

# CYIENT

## 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**

August 8th, 2025 00:00

### 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

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