

Electrical Engineer

Job Information

Recruiter
JAC International Co., Ltd.

Hiring Company
Data Center Engineering Company

Job ID
1621440

Industry
Other

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
6 million yen ~ Negotiable, based on experience

Refreshed
November 19th, 2026 00:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

We are seeking an experienced and motivated Electrical Engineer to join our engineering team. In this role, you will be responsible for the design, analysis, coordination, and implementation of electrical systems across construction projects.

You will apply your technical expertise in electrical engineering, system design, and project delivery to develop safe, reliable, and efficient solutions that meet project requirements and applicable industry standards.

Responsibilities

Pre-Engineering Stage

Conduct site surveys and electrical risk assessments, support preliminary engineering activities and test fits, and obtain budgetary pricing and lead-time information for major electrical equipment from vendors.
Design electrical systems, including power distribution, lighting, fire alarm, and low-voltage systems, in accordance with project specifications, applicable codes, and industry best practices.
Prepare detailed electrical drawings, schematics, and technical specifications using CAD software, ensuring accuracy, code

compliance, and coordination with other engineering disciplines.
Perform electrical load calculations to determine building power requirements, considering equipment, lighting, HVAC systems, and other electrical loads.
Select and specify appropriate electrical equipment, components, and materials based on project requirements, applicable standards, performance, and energy efficiency.

Engineering Design Phase

Develop tender and construction drawings and documentation, conduct value engineering, and support the end-customer approval process, including electrical system studies, reliability studies, cause-and-effect studies, RFQ compliance, and EHS compliance.
Collaborate with architects, engineers, vendors, contractors, and other project stakeholders to integrate electrical systems into building designs and test fits.
Address technical challenges and ensure effective coordination between electrical and other MEP systems.

Construction Phase

Prepare and issue drawing revisions as required, respond to Site Technical Queries (STQs), conduct site inspections, lead electrical commissioning activities, and manage as-built drawings.
Develop, implement, and review testing and commissioning (T&C) plans, ensuring electrical testing is carried out in accordance with relevant codes and standards.
Investigate and troubleshoot electrical system failures or malfunctions and develop effective solutions to ensure system safety and reliability.
Stay up to date with emerging technologies, industry trends, and electrical engineering best practices, identifying opportunities for innovation and continuous improvement.

Employee Benefits:
Health Insurance
Employees' Pension
Employment Insurance
Industrial Injury Insurance

Required Skills

Requirements
- Bachelor’s degree in Electrical Engineering or a related field. A Master’s degree or relevant professional certifications would be advantageous.
- Minimum 5 years of experience in electrical engineering, preferably within the construction industry and with a focus on building electrical systems.
- Proficiency in CAD/BIM software such as AutoCAD and Revit, along with electrical engineering and system analysis tools such as ETAP or SKM.
Strong understanding of electrical system design principles, applicable codes, and industry standards, with the ability to develop safe, efficient, and practical engineering solutions.
- Experience working with multidisciplinary teams, including architects, engineers, contractors, and vendors, to successfully integrate electrical systems into building designs.
- Strong knowledge of Medium Voltage (MV) electrical distribution systems, generators, UPS systems, and transfer switches.
- Knowledge of Short Circuit Coordination and Arc Flash (SCCAF) studies in accordance with relevant standards and codes, including NFPA and IEC requirements.
- Knowledge of MV/LV equipment protection, discrimination, coordination, and interlocking schemes.
- Excellent analytical and problem-solving skills, with the ability to identify technical challenges, develop effective solutions, and make sound engineering decisions.
- Strong written and verbal communication skills, with the ability to clearly communicate technical concepts to project stakeholders and collaborate effectively across diverse teams.
- Strong project management and organizational skills, including the ability to manage multiple projects, prioritize competing requirements, and meet project deadlines.
- Commitment to continuous professional development and staying current with emerging technologies, industry developments, and electrical engineering best practices.
- Willingness to conduct site visits as required.

Company Description

新たに日本マーケットに参入される外資系企業や、日本でさらなるビジネス拡大をお考えの外資系企業のお客様に、私たちは最適な採用サポートを提供いたします。1975年に英国初の日系人材紹介会社としてロンドンで創業し、その後シンガポール、日本、マレーシア、インドネシア、タイ、中国の7カ国 (また2011 年には香港・韓国にも拠点を新設予定) でグローバル人材紹介会社として事業を拡大してきたジェイ エイ シーは、そのバックグラウンドから、海外文化への深い理解を持ち合わせています。グローバルに事業を展開する日系人材紹介会社のリーディングカンパニーとして、私たちは他に類のない人材ネットワークから、日本人の優秀なバイリンガル人 材や外国人のプロフェッショナル人材をご提供することが可能です。幅広い業種、職種においてのエキスパートである当社のネイティブあるいはバイリンガルコ ンサルタントが皆様のパートナーとなり、適材適所で人材のご紹介をいたします。ジェイ エイ シーが築いてきた特有の歴史、文化、そしてグローバルマーケットでの強みを揺ぎない核として、日本マーケットで躍動する外資系企業のお客様のニーズにさら に的確にお答えするために、ジェイ エイ シー インターナショナルは誕生しました。私たちはアジアやヨーロッパのJAC Recruitment Group海外各社と緊密に連携を取り、お客様の真のニーズを把握した上で、最適なキャンディデイトをご紹介いたします。

?

We provide specialized proactive recruitment support tomultinational clients who are setting up new operations or

areexpanding existing business and seeking further growth in theJapanese market.As the first Japanese recruitment company to set up operations in theUK in 1975, understanding foreign cultures is second nature to us.With our extensive global network and historically leading position asrecruitment consultancy to Japanese corporations, we have access toan unrivaled pool of bilingual Japanese and foreign professionals.Our professional consultants are experts in a range of Industries andfunctions and all have extensive multicultural experience.Based on JAC's unique history, culture and market strength, JACInternational was founded to provide dedicated support to ourmultinational corporate clients in Japan.

JAC International Co., Ltd. is a wholly owned subsidiary of JAC Recruitment. Co., Ltd.