



## System Application Engineer for Battery Management Systems

### Job description

Infineon Korea is looking forward to a passionate and experienced System Application Engineer specialized in Battery Management System (BMS).

In your new role you will:

- Work with application marketing manager closely to support the G2M (Go-to-market) activities for BMS applications
- Provide 3rd level technical support, 2nd level if needed, to regional FAEs for BMS applications
- Insure design-win of new discrettes and ICs products for BMS applications by supporting regional FAEs
- Work with application marketing manager to define and develop both commercial and technically viable system solutions for BMS applications
- Provide system concept verification including virtual and rapid prototyping for customers for BMS applications
- Develop know-how on BMS applications and drive innovations such as product features or system offerings
- Describe system architectures derived from BMS application use case for product definition; break-down of system requirement into product features including both discrete and ICs
- Provide and review technical content for BMS application roadmap as well as Identify, evaluate und drive innovation ideas including technical trend scouting
- Develop reference designs/turnkey solutions for BMS application based on alignment with Application Marketing/Management on application/customer development trend
- Work with application marketing managers closely and develop technical training documents and preform training/seminars for regional SAEs and FAEs
- Perform detail circuit analysis with modelling, simulation, and bench validation based on customer application requirement; Generate reference schematics, BOM, PCB layout guidelines, and test reports for customers; Develop simulation models and design assistant tools where needed

### Profile

You are best equipped for this task if you have:

### At a glance

Location: **Seoul (Korea)**  
Job ID: **318879**  
Start date: **immediately**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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- Technical Degrees (BSEE/MSEE/Ph. D) in Electrical Engineering or similar areas with minimum 10 years' experience in semiconductor or power electronics industry
- Deep understanding of power electronic converter topologies and hands-on experience converter design
- Candidate with hardware experience in BMS application on battery protection system is preferred.
- Experience in system level model and simulation for various power switches or conversion circuits
- Fast learner and able to work under-pressure. Capability to work in a global and diverse team in different locations worldwide.
- Good verbal and written communication skills. Able to explain complex technical ideas to a variety of audiences. Written and verbal fluency in English is a must.

