



FPGA Engineer – Niepołomice

Woodward is an independent designer, manufacturer, and service provider of control solutions for the aerospace and energy markets. Our aerospace systems and components optimize the performance of fixed wing and rotorcraft platforms in commercial, business and military aircraft, ground vehicles and other equipment. Our energy-related systems and components enhance the performance of industrial gas and steam turbines, reciprocating engines, compressors, wind turbines, electrical grids and other energy-related industrial equipment. The company's innovative fluid energy, combustion control, electrical energy, and motion control systems help customers offer cleaner, more reliable and more efficient equipment. Our customers include leading original equipment manufacturers and end users of their products.

DUTIES:

- Analyze customer requirements and derive suitable solutions
- Design and debug software on device and device communication with other components
- Design of FPGA based SW solutions for aerospace controls and drivers
- Support the software architecture designing
- Cooperation with System, HW/SW Development and Platform Engineers within international teams
- Performing design, coding, unit testing, debugging, troubleshooting, software integration
- Verification of VHDL IP Cores and VHDL modules
- Work on test scenarios and testbench stimuli input files
- Develop behavioral models of components
- Work on simulation scripts (Python, Tcl) and implementation of automated simulation runs

JOB QUALIFICATIONS / REQUIREMENTS:

- Must have:
 - 4+ years of software development or software verification experience
 - 2+ years of experience in VHDL and/or Verilog design for different FPGAs
 - 2+ years' experience with hardware debuggers, embedded communication protocols etc.
 - Experience working with Embedded and C programming for CPUs
 - Ability to explain technical issues in English
- Highly welcome to have experience in following areas:
 - Aerospace, Medical or Automotive background with safety critical systems
 - Knowledge of Intel/Altera Cyclone V family, plus to know Xilinx FPGAs
 - Working knowledge of tools and development frameworks:
 - Agile, Scrum
 - DOORS, Jira, Bamboo, Git, Bitbucket
 - C, VHDL, Verilog
 - JSON, REST, Python Django or Flask

Woodward offers competitive pay, a total rewards package, opportunity for advancement, training and development. For more information, visit our website at www.woodward.com.

Qualified candidates may send a resume Krakow.HR@woodward.com.

Woodward Poland Sp. z o.o.

Attention: Marek Uszku

ul. Skarbowska 32, 32-005 Niepołomice

Woodward is an Equal Opportunity Employer and is committed to attracting, developing, and retaining a diverse workforce. Our respect for individual differences improves business results and quality of work life for all of us. Our values allow us to leverage differences and generate innovation that results from an inclusive culture and sustains our success in the global marketplace.