



Chiller Engineer

Job Information

Hiring Company

Cyient K.K.

Job ID

1552295

Industry

Machinery

Job Type

Permanent Full-time

Location

Hyogo Prefecture

Salary

6 million yen ~ 12 million yen

Refreshed

January 23rd, 2026 01:00

General Requirements

Minimum Experience Level

Over 6 years

Career Level

Mid Career

Minimum English Level

Daily Conversation

Minimum Japanese Level

Native

Minimum Education Level

Bachelor's Degree

Visa Status

Permission to work in Japan required

Job Description

Key Responsibilities

- Experience in leading design and specification of centrifugal chillers, shell-and-tube heat exchangers, and associated piping systems in accordance
- Perform load calculations, refrigerant flow modeling, and chiller system simulations using tools like TRACE 700/3D Plus, HAP, or EnergyPlus.
- Develop technical documentation including P&IDs, piping layouts, equipment data sheets, valve and control schematics.
- Design for redundancy (N+1, 2N) in accordance with Tier III/IV data center standards.
- Coordinate with structural and electrical engineers to ensure compliance with guidelines on pipe supports, anchors, and expansion joints.
- Integrate chiller plant design with building management systems (BMS) and energy efficiency control logic.
- Oversee vendor reviews, bid evaluations, factory acceptance tests (FAT), and site acceptance tests (SAT).
- Provide technical leadership during commissioning and retro-commissioning phases.
- Stay up to date with evolving ASME, ANSI, and ASHRAE standards and best practices.

Required Qualifications

- Bachelor's or Master's Degree in Mechanical Engineering or Thermal Systems Engineering.
- 10+ years in HVAC design with at least 5 years specializing in centrifugal chiller systems
- ASME experiences is good to have

Company Description