

PRODUCT ENGINEER

Place:

Department: Business Line Power and Lighting Solutions (PLS)

The Business Line Power and Lighting Solutions in Nijmegen is a young and fast growing organization within NXP Semiconductors. We operate with a great success in marketing, development and production of full system solutions consisting of ICs for the power conversion, lighting electronics and display markets with successful products for integrated lighting ballast solutions and GreenChip™ family of off-line power supply-controllers. Our customers are the leading Asian as well as European and U.S. based consumer electronics and computing companies. In our market increasing energy efficiency, standby regulations and lower power consumption drive the demands for future power management solutions.

We focus on three segments: 'Adapter power', 'General Lighting' and 'Display power management'. We market products for high voltage, off-line power supplies used in consumer (LCD TV & monitor, Low Power CE) and computing (desktop PC & adapter supplies for Mobile PC) applications, CFL & HF-TL lamp driver ICs used in general lighting applications and EEFL/CCFL. The product range is expanding into products for low voltage, Solid State Backlighting, Power Over Ethernet and Point of Load applications.

The Business PLS is part of the Business Unit High Performance Mixed Signal.

Job description: **Role in BCP (Business Creation Process):**

The product engineer contributes to the validation, qualification and characterization of new products in the business creation process. The product engineer is actively involved from S-gate onwards.

The product engineer is responsible for making and execution of the Characterization and Industrialization Plan for a business creation project in which all PE-activities and requirements from S- to R-gate are reflected. With the Industrial Produceability Reports I (V-gate) and II (R-gate) he provides the prove and advice the stakeholders that the product is suitable for mass production.

Role in BFP (Business Fulfilment Process):

The product engineer is responsible for yield monitoring, hold lot management of his product portfolio and initialization of related improvement actions. In this role he will act as a liaison between the business line and the wafer, test and assembly factories with respect to activities related to the business fulfilment process. He will report on a monthly base on yield performance and improvements of his product portfolio in Tashiro format. The product engineer participates in industrial projects and plays an important role in the different transfer activities within NXP, like wafer process transfers, package transfers etc. The product engineer is responsible for handling customer complaints (Customer Analysis Request) of his product portfolio.

General:

A product engineer is continuously looking for ways to improve the output and quality of his work and setting standards for the WoW within the PE group in order to deliver the enablers for other disciplines in- and outside the business line in an optimal way.

Requirements: **Experiences/skills:**

Master or Bachelor degree in electronics. Relevant experience with (T)PE activities, Datapower (NXP data analysis tool), basic knowledge of IC process technology and circuit design preferred.

Knowledge of six sigma is a pre (Green Belt certified).

Team worker with good communication skills in English, Dutch is a pre.