

Advanced Oncotherapy is an innovative technology business focused on delivering a proton-based radiotherapy system using as its basis, technology originally developed and tested at the world-renowned CERN research facility in Switzerland. The company acquired this technological know-how through the acquisition of A.D.A.M. SA, a CERN spin-off company, in 2013, and has since gone on to develop further innovations and features.

Proton beam therapy will play a crucial role in the affordable treatment of cancer in the future. Advanced Oncotherapy's system is based on a linear accelerator ('LIGHT') technology that is superior to traditional cyclotron/synchrotron accelerators and significantly less expensive to implement.

Commercial momentum is now building. In the UK: the Company has formed a JV with Circle, a leading UK healthcare company, to create a proton therapy centre at a prestigious Harley Street site which is currently being developed.

In preparation for the installation and commissioning of the first LIGHT system at our test site (STFC Daresbury) prior to shipping to our customer site, the Client Services Team of Advanced Oncotherapy plc must ensure that all sites are fully prepared.

The role of the Mechanical Building Services Engineer is to be responsible for all activities that relate to heating, ventilation, air conditioning, domestic water services, drainage, above ground sanitation, medical gases, special gases, water treatment, etc. We are at the stage with these designs and plans, that we now also require the creation of 2D drawings and 3D models of the Mechanical Building Services.

Summary of key areas of responsibility:

1. Design and specification of Mechanical Engineering Services.
2. Design and specification of Product Mechanical Services.
3. Creation of 2D drawings and 3D model

Responsible for the design and implementation of Mechanical Building Services for our various projects and also the cooling and air conditioning infrastructures for the product components.

Creation of 2D drawings and 3D model of the Mechanical Building Services.

Responsible for all activities that relate to heating, ventilation, air conditioning, domestic water services, drainage, above ground sanitation, medical gases, special gases, water treatment, etc.

Responsible for coordinating with, and assisting AVO personnel, ADAM personnel, clients and suppliers.

Responsible for determining the most suitable mechanical engineering services arrangements for offices, consultation rooms, technical areas, auxiliary areas, etc, medium sized rack rooms, etc, and the extensive close control water and air cooling requirements for the proton therapy product components, all within a medical environment.

The mechanical services detailed design will either be carried out by the post holder or an outside consultant under the direction of the post holder.

Responsible for arranging a suitable contractor to carry out the installation works under strict monitoring by the stakeholders.

Responsible for advising other team members regarding matters associated with the ongoing operation and maintenance of the completed installation.

Knowledge, Skills and Experience:

Essential:

- Knowledge of AUTODESK Inventor and AutoCAD;
- Knowledge of Revit and BIM;
- Associate or Full Membership of CIBSE;
- A minimum of 4 years supervised training in the design and management of mechanical engineering services;
- Successful completion of a college or university course in mechanical or environmental services, which is accredited by the CIBSE;
- A minimum of 5 years post training experience;
- A strong understanding of all mechanical engineering services;
- Extensive experience of undertaking feasibility studies and producing detailed designs, specifications and contract documents for all mechanical engineering services;
- A commitment to accuracy in all duties which are carried out;
- Experience in the design of chilled water systems providing 2 MW plus cooling;
- Extensive experience and ability in coordinating with Architects, Structural Engineers, Electrical Engineers, contractors and other design and construction team members.

Desirable:

- Associate or Full Membership of the IHEEM;
- Experience in designing mechanical engineering services within data centres or other high heat density applications;
- Have detailed experience and knowledge of integrating engineering services into a Hospital working environment and complying with the requirements of Hospital Technical Memorandums, Hospital Building Notes, Regulations and all relevant authoritative guidance and recommendations;
- Have adequate experience to monitor mechanical contractor's works, ensure they are being carried out to the required standards, to ensure works are acceptable for Handover and to carry out cost control and agree valuation;
- Have a detailed understanding of CIBSE Commissioning Codes and ensuring commissioning engineers comply with these;
- Demonstrable success at driving projects to completion, and initiating new processes and procedures within an R & D and commercial environment;
- Have a well organised and methodical approach to work and very strong analytical, project management and IT skills with attention to detail;
- Have experience of cross-functional working and demonstrate an effective collaborative way of working;
- Knowledge and experience of managing stakeholder relationships at a senior level;
- Possess excellent interpersonal and communication skills (oral and written) with the ability to communicate effectively with both internal and external stakeholders;
- Highly motivated, proactive and enthusiastic, with the ability to work on own initiative;
- Experience in motivating and managing people; an interest in developing people whilst managing performance – a collaborative team player;

What we offer

- The opportunity to work in a field that will make a considerable contribution to the health and well-being of many cancer sufferers and their families
- A competitive salary
- Private healthcare insurance
- 28 days' holiday plus public holidays
- The opportunity to participate in an employee save as you earn share-option scheme
- Travel opportunities in UK and Europe
- A great team-oriented, multi-cultural environment
- Career development and growth

To apply

Please send CV and covering letter to HR Administrator, bianca.mercea@avo-adam.com by 14 December 2018