



Process Engineer-Critical

Domestic Heavy Industry Manufacturer

Job Information

Hiring Company

Quest Global Services Pte Ltd

Job ID

1270125

Industry

IT Consulting

Company Type

Large Company (more than 300 employees)

Job Type

Permanent Full-time

Location

Kanagawa Prefecture

Salary

6.5 million yen ~ 7 million yen

Refreshed

July 10th, 2025 08:00

General Requirements

Minimum Experience Level

Over 6 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

Responsibilities

- Experience in refinery, biofuel projects is highly appreciated.
- Preparation of Basic Flow Diagram, Process Flow Diagrams and Piping & Instrumentation Diagrams, Utility Summary and Utility Distribution Diagrams.
- Ability to understand Process Design Basis and Process Description.
- Preparation of P&ID from scratch
- Understanding of Process Control philosophy, Emergency Shutdown Philosophy
- Perform Thermal sizing of Heat Exchangers, Air Coolers, etc.
- Perform Equipment sizing calculations for Pumps, separators, Heat Exchangers, Air Coolers, reactors, cooling towers, filters, distillation columns, vessels/tanks etc.
- Preparation of Equipment Process Datasheets.

- Pump Hydraulics calculations, report and datasheet preparation.
 - Perform sizing of Control valves, Orifice and Prepare Process Datasheets of instruments (control valves, on/off valves, flow, pressure, temperature, level, analysers etc.).
 - Relief device sizing, analysis, Inlet/Outlet line sizing, report and datasheet preparation as per API standards
 - Line hydraulic analysis-Line sizing and pressure drop calculations
 - Equipment list and line list preparation
 - Preparation of design calculations using Excel
-

Required Skills

〔応募条件〕 Requirements

■必須要件■ Must Have

- Aspen Plus, HYSYS, Flarenet, Pipesim
- Industry: Oil and Gas / Energy / Power / Infrastructure
- Functional Area: Engineering Design, R&D
- Role Category: Engineering Design

■尚可要件■ Good to Have

- Experience in carbon capture utilization and storage (CCUS)

■語学力■ Language Skill

- Japanese – above N3 Level
- English – Business Level

〔雇用区分〕 Employment Type 正社員 Permanent Employee

〔勤務地〕 Work Location Kanagawa/Tokyo

Company Description

We're in the business of engineering. We believe engineering has the unique opportunity to solve the problems of today that stand in the way of tomorrow. For 25 years, we have strived to be the most trusted partner for the world's hardest engineering problems. As a global organization, we live and work in 17 countries, with 56 global delivery centers, driven by 17,000+ extraordinary employees who make the impossible possible every day. Quest is a trusted, strategic and long term partner for many Fortune 500 companies in the Aero Engines, Aerospace & Defence, Transportation, Oil & Gas, Power, Medical Devices and other high tech industries. The company offers mechanical, electrical, electronics, embedded, engineering software, engineering analytics, manufacturing engineering and supply chain transformative solutions across the complete engineering lifecycle.