



## JOB DESCRIPTION:



## RESEARCH & DEVELOPMENT FELLOW

**d.light design** is seeking passionate and talented R&D Fellow to contribute to one of the world's leading social enterprises through a 9-12 month fellowship.

As a company that strives for excellence and innovation, **d.light** is committed to providing our fellows with a uniquely invigorating, challenging, and life-changing experience.

The Engineering Fellow will be involved in the early-stage product development process to design renewable energy powered consumer electronics products that significantly improve the quality of life for base of the pyramid families who live without access to electricity in developing countries.

**WORK LOCATION:** Shenzhen, China office

**REPORTING TO:** Director of Product Engineering

### RESPONSIBILITIES:

1. Assist in new product development
2. Build conceptual prototypes and come up with elegant design concepts, optimized for the cost and performance needs of our customers
3. Be involved in the concept brainstorming process and provide technology insights for product designers
4. Help implement product design changes

### REQUIREMENTS:

1. Creative thinker able to evaluate circuit designs and brainstorm solutions to achieve maximum performance
2. BS/MS EE from top engineering university
3. 5 years professional experience with analog and digital circuit design.
4. Ability to work in China / Hong Kong
5. Excellent written and oral communication in English

### DESIRABLES:

1. Experience with LEDs, rechargeable batteries, consumer electronics
2. Experience in developing-world countries (Africa, India, Latin America)
3. New ideas of solar product inventions
4. Ability to communicate in Cantonese or Mandarin.



## How to Apply

Interested applicants should complete the Fellows Program application (available at [www.dlightdesign.com/fellowship\\_program.php](http://www.dlightdesign.com/fellowship_program.php)) and submit their most recent CV/resume. Responses to the following short essay questions should also be attached separately (each response should not exceed 500 words):

1. Describe an engineering product you worked on in which you encountered a non-trivial surprising difficulty that you had not anticipated. Explain how you overcame this difficulty.
2. Imagine you are redesigning the circuit board for the Kiran S10 (see website), except for use on the planet Mercury. Provide a complete circuit diagram of your own design and a rough estimate of the cost of the components. Briefly explain any significant design choices.

Please submit all application materials **no later than November 30, 2010**, to [fellowship@dlightdesign.com](mailto:fellowship@dlightdesign.com) with the subject line: "**Engineering Fellowship (China)**". Qualified applicants will be contacted regarding the interview process within 2-4 weeks of the application deadline.

## About d.light design

**d.light design** is an international consumer products company providing high quality solutions for people without access to reliable electricity. Our mission is to enable households without reliable electricity to attain the same quality of life as those with electricity. We will begin by replacing every kerosene lantern with clean, safe and bright light. By 2020, we aim to have improved the lives of 100 million individuals.

**d.light** is financed by prestigious venture capital firms including Nexus Venture Partners, Draper Fisher Jurvetson, Garage Technology Ventures, the Mahindra Group; with investment from leading social enterprise funds Omidyar Network, Acumen Fund and Gray Matters Capital. We were recently awarded the Ashden Award for Sustainability and named as one of the world's top 100 clean technology enterprises by the CleanTech Group.

To learn more, visit [www.dlightdesign.com](http://www.dlightdesign.com).