

Advanced Oncotherapy is an innovative technology business focused on delivering a proton-based radiotherapy system using technology originally developed and tested at the world-renowned CERN facility in Switzerland.

Proton beam therapy is likely to 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 than its competitors. The company acquired the technology through the acquisition of A.D.A.M. SA, a CERN spin-off company, in 2013.

Commercial momentum is now building, with an order book reaching several hundred million dollars. 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 is recruiting a team of installation and service engineers. This new team will work closely with the technical team in A.D.A.M SA in Geneva, undertaking initial training in the research bunker and contributing to the specification of the installation and service requirements of the first and subsequent machines.

Job description

Primary Focus

- To assist with the development of the LIGHT system and drive changes based on the installation/service requirements.
- Establish maintenance and service procedures to ensure that the target of clinical uptime can be achieved.
- Assist with the design of the mechanical interfacing between the LIGHT system and facility.
- Work with 3rd party suppliers and customers to achieve safe and cost-effective methods of installing the LIGHT system and associated equipment within very tight constraints.
- Installation of the first LIGHT System at its Test Site and Customer Site.

Responsibilities

Product Development

- Liaise with R&D, Engineering and Operations, provide technical expertise for mechanical engineering requirements for the LIGHT System.
- Advise on the required mechanical checks/calibration/maintenance for the LIGHT system during its clinical lifetime.
- Produce/provide input for the Service & Maintenance documentation
- Identify and correct mechanical weaknesses within the product solution.

Installations team

- Work with 3rd Party suppliers and customers for safe installations of large scale medical equipment.
- Create work instructions and information for manuals on site preparation and installation of large scale medical equipment.
- Create procedures and processes for service tasks and to also prompt replacement of FRU's.
- Create installation checklists for mechanical safety checks and calibration on a daily/weekly/monthly/annual basis.

Advanced Oncotherapy plc

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- Structural calculations - pressures, stresses, strains and risk of failure.
- Liaise with other designers, including architects, to agree on safe designs and their fit with the aesthetic concept of the construction
- Work with geotechnical engineers to investigate ground conditions and analyse results to ensure they meet our specification
- Assist with the accelerator alignment procedure and work to provide efficient installation and alignment procedures.

Skills/Experience/Education

- Minimum of a HNC or equivalent in mechanical engineering
- 5 years' experience gained in a class 2 medical device environment
- 5 years experience of servicing/installing/building commercial oncology products.
- Experience of working on large scale complex medical installations
- Ambitious to develop and work as part of a diverse team
- Soft skills to include 'team player', ability to work independently, discretion, confidentiality, people management and communication, flexibility, performing under pressure.
- Willingness to travel in the UK and overseas
- Willingness to work flexible hours as required to ensure the company meets its targets as per the 'the first patient timeline'

Training requirements:

- External Health and Safety Training
- Radiation Protection Course provided by Aurora

The Candidate

Flexible, with a strong desire to learn and develop within the role. Must be willing to travel and will spend the majority of their time on the first commercial installation in Harley Street (approximately 40 weeks of the year starting in late 2019). Shift working may be available during the installation periods. All other time will be spent working from home/London office with regular visits to our R&D centre in Geneva and some of our third-party suppliers. From Autumn 2018 time will also be spent at our new test facility at STFC Daresbury in the UK carrying out the installation/ commissioning of System 1 and providing the appropriate support.

Applications open 14 May and close on 31 May 2018.
Apply with CV and covering letter to HR Administrator, Bianca Mercea
bm@avoplc.com

For further information, please contact Director of Client Services, Simon Lee
sl@avoplc.com