

COMMISSIONING ENGINEER– Mechanical



Minimum Qualifications

- Bachelor's degree in Mechanical Engineering or equivalent practical experience.
- Experience in installation, commissioning, testing, troubleshooting & maintenance of Mechanical control systems, HVAC, cooling systems, Building management systems
- Experience with mission critical facilities.
- Bi-Lingual (Japanese & English)

Preferred Qualifications

- Master's degree.
- Professional Engineer (PE) certification.
- Experience with engineering software packages.
- Knowledge of mechanical and control systems.
- Knowledge of large-scale data centers' mechanical infrastructure systems.
- Ability to travel, both domestically and internationally

About The Job

Our Data Center Commissioning team helps our client built sustainable, energy efficient and state-of-the-art mission critical data center facilities around the globe.

You will be part of this global engineering team and with your technical expertise, you ensure compliance with codes and standards, functional requirements of the data enter and provide solutions to clients to meet their challenges.

As a Mechanical Engineer, you will be involved in the development of test scripts, & testing of complex mechanical infrastructure products & systems

About us

Bureau Veritas Primary Integration (BVPI) is a global leader in data center consulting services is part of the Bureau Veritas Group, focusing on mission critical data center facilities planning, construction, and operation. We are partners to the world's most renowned hyperscale, co-location, technology, financial and telecommunications companies, building, operating or occupying data centers around the globe. With high quality of service delivery commitment, we build trust by helping clients meet challenges, thus helping in Shaping a World of Trust.

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Responsibilities

Provides engineering and technical support to plan, schedule, coordinate and execute full life cycle commissioning of critical facilities. Participates in the MEP design process; witnesses the static and dynamic testing of complex mechanical, electrical and controls systems and operates the system in normal, maintenance and failure modes of operations by performing the following duties.

- Highly experienced working with chilled water distribution and commercial HVAC systems. *
- Performs Test Procedures. *
- Prepare meeting minutes. *
- Work with fundamental test equipment such as data logging equipment for temperature humidity etc.
- Interacts with contractors, interprets design and specifications. *
- Knowledge of engineering principles. *
- Thorough knowledge of your principle with a strong understanding of electrical equipment and principles
- Knowledge of electrical or mechanical system from operations perspective
- Ability to interact/work and represent the client and maintain the highest professional standards.
- Conducts site observation surveys and prepares field reports on the status of projects and completion of projects with respect to compliance to the plans and specifications. *
- Prepares punch list reports and determines corrective measures for on-site problems. *
- Prepares general condition survey reports. *
- Familiarizes oneself with codes, local project regulations, construction practices and the latest equipment functional concepts. *
- Familiarizes oneself and obeys all the projects safety requirements including specific on-site regulations. *
- Performs routine calculations. *
- Participates in professional engineering associations and societies. *
- Acts as project coordinator with other field engineers, coordinating printing, presentation and administration procedures. *
- Reviews project drawings and submittals. *
- Develops MEP test procedures. *
- Develops MEP operating procedures. *
- Responds to RFI's when requested by PM Team. *
- Performs various administrative duties.
- Understanding of commissioning levels and standards.
- Performs other duties as assigned

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Similar work experience & Skills

- Candidate must possess experience and must have knowledge of installation, commissioning, testing, breakdown trouble shooting & maintenance of heavy mechanical systems / sub systems
- Candidate must possess hands on experience and knowledge of following mechanical systems
 - ✓ HVAC
 - ✓ Cooling systems (all types)
 - ✓ Chiller systems, cooling towers and associated sub systems (both water cooled and air cooled)
 - ✓ AHU / Fan coil units etc.
 - ✓ Process water systems and treatment
 - ✓ Air Humidification
 - ✓ Control and instrumentation experience such as SCADA/ PLC/ BMS/ EPMS systems
 - ✓ Ability to interpret raw signal data and process same such as temperature and humidity data etc.
 - ✓ Control and instrumentation systems
 - ✓ Fuel transfer systems
 - ✓ Smoke extraction/ pressurization control
 - ✓ Network & communication system knowledge such as BACNET, Modbus, Ethernet etc

Industry

- ✓ Mission critical
- ✓ Data center
- ✓ Engineering

Employment type

- ✓ Full time

Skills (keywords)

- ✓ Commissioning
- ✓ Mechanical Engineering
- ✓ Data Center
- ✓ HVAC
- ✓ Cooling systems
- ✓ Building Management Systems
- ✓ Heavy Engineering
- ✓ Control & Instrumentation systems