Test & Commissioning Engineer_Junior level

募集職種

人材紹介会社
株式会社PROGRE

採用企業名
commercialization companyof fusion energy

求人ID
1621823

業種
その他 (インフラ)

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 半数

雇用形態
正社員

勤務地
滋賀県, 高島市

給与
400万円 ~ 600万円

勤務時間
9:00 - 18:00

更新日
2026年11月10日 11:30

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 (英語使用比率: 常時英語)

日本語レベル
無し

最終学歴
専門学校卒

現在のビザ
日本での就労許可が必要です

募集要項

This role is about more than testing equipment. You will be responsible for ensuring that our systems perform as designed and for seeing them through to successful operation at the customer site. As the final technical checkpoint before delivery, you will play a critical role in ensuring the performance, reliability, and quality of everything we deliver.

Our # Mission is to make fusion energy a practical and sustainable energy source. Achieving this requires not only cutting-edge technology, but also the expertise to ensure that it performs reliably in the real world.

We are looking for someone who wants to take ownership of that final, critical stage — helping bring our technology from development into operation and contributing directly to the commercialization of fusion energy.

Key Responsibilities

- Develop test plans and procedures for gyrotron systems, including the design of test fixtures and instrumentation.
- Perform millimeter-wave measurements, including output power, frequency, mode patterns, reflected power, and arc detection, and analyze the resulting data.
- Conduct conditioning operations across the full system, including high-voltage, vacuum, and cooling subsystems, and optimize voltage ramp-up sequences.
- Serve as the responsible on-site engineer for Factory Acceptance Testing (FAT) in Japan, as well as Site Acceptance Testing (SAT) and com# Missioning at overseas customer sites.
- Plan the start-up and safety design of new test facilities, including irradiation test ranges, beam dumps, shielding, and interlock systems.
- Compile and analyze test data, prepare technical reports, and feed findings and lessons learned back into the engineering and design teams.

*Given the broad scope of this role, your specific responsibilities will be determined based on your experience, expertise, and areas of strength.

スキル・資格

Required Skills and Experience

・Testing and commissioning of industrial equipment, electrical systems, or research facilities
・ Project engineering for large-scale equipment, from test planning through commissioning and handover
・Design and development of measurement systems, including data acquisition and analysis
・Electrical measurement or the operation and handling of high-voltage equipment
・Preparation of test procedures, test documentation, and technical reports
・Willingness and ability to travel domestically and internationally, including several overseas trips per year for commissioning activities
・Intermediate English proficiency, with the ability to read and write technical documentation and participate in technical discussions and meetings in English

Preferred Skills and Experience

・Japanese language proficiency at JLPT N3 level or above

Experience or knowledge in any of the following areas is highly desirable:

・Millimeter-wave or microwave measurement experience (power measurement, mode patterns, network analyzers, etc.)
・Experience with conditioning operation of high-voltage or vacuum equipment
・Knowledge of design of experiments (DoE) and statistical data analysis
・Practical experience with Japan's Radio Act (experimental station licensing), RF exposureprotection guidelines, or the Technical Standards for Electrical Installations
・Knowledge of interlock and safety design (IEC 61508 or similar)
・Experience with thermal imaging or infrared thermography
・Certifications such as Chief Electrical Engineer (Denki Shunin Gijutsusha) or Radiation Protection Supervisor

会社説明