

POSITION: Senior Hardware Designer
REPORTS TO: Product Development and Engineering Manager
LOCATION: Ottawa, On

Established in 1982, and now a business unit within Stanley Black & Decker, Inc., Instantel is the global market leader in the design and production of vibration monitoring instrumentation. Our products are used in over 120 countries. Applications include civil engineering, construction, environmental, mining, mining exploration, quarry, underwater, structural health, human annoyance, military and noise.

The Senior Hardware Designer will play a critical part of the Product Development team.

Responsibilities:

- Working within a team of hardware, software and firmware designers, design and develop innovative leading-edge hardware for instrumentation and vibration monitoring products using current and new technologies to enhance our product offering to the industry
- Develop and understand customer needs, and introduce new, creative ideas for product development
- Collaborate with software and firmware designers to integrate hardware development into new and existing systems as well as to drive innovation for product development and enhancements to existing products and solutions
- Assist with the planning, organizing, scheduling, managing and executing of product development activities ensuring milestone targets are met or exceeded.
- Mentor as needed junior hardware designers and review technical work to assist in their development and ensure quality work.
- Assist in the root cause analysis of customer reported issues with delivered products
- Collaborate with Engineering and Manufacturing on New Product Introduction (NPI)

Qualifications:

- A university degree in Electrical Engineering or equivalent
- A minimum of 5 years of experience in designing and developing complex hardware products
- Highly skilled at designing low power battery operated microcontroller based devices
- Adept at designing and developing intuitive, easy to use, extremely user friendly and robust hardware products
- Skilled in both digital and analogue designs
- An in depth understanding of FCC, CE and UL requirements
- An advance and detailed understanding of various communication protocols including serial, USB, TCP/IP Ethernet, wireless including Wi-Fi and Bluetooth
- Highly skilled with advanced mathematics for signal processing
- Highly motivated, extremely creative and demonstrates accountability

- Outstanding judgement and leadership
- Excellent skills with Excel, PowerPoint, Word and Outlook
- Clear and concise written and oral communication skills with an ability to communicate complex and technical ideas in a simple to understand manner
- Excellent presentation skills

Interested candidates should forward their resume including a letter to CanadaCareers@sbdinc.com

«Stanley Black & Decker is an equal opportunity employer»

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