

Delairco

Automatic Weather Stations and Sensors

Electrical Engineer 電気エンジニア 2025

New challenges, renewable energy.

募集職種

採用企業名

デレーコ・ジャパン株式会社

求人ID

1546171

業種

電気・電子・半導体

会社の種類

中小企業 (従業員300名以下)

外国人の割合

外国人 少数

雇用形態

正社員

勤務地

東京都 23区, 千代田区

最寄駅

中央線各駅停車 (三鷹-御茶ノ水) 駅

給与

経験考慮の上、応相談

ボーナス

給与：ボーナス込み

勤務時間

9:30 to 6:30 (flexible hours are possible)

更新日

2025年07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

ビジネス会話レベル

日本語レベル

ビジネス会話レベル

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 Summary:

We are seeking a hands-on and detail-oriented **Analog & Digital Circuit Design Engineer** to design, development, and integration of electronic systems. This role involves end-to-end circuit board development—from concept and schematic capture to testing and system integration. The ideal candidate will have experience with both custom circuit design and integration of off-the-shelf (COTS) components into cohesive, reliable systems.

Key Responsibilities:

- Design analog and digital circuit boards, including schematic capture, component selection, and layout review.
- Simulate and optimize mixed-signal circuits for low noise, high stability, and power efficiency.
- Integrate COTS components and modules into larger system designs, ensuring compatibility and performance.
- Troubleshoot and debug circuits using test equipment (oscilloscopes, logic analyzers, spectrum analyzers, etc.).
- Develop and execute detailed validation and verification test plans for PCBs and integrated systems.
- Consider and design for EMI/EMC compliance, thermal constraints, and mechanical integration.
- Collaborate closely with firmware, mechanical, and manufacturing teams to ensure smooth system integration.
- Document designs, test plans, validation results, and compliance data clearly and thoroughly.
- Ensure designs meet relevant regulatory standards (FCC, CE, ISO, IEC) and internal quality guidelines.

スキル・資格**Education & Experience Requirements:**

- Bachelor's degree (B.S.) in Electrical Engineering or a related field (Master's preferred).
- 3+ years of experience in analog and digital circuit design and testing.
- Experience designing, simulating, and troubleshooting analog and serial communication circuits.
- Familiarity with industry standards for serial communication (e.g., RS-232, RS-485, I2C, SPI, CAN, UART).
- Strong knowledge of signal integrity, noise analysis, and circuit debugging.
- Hands-on experience with oscilloscopes, spectrum analyzers, function generators, and logic analyzers.

Design Requirements:

- Ability to design and optimize circuits for low noise, high stability, and minimal power consumption.
- Experience with mixed-signal circuit design, including ADCs, DACs, and signal conditioning.
- Understanding of EMI/EMC considerations in circuit design.

Testing & Troubleshooting Requirements:

- Ability to create and execute detailed test plans for analog and serial circuits.
- Knowledge of failure analysis and root cause identification techniques.
- Experience using test fixtures and designing test setups for circuit validation.
- Familiarity with environmental and stress testing procedures.

Additional Skills & Knowledge:

- Strong problem-solving skills and ability to work in a hands-on lab environment.
- Knowledge of regulatory standards (e.g., FCC, CE, ISO, IEC) for analog, digital and communication circuits.
- Experience working with microcontrollers and embedded systems is a plus.
- Ability to document design, test procedures, and results in a structured and clear manner.
- Strong teamwork and communication skills to collaborate with cross-functional teams.

会社説明