



<b>Job Title:</b>	Senior Hardware FPGA Engineer
<b>Department:</b>	Engineering
<b>Reports to:</b>	Vice President/ Engineering
<b>Location:</b>	Irvine, California
<b>Salary Range:</b>	

**Job Title:**  
Senior Hardware FPGA Engineer

**Projects:**  
Fusion BlackHawk Vision system and some sustaining

**Job Description:**  
FPGA VHDL complex systems programming. This individual will work closely with other hardware and embedded software engineers to develop critical flight vision systems that interface to the avionics cockpit display equipment. The ideal candidate will be well versed in embedded design and have knowledge of embedded firmware FPGA programming, designs, and State machine implementations. Experience in complex vision system real-time video processing a plus. This individual must also be comfortable being a Project Engineer, assuming responsibility (cost, schedule, performance) of the entire LRU (Line Replacement Unit). Must be comfortable working in small teams, be “hands-on” and capable of generating own BoMs.

**Skills/Background:**  
The necessary skills for this job are the following:

- FPGA VHDL programming in complex systems
- Experience in highly complex hardware designs with embedded FPGA’s
- Integration and test experience in complex systems with FPGA’s
- Video imaging process in Real Time FPGA implementations
- Project engineering responsibility
- Knowledge of manufacturing engineering best practices
- Some components sourcing and design-to-cost principles
- Experience with avionics or similar industrial equipment
- Knowledge of networking and Ethernet functions a plus
- Other duties as assigned

Critical Skills:

- Bachelor of Science degree, Electrical Engineering from US accredited university, or eight years of work experience and demonstration of capability
- VHDL FPGA programming and PCB design support a must
- Software/hardware integration experience a plus