



## Hybrid Engineer(Design BESS/Hybrid systems)

**BESS+PV or BESS+Wind/modeling/ESS system**

### 募集職種

#### 人材紹介会社

シェフィールドグリーン株式会社

#### 採用企業名

再生可能エネルギー発電事業

#### 求人ID

1508214

#### 業種

石油・エネルギー

#### 雇用形態

正社員

#### 勤務地

東京都 23区

#### 給与

600万円 ~ 850万円

#### 更新日

2024年12月06日 11:11

### 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

無し

#### 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

・ Understand and apply battery design, selection, and sizing parameters. Design BESS and hybrid systems (BESS + PV or BESS + Wind), including chemistry selection and performance modeling/simulations.

・ Estimate battery lifetime, assess degradation and augmentation options

・ Utilize software (e.g. HOMER, PVSyst) for battery and hybrid systems by modeling each component in detail.

・ Integrate bi-directional inverters, AC systems, DC/DC converters into battery system design for stand-alone and hybrid applications.

・ Understand and adhere to relevant standards: IEC 62933, UL9540A, NFPA 855, UL 1973, IEC 62619

- Develop comprehensive energy storage solutions, including battery technology, PCS, BMS, EMS, SCADA, and hybrid systems (BESS + PV or BESS + Wind). Provide technical services for project execution with system details, review utility and commercial and industrial RFPs
  - Assist with battery and hybrid system development in various markets. Prepare Expression of Interest documents and Request for Quotation documents for project tender
  - Manage technical documentation flow between suppliers and contractors
  - Support the development of a Centre of Excellence for Energy Storage. Participate regularly in conferences and industry networks to scout for new ideas and innovations. Present technical information to external and internal teams on energy storage systems and solutions
  - Ensure technical compliance of energy storage solutions
  - Collaborate with Technical Advisors to complete project feasibility, detailed engineering review, and construction finance due diligence
  - Oversee battery and solar design and construction by contractors for projects in Japan
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## スキル・資格

- Masters on Large scale BESS applications
  - Experience in executing large scale BESS systems in Japan
  - Modelling/Simulation experience (e.g. in HOMER, PowerFactory, PVSyst)
  - Established network within the industry with BESS related suppliers and contractors
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## 会社説明