

# JOB ADVERT

## VIRTUS Data Centres

Job Title:	<b>Lead Mechanical Engineer</b>
Department:	Quality and Performance
Reporting to:	Principal Engineer
Direct reports:	None
Job type:	Permanent, full-time role

## 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

As part of the Engineering Technical Team as the Mechanical subject matter expert you will be responsible for ensuring all VIRTUS's mechanical systems are operating correctly within their design and are optimised to ensure highest levels of efficiency and reliability. You will ensure all best practises and standards are delivered, and work with the LSO FM Team to ensure any issues are quickly resolved to minimise operational impact. As part of the role, you will author and deploy a set of Mechanical Safety Rules for use across VIRTUS's estate. You will use your excellent organisational skills to ensure services are delivered to the highest standard.

## Role Responsibilities

The role includes but is not limited to the following: -

- Be the overall technical authority for all VIRTUS' data centres cooling and supporting mechanical infrastructure.
- Provide 2<sup>nd</sup>/3<sup>rd</sup> level escalation for mechanical/controls issues. P1/P2 incidents out of hours.
- Provide SOP/EOP development, including sign off on any mechanical SOP/EOP drafts.
- Assist with the commissioning of existing upgrades and supporting mechanical elements where required.

- Working with the M&E lead engineer continually optimise mechanical systems to provide high levels of efficiency and reliability.
- Organise training for FM engineers/supervisors on any mechanical systems ad-hoc or planned.
- Provide mitigation to remove, where possible, the majority of the “Human Error” aspects from all mechanical operations. Whether it is a physical optimisation to equipment, robust technical training, or clear procedure documentation. This is to be driven with the LSO technical lead for each facility.
- Provide technical input on all mechanical works and projects.
- Optimise the maintenance offerings to ensure all manufacturers and best practises are followed.
- Ensure technical excellence on all mechanical systems and ensure all engineering best practices are being followed.
- Organise and witness mechanical Site Acceptance Tests (SAT) for New Build items. This is to be parallel with the commissioning undertaken by the commissioning manager and M&E team
- Collaborate with the Projects Department on facility Integrated Systems Testing (IST).
- Understand and owning each facilities mechanical capacity planning.
- Input into commissioning test scripts for mechanical elements for FATs, SATS and IST.
- Take ownership of any key mechanical issues and push progression and, as part of this, ensure VIRTUS’ systems are updated
- Assist the Technical Team to ensure compliance with ISO Security, Fire and Health & Safety related policies and procedures.
- Assist with Health & Safety compliance.

Any other reasonable requests made by your line manager and duties relevant to the position and the running of the company.

Normal working hours are Monday to Friday, with the requirement to participate in on call cover and working out-of-hours, to oversee critical work and manage the escalation of serious issues on sites.

## The Requirements

- You will have detailed technical knowledge of the type of large-scale mechanical systems installed at VIRTUS’s facilities. This includes complex DX, Chilled Water, HVAC and related mechanical systems, and BMS/PMS and controls systems. You will show a demonstrated understanding of various redundancy topologies of such infrastructure.
- Extensive mechanical engineering, maintenance and commissioning experience in Data Centre or other mission critical sector is essential
- A proven track record of Data Center cooling optimisation and efficiency improvements

- You will have been a team leader or manager in a multi-megawatt datacenter operator and have experience working for Blue Chip Multinational Enterprises- either directly or in a customer/supplier relationship.
- You will have demonstrated an ability to work to short, medium and long-term deadlines, as well as being able to react quickly and change priorities to meet demands.
- Have a good knowledge of regulatory compliance and health and safety within the Data Centre environment.
- You must be a self-motivated individual who is resourceful, with the ability to build working relationships quickly and effectively. Above all, you will be a great communicator with excellent organisational, influencing and strong interpersonal skills.
- You must have outstanding communication skills, both written and verbal, with an ability to articulate complex problems in a clear and methodical way and have experience dealing with difficult and multi-faceted problems.
- Pro-active, responsive - able to prioritise and deal with intense moments of high activity using excellent analytical/problem solving skills.
- Comfortable working through ambiguity, bringing clarity and control in a growing and dynamic environment.

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

### **Remuneration package and benefits:**

- Competitive rate of pay.
- Private healthcare.
- Critical illness and life assurance.
- Pension contribution scheme.
- Discretionary bonus.
- Cycle to work scheme
- Eye care benefit
- Annual travel card loan
- TechScheme

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](mailto:careers@virtusdcs.com).

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