technical discussion, complex problem solving and scrutinizing prior assumptions. The candidate will have a personal interest in growing into a role of technical leadership.

Applicants must be U.S. citizens and will be required to obtain a security clearance.

TSC is an Equal Opportunity Employer. Qualified Veterans and Protected Class Candidates are encouraged to apply.

Send resumes to:
Employment-HSV@tsc.com