



GreenPeak is hiring!

GreenPeak is a leading fabless semiconductor company offering innovative ultra-low power wireless data communication controller chips for consumer electronics and wireless sense and control applications. GreenPeak's award-winning, innovative technology is based on the IEEE 802.15.4 wireless networking standard.

GreenPeak shapes the Smart Home of the future!

GreenPeak continues to strengthen its market position in the IEEE 802.15.4/ZigBee market. Today, GreenPeak is successfully increasing the number of customers and is shipping more than 1 Million chips per week. In recognition of this continued success and growth, GreenPeak won the prestigious Deloitte Fast50 award in 2014.

In line with this continued expansion our Operations Team is recruiting for a

Senior Product Engineer

General

The Operations Team is responsible for the productionisation and mass production of our class leading IEEE 802.15.4 based devices. To support these activities we are seeking to expand our product engineering capability with the appointment of a Senior Product Engineer.

Job Description

The Product Engineer will plan, direct, and lead our new product introduction process for mixed signal (analogue/digital) devices from beta prototypes to production designs in CMOS technology. You will support the characterization and qualification testing of new products under development to guarantee product quality for existing volume manufacturing. You will also plan, direct, and lead failure and yield analysis activities including the identification of root cause of all factors limiting yield and reliability from ESD and HTOL activities. You will also ensure that there are structured corrective action programs in place and take the lead on correlating performance to process parameters.

Key Responsibilities

- ▶ Establishing best-practice methodologies in product engineering to support the further development of mixed signal connectivity devices.
- ▶ The post holder must be comfortable presenting and justifying their recommendations to the management team and build strong relationships with subcontractors communicating the position on product quality.
- ▶ Responsible for existing products as well as new product introductions at both internal and external production sites with focus on:
 - ▶ Product quality, cost and yield, communicating with sub-contractor, quality assurance, product engineering and operations departments as necessary
 - ▶ Supporting new product introductions in a timely and effective manner
 - ▶ Develop enabling technologies to support product and package roadmaps
 - ▶ Liaising with the Test Engineering team to drive test improvements
 - ▶ Interfacing with our foundry partners to understand and debug wafer-fab processing issues
 - ▶ Establishing processes and procedures supporting product engineering activities



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Your Profile

- ▶ Bachelor/Master degree in Electronic Engineering
- ▶ Excellent understanding of statistical process control and analysis techniques including six sigma strategies for quality control
- ▶ Direct hands-on experience with yield management software, e.g. Galaxy Examiner/DATAPower
- ▶ Excellent problem solving skills supported by experience of coordinating controlled experiments to assist in areas like failure and yield analysis
- ▶ A solid understanding of assembly methodologies for a variety of packages but specifically including QFN devices
- ▶ An overall understanding of Mixed-signal IC ATE test and test techniques
- ▶ A solid understanding of failure, yield and materials analysis techniques with experience in constructing experimental programs with subcontractors to determine root cause of failure, i.e. EMMI
- ▶ Understanding of current Joint Electron Device Engineering Council (JEDEC) reliability and quality requirements
- ▶ Full understanding and experience of designing HTOL experiments in line with JEDEC requirements, including the calculation of HTOL acceleration factors
- ▶ Full understanding and experience of managing ESD and Latch-up experiments in line with JEDEC requirements
- ▶ Full understanding of silicon skew lots (FF, SS, FS, SF), and the interaction with the foundry to ensure process spread is within acceptable "normal" production processing for qualification purposes of a new FAB process

GreenPeak Offers

- ▶ An accessible management team open to new ideas
- ▶ A results driven organization
- ▶ Co-operative interaction between teams
- ▶ An informal English speaking flexible work environment
- ▶ A competitive salary package in-line with your experience

At GreenPeak, people make the real difference!

This vacancy is based in the company headquarters which is located in Utrecht, Netherlands. The office is located in down town Utrecht, a minute walk from Utrecht Central Station.

If you would like to join our team and if you are convinced you will be a real asset to GreenPeak, we would be delighted to receive your CV.

Please send your CV to:

careers@greenpeak.com ensuring the subject field includes the job reference information.

Job Ref: Sr. Product Engineer