JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Senior Mechanical Design Engineer</th>
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<tbody>
<tr>
<td>Department:</td>
<td>Construction</td>
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<tr>
<td>Primary job location:</td>
<td>London 5</td>
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<tr>
<td>Reporting to:</td>
<td>Design Manager</td>
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<tr>
<td>Direct reports:</td>
<td>None</td>
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About VIRTUS

VIRTUS Data Centres is the UK’s fastest growing data centre provider which owns, designs, builds and operates the country’s most efficient and flexible data centres. Our mission is to consistently exceed the expectations of customers through innovative, high quality solutions and services. We employ intelligent thinkers – people with positive attitudes, who add the quality of customer proposition and business. We value individual endeavour and initiative, encourage teamwork and togetherness because collective experience and expertise is VIRTUS’ greatest strength.

Job Summary

The role is to be the VIRTUS Mechanical subject matter expert (SME) as well as managing the design of individual projects.

This will require the ability to work with the Senior Design Manager and external teams of Architect & Engineers (AEs) who will be responsible for delivering detailed designs to suit the agreed contract approach. The role will require experience in working with multiple stakeholders and working with AEs to deliver Data Centre design packages to suit execution timelines agreed at the outset.

The role will need to demonstrate an excellent understanding of Mechanical system design both at a concept level and working system design level to meet business deliverables as well as understanding AE led detailed design approaches and how and why systems are designed the way they are.

The role will require regular dialogue with the AE teams to progress designs to meet the agreed design programmes and information release milestones. The role will be expected to direct the Mechanical engineering approach with the AEs and where necessary challenge design direction to ensure Virtus always has optimised Mechanical designs for its data centre delivery programme.

On occasion the role may be require to be customer facing so good presentation skills are required.

Author: Pete Betts/Mike Golding
Date: 09/07/2022
Part of the role will be the ability of the successful candidate to innovate and challenge our Mechanical design approaches and propose improvements to our roll out.

The role is a hybrid working approach based on Virtus working principles, meaning the expectation is the role will be a blend of remote working and in person meetings at Virtus office and Data centre locations as required to manage internal and external stakeholders in order to meet design release milestones.

The successful candidate will be expected to work within a diverse and inclusive team environment delivering large scale enterprise projects with both localised and virtual team structures and be able to judge the most efficient method of working for the particular task or aspect of the role that is being conducted.

**Duties and Responsibilities**

- Expert knowledge of Mechanical system design and components, control and monitoring systems. In time this is expected to become a working knowledge Data Centres within the VIRTUS portfolio.
- Ability to audit or produce design calculations that would determine the design of Mechanical system.
- Ability to be customer facing if required with the ability to discuss designs in detail with customers to meet their requirements.
- Develop, modify, review and own VIRTUS Mechanical engineering principles.
- Own project design schedules and deliverables to meet the agreed project milestones.
- Manage AE design reviews and incorporate any Owner Furnished Contractor Installed (OFCI) equipment into AE design information.
- Contribute to the construction phase by providing input as required to assist with GC working drawing approvals, RFIs & tech subs, commissioning plan development.
- Assist the Senior Design Manager with On-site safety and construction reviews of new data centre infrastructure as it progresses at site.
- Assist the Construction and Commissioning Agents with input to the project Mechanical commissioning plan and witness key areas of the Cx schedule as may be required to IST new data centre infrastructure.
- Manage the production of AE As installed Information.
- Input to site quality walks to produce site snagging (punch list) schedules and input to the handover process in line with Virtus requirements known as Chapter12.
- Support the Senior Design Manager in identifying opportunities to improve site infrastructure design and reduce our power usage effectiveness.

- Maintain knowledge of Mechanical engineering design trends by involvement with manufacturers product development and lessons learned feedback from the construction, commissioning and in service operational feedback.
- Support the Senior Design Manager in optimising existing technical infrastructure, balancing energy effectiveness with resilience and customer SLAs.
• Support VIRTUS in ensuring that health and safety regulations and statutory requirements are adhered to.

Qualifications and Skills

• Bachelor’s degree or Equivalent in Mechanical Engineering or Building Services Engineering or equivalent qualifications/blend of experience – Any acceptable.
• 3+ years’ minimum experience in Mechanical design, preferably data centre design with hyperscale data centre operators, lease providers or allied sectors such as Petro-Chem/Pharma/Process control – any heavy process sector experience valid.
• Experience of working in a multi-disciplinary team as a Mechanical SME with demonstrable project level design management.
• Demonstration of the ability to self-develop, and willingness to learn.
• Able to organise and manage own workload and report out to your line manager.
• Good interpersonal skills
• Good customer service understanding and skills.
• Self-motivated with energy and drive to provide exceptional service.

In line with the VIRTUS’ Safeguarding Policy, the successful applicant must be willing to undergo a BS7858 screening process.

Remuneration package and benefits:

• Private healthcare
• Pension contribution scheme
• Eye and dental care benefit
• Discretionary bonus
• Income Protection
• Life Assurance
• Cycle to work scheme
• Annual travel card loan
• Tech Scheme
• Electric car scheme
• Workplace extras - Byond card and Extras discount

VIRTUS is an equal opportunity employer. As part of our commitment to fight for equality, we work to ensure a fair and consistent interview process. We celebrate diversity and we are committed to an inclusive work environment.

If you are interested in this role, please email your CV to careers@virtusdcs.com

We reserve the right to close this post for applications should sufficient applications be received.