ECAD - PCB Designer Downhole Tools

Location        Houston, TX
Salary/Pay Rate Competitive
Employment Type Full Time

JOB DESCRIPTION:

CNPC USA is actively seeking creative, innovative, best-in-class experts to join our growing team. This is a unique opportunity for an experienced PCB Designer to get in on the ground floor of a new enterprise backed by CNPC. The PCB Designer provides conceptual and detailed design layouts of printed wiring assemblies for use in downhole tools and completion systems.

COMPANY PROFILE:

CNPC USA is a subsidiary of China National Petroleum Company, and serves as the North American headquarters. Our goal is to provide innovation and research and development of new technologies for Oil and Gas Exploration and Production.

COMPANY CULTURE:

- Cooperative and innovative work environment
- Fast paced and team oriented
- High value placed on creativity, work ethic, and integrity

WHAT CNPC USA OFFERS YOU:

- A great opportunity to be part of a strong, well established, integrated international energy company
- A chance to work within CNPC’s newest, most innovative organization
- The ability to work with best in class professionals on cutting edge technology
- 100% employer paid benefits for you and your eligible dependents

THE ROLE YOU WILL PLAY:

- Support the Engineering team in the development of new downhole tool technologies
- Collaborate with electronics and mechanical engineers for development of PWA designs
- Provide drawings/documentation for PCB/PWA manufacturing requirements and processes
- Interface with vendors and suppliers for delivery of components and PCB Fabrication
• Schedule and monitor manufacturing of PWA prototypes from Contract Manufacturers (CM)
• Participate in evaluation and selection of ECAD software for Schematic Capture and PCB Design
• Develop and maintain standard component library for Schematic and PWA design database
• Development and maintain PCB/PWA design rules and standards for downhole electronics

DESIRED SKILLS AND EXPERIENCE:

• BS/ Associate/ 2 year degree/ or equivalent experience
• Minimum 5 years of ECAD design experience relevant to PCB/PWA design for downhole tools
• Demonstrated proficiency with Protel 99 SE (Altium Designer 10, or equivalent CAD design software)
• Understanding of PCB inspection and PWA testing procedures and processes
• Familiar with Multi-Layer High Density Mixed Signal PCB design layout
• Understanding of System Level wiring and harness documentation
• Must be eligible to work in the US