



*NovAtel designs, manufactures and sells high precision OEM Global Navigation Satellite System (GNSS) positioning technology.*

*Developed for efficient and rapid integration, our GNSS products have set the standard in quality and performance for over 20 years. State-of-the-art, lean manufacturing facilities in our North American headquarters produce the industry's most extensive line of OEM receivers, antennas, and subsystems.*

*All of our products are backed by a team of highly skilled customer support and design engineers. NovAtel Inc. is based in Calgary, Canada and is part of the Hexagon Group, Sweden.*

## Job Details

# Failure Analysis / Product Lifecycle Engineer (001102)

Requisition Number: 001102

Job Title: Failure Analysis / Product Lifecycle Engineer

Number of Openings: 1

Job Type (Employment Type): Permanent

Start Date: 2016/12/02

Country: Canada

State/Province: Alberta

City: Calgary

Job Schedule: Full Time

## Position Description

### DESCRIPTION OF TEAM & SUMMARY OF JOB:

As a Failure Analysis/Product Lifecycle Engineer you will have opportunities to support the engineering team on all product issues that come up during the life of the product (both customer and internal issues). Some of the activities will focus on the Failure Analysis, Root Cause Analysis, and Corrective Action initiatives. You will interface with other supporting teams and provide detailed analysis reports when required.

### DESCRIPTION OF RESPONSIBILITIES:

- Coordinate resolution of product lifecycle issues which originated by customers and internal teams.
- Conduct detailed product failure analysis and identify the root cause.
- Involve subject matter experts when required.
- Perform due diligence and be able to make fact based judgments and decisions that support stated root cause analysis. Determine best method of providing / presenting Root Cause to a broad audience (technical and non-technical).
- Record analysis in the problem solving database.
- Provide detailed reports on Failure Analysis findings.
- Analyze customer returns data and manufacturing data to identify opportunities for improvement.

## Position Requirements

### QUALIFICATIONS:

#### Must-Have:

- Degree in Materials Science, Mechanical Engineering, Electrical Engineering, or equivalent
- Minimum of 5 years' experience in Failure Analysis / Root Cause Analysis (8D, A3)
- A concentrated background in manufacturing technologies, process, procedures and materials related to electrical and mechanical assembly.
- Skilled at making analysis with non-destructive test methods and visual inspection techniques

- Knowledge of manufacturing processes, PCB processes, and Quality requirements
- Experienced in driving failure analysis, and recommending corrective actions
- Excellent inter-personal skills, ability to work effectively in a team environment
- Strong computer skills and proficiency in Microsoft Office tools
- Excellent verbal and written communication skills
- Statistical data analysis

**Nice-to-Have:**

- Familiar with laboratory procedures regarding use of Microscopes, real time X-Ray and XRF systems and camera systems. Use of basic laboratory test equipment; Digital multi meters, oscilloscopes.
- Capable of performing basic metallographic sectioning of solder joints, printed circuit boards, flex circuits and components including plastic and metallic structures in accordance with industry standard grinding and polishing techniques.

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