



Electrical Design Engineer

募集職種

採用企業名

アドバンスドエナジージャパン株式会社

求人ID

1583772

部署名

Plasma Power Products Group

業種

電気・電子・半導体

会社の種類

外資系企業

雇用形態

正社員

勤務地

宮城県

給与

400万円～650万円

更新日

2026年03月31日 00:00

応募必要条件

職務経験

3年以上

キャリアレベル

中途経験者レベル

英語レベル

日常会話レベル

日本語レベル

流暢

最終学歴

大学卒：学士号

現在のビザ

日本での就労許可が必要です

募集要項

«Job Description & Position Highlights»

- A leadership role in the electrical design and development of RF power supplies and power electronics products
- A role where you can leverage your expertise by providing technical guidance to the team and contributing to system verification and performance improvement
- An environment where you can hone your project management and problem-solving skills through collaboration with international teams and customers
- Work that allows you to deepen your advanced electrical design skills by utilizing state-of-the-art measurement equipment and design tools

【Job Responsibilities】

Provides electrical design & RF support for product development and/or sustaining efforts. Provides direction to the team

regarding electrical circuit and simulation challenges. Acts as a technical expert for all aspects of the electrical power engineering, design, and documentation involved.

This position will report to the head of engineering in Korea.

This position will participate in electrical design for RF matching network and Power generator products.

<RESPONSIBILITIES>

*Essential

- Participate in electrical development for RF match and power generators.
- Improves the quality and performance of the products.
- Technical support for the customer.
- Other duties as assigned.

<WORK ENVIRONMENT>

- To work within standard electronic laboratory environment and office
- To communicate and work with the customers for developments

<REPORTS TO>

Engineering Sr Manager

<RECEIVES ADDITIONAL DIRECTION FROM>

Senior Engineer or Above

[Employment Type]

Permanent employee

[Salary]

4.0 to 6.2 million yen

[Work Location]

Sendai Office

スキル・資格

[QUALIFICATIONS]

*Required:

- 5+ years of related experience and above in Power electronics and RF power delivery.
- Hardware design (Schematic and PCB) possible to meet customer requirements.
- Experienced in various system verification and performance improvement.
- Ability to understand, Power electronics and the RF power delivery system.
- Ability to understand, hardware and software based on CPU control systems.
- Ability to understand, develop, and support CPU-based control systems, addressing both hardware design considerations and software implementation, debugging, and system-level behavior.
- Ability to Understand, how to measure and control the analog signal
- Ability to understand, function and behavior of electronic components and modules.
- Ability to develop RF and Digital circuits into PCB and products.
- Ability to simulate electronic circuit or component through PSpice, ADS or HFSS.
- Ability to handle software tools such as MATLAB and LabVIEW
- Ability to analyze and resolve electrical problems.
- Ability to guide and lead projects, evaluate next steps and targeted goals
- General verbal English and communication skill with international teams
- Good at process improvement and quality control.
- Bachelor's degree in engineering or equivalent specific experience
- Language Skills: Native-level or fluent Japanese communication skills are required. Basic to intermediate
- English comprehension is preferred for reviewing technical materials and collaborating with global teams.

*Desired:

- Master's degree in engineering or similar.
- Focus in RF Design or RF equivalent
- Familiar with lab equipment such as oscilloscope, spectrum analyzer, network analyzer, etc.
- Familiar with programming languages such as C/C++, MATLAB, Python or LabVIEW.
- Familiar with simulation tools such as ADS, HFSS, PSIM, PSpice, Altium or ORCAD.

[REQUIREMENTS]

- Integrity to perform work individually and with cross-functional teams
- Thorough work ethic and full dedication to work
- Good technical skills and ability to learn fast
- Bachelors degree in Electronic or Electrical Engineering or equivalent specific experience
- PCB Software, Altium or Cadence, experience
- Ability to work independently as needed as well in a multi-national, collaborative and highly innovative team environment.
- Comfortable with: Standard laboratory instrumentation, including but not limited to oscilloscopes, VNAs, RF VI probes, multimeters, leak detectors, and thermal sensors
- Reading schematics, PIDs, and wiring diagrams

