CareerCross by JAC Recruitment

ADVISORY GROUP

【急募!!!】シニアR&Dシステムエンジニア/Senior R&D System Engineer

年収~1100万／フルリモート可／国際プロジェクトで最先端技術に挑む

Job Information

Recruiter
Advisory Group K.K.

Hiring Company
Aerospace Company

Job ID
1472144

Industry
Automobile and Parts

Company Type
Small/Medium Company (300 employees or less) - International Company

Non-Japanese Ratio
About half Japanese

Job Type
Permanent Full-time

Location
Tokyo - Other Areas

Salary
Negotiable, based on experience ~ 11 million yen

Refreshed
July 14th, 2025 02:00

General Requirements

Minimum Experience Level
Over 6 years

Career Level
Mid Career

Minimum English Level
Business Level (Amount Used: English usage about 75%)

Minimum Japanese Level
Daily Conversation

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

次世代の月面輸送・インフラ・資源活用システムを開発する、最先端の宇宙系企業でのポジションです。

技術開発にとどまらず、ビジネス面への貢献や国際連携を通じて、R&Dの方向性そのものに影響を与える重要な役割を担っていただきます。

主な業務内容

- 月面輸送／インフラ／資源活用のシステムアーキテクチャ設計（概念〜初期設計レベル）

- 技術のシステム解析・トレードスペース分析を実施し、ミッション統合を支援

- 日本・欧州・米国の各拠点エンジニアとの連携

- プロジェクトの初期コスト・スケジュール策定への貢献

- モデリング・シミュレーションツール（GMAT, STKなど）の使用

- 技術実証プロジェクトおよびクロスファンクショナルチームとの共同推進

- Python/C/C++ での開発作業

As the Advanced Research & Development (ARD) Systems Engineer, you will play a vital role in two primary ARD projects:

1. **New Technology Development/Demonstration:**

   - Drive advancements in cutting-edge technologies.
   - Demonstrate the feasibility and functionality of new technologies.

2. **Next-Generation Lunar Transportation, Infrastructure, and Resource Utilization System Architecture:**

   - Lead the creation of system architectures from initial concept to the preliminary design level.
   - Contribute to the development of lunar transportation, infrastructure, and resource utilization systems for the next generation.

You will collaborate with a multidisciplinary team, contributing not only to the technical aspects but also providing valuable inputs to the business and finance sides. This includes defining initial costs and schedules. The role involves close collaboration with engineering teams across Japan, the EU, and the US, influencing and shaping the company's R&D direction.

Key Responsibilities

1. **Systemic Analysis:**

   - Lead and perform in-depth systemic analysis of key technologies aligned with the company's R&D roadmap.
   - Report the value of technologies within the context of lunar transportation and cislunar ecosystem development.

2. **Tradespace Analysis:**

   - Conduct tradespace analysis to effectively integrate R&D developments into landers, orbiters, and rovers.
   - Enhance mission value through strategic integration.

3. **Project Implementation:**

   - Work closely with cross-functional teams to implement selected R&D projects.
   - Oversee technology demonstration projects and customer servicing initiatives.

Required Skills

応募要件

- 宇宙プロジェクトにおけるシステムエンジニア経験3年以上

- 宇宙機設計のいずれかの分野で3年以上の経験（構造、熱、電力、通信、GNC等）

- 英語：ビジネスレベル（使用割合約75%）／日本語：日常会話レベル

- モデリング・最適化ツールの使用経験

- プログラミング経験（Python, C, C++）

歓迎スキル

- MBSE（モデルベースドシステムズエンジニアリング）の実務経験

- 複合材・展開構造（パネル・アンテナ等）の知識

- 放射性加熱／電源ユニットに関する知見

- 衛星コンステレーション設計、ISRUプロジェクト経験

- Pythonの実務使用3年以上

- **Minimum 6 Years Work Experience:**
  - At least 3+ years in systems engineering for space projects.
  - At least 3+ years in one or more spacecraft design fields: structures, thermal, power, communications, GNC, flight dynamics.
  - Working experience with modeling and optimization tools (GMAT, STK, Catia, Thermal Desktop, link budget simulation, etc).
  - Programming language experience (Python, C, C++).

- **Additional Preferred Qualifications:**
  - Working experience with composite materials and their structural/thermal properties.
  - Expertise in deployable technologies and flexible modes (panels, antennas, etc).
  - Familiarity with radio-active heating/powering units.
  - Knowledge of interoperable nodes constellation design (intersatellite link, PNT, communication coverage).
  - Experience in In-Situ Resource Utilization (ISRU) projects.
  - 3+ years of experience with Python.
  - Experience in systems engineering applying the Model Based Systems Engineering (MBSE) approach.

Company Description