

JOB DESCRIPTION

Job Title:	Optoelectronics Product Design Engineer
Reporting To:	Technology Development Manager
Department:	Engineering
Date:	14/08/2017

Main Purpose:	As member of the Engineering team provides technical design and layout expertise for both customer & internal- released & development products. ensuring successful execution of changes and launching of new products and customer satisfaction. Contribute to the attainment of departmental goals/objectives, establishment of guidelines, documentation, planning/development for the advancement of the department.
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API Technologies Corp. is committed to be a dominant provider of RF, microwave, microelectronics, and security technologies for critical and high reliability applications.

Main Responsibilities:	
Duties:	To define, design & develop Opto electronic products for harsh environment applications
	Define and develop Opto electronics manufacturing processes
	Define and develop Opto electronics testing systems & methods
	Define and develop optical fibre interconnects
	Manufacture of prototype products
	Perform and report verification testing of prototype product
	Transfer products from NPI to Manufacture
Job Objectives:	
	To undertake identified aspects of the design and development of new products
	To actively improve or optimise aspects of design, function or processing of existing key products.

	To support other departments with urgent issues relating to existing designs or testing, and to formulate effective solutions
	To undertake any other duties and responsibilities as required to maintain and/or improve the efficiency, quality and service of the Engineering team
Relationships	<p>External</p> <p>Technical engagement with customers</p> <p>Technical engagement with design partners</p> <p>Occasional technical engagement with suppliers which may require visits to the suppliers place of business</p> <p>Internal</p> <p>Engagement with all departments within API Microelectronics as necessary to carry out the duties outlined above.</p>

Note: This job description summarises the main aspects of the job, but does not cover all the duties that the jobholder may be required to perform.

PERSON SPECIFICATION

Job Title:	Product Design Engineer
Education/ Experience:	<p>It is expected that applicants will be qualified to level 6, or better, of the Framework for Higher Education Qualifications:</p> <ul style="list-style-type: none"> ▪ bachelor’s degrees ▪ proven commercial experience <p>However, applicants will be considered in light of their technical knowledge, experience and demonstrable skills where formal qualifications at level 6 or above are incomplete or absent.</p>
Technical Competencies:	<p>all the following are essential:</p> <ul style="list-style-type: none"> • Strong Electronics & Optoelectronics design engineering background • Experience of Opto electronics design and development • Experience of High Reliability microelectronics design and development • Working knowledge of hybrid layout/Altium or equivalent <p>all the following are desirable:</p> <ul style="list-style-type: none"> • Software simulation knowledge of Zemax, • Familiarity with ERP / MRP systems • Familiarity with Quality Systems.
Characteristics:	<p>To:</p> <ul style="list-style-type: none"> • possess a high degree of self-motivation • be a team worker • Be able work well within a small team. • Have excellent communication skills. • have strong problem solving skills • have a creative approach for generating new ideas • be flexible and adaptable • be methodical in their approach to tasks set • be able question and reason
Additional Information	<p>Working hours will be 0800 to 1630 Monday to Thursday, 0800 to 1330 on Friday. Five weeks Annual Holiday Professional Membership.</p>
Travel Requirements	<p>The role is based within the Engineering Department at Great Yarmouth.</p>