

## Field Application Engineer

### GaN Systems Inc. – EMEA

#### Job Description

The Field Application Engineer (FAE) will be responsible for aiding and convincing customers to apply leading edge GaN technology in their power conversion applications. The primary role will include meeting with customers, defining new products and promoting the benefits of GaN devices in the power electronics industry. The successful candidate will be a technical, customer facing individual who can understand the overall situation and objectives of customers looking to adopt a new technology. GaN applications span multiple power electronics fields including AC/DC, DC/DC, SMPS, inverters & motor drives. GaN Systems Inc. offers the opportunity to be involved with the most leading edge power semiconductor technology worldwide.

#### Responsibilities:

- Provide direct customer support including device selection, circuit design/troubleshooting, thermal/electrical and system solution analysis.
- Respond to technical inquiries from existing and prospective customers with proper documentation and timely feedback/analysis.
- Partner with distribution, providing technical support and extending the reach into the broad market.
- Identify short and long term revenue opportunities and manage them to production.
- Work with customers, marketing and product managers to define product roadmap and product enhancements.
- Prepare technical collateral including application notes, technical papers and customer presentations.
- Actively represent GaN Systems Inc. at trade shows, conferences and other industry wide platforms through speaking opportunities, expert panel participation etc.

#### Skills & Experience:

##### Required:

- Experience in the fields of designing power electronics.
- Design knowledge of power semiconductor devices including gate driver design, turn-on/off switching behavior, miller effect, circuit parasitics and loss calculation.
- Good understanding of different topologies (half/full bridge, PFC, inverter and resonant circuit such as LLC/PSFB), and power electronics control theory.
- Strong written and communication skills with experience in specification creation, technical writing and customer presentation.
- Basic knowledge of analog and digital control circuit/programming.
- A passion for power systems, power devices and providing world-class technical support to customers.
- Work as part of a highly productive team.

**Desired:**

- Previous application experience in power semiconductor industry is preferred.
- Knowledge and design/application experience with GaN and/or SiC power device is a plus.
- Project experience with high power (5+kW) system designs including thermal solutions.
- Experience working with internal and external customers internationally.
- An individual who desires to influence the direction of a leading emerging technology company.

**Education:**

- Degree in Electrical Engineering required, MSc or PhD degree with an emphasis on power electronics is preferred.

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