A.D.A.M. SA seeks to appoint a

**Control System Engineer, C++**

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. ADAM is based in Meyrin, near Geneva in Switzerland.

The first LIGHT systems is being installed and commissioned at our test site at STFC Daresbury, in the north of England, prior to shipping to our customer sites. More information on A.D.A.M. SA can be found on [www.avoplc.com](http://www.avoplc.com).

As a team member of SCS (Supervisory Control System) team this role is responsible of the creation of specific software and control frameworks which complete compose or interface the accelerator SCADA System. Development of such components requires very good C++ development skills, basic knowledge of python and relational databases as well as an understanding of control system environment.

**Main activities are to:**

1. Gather requirements and elaborate designs
2. Develop software applications primarily in C++ on Windows
3. Prepare test cases and execute commissioning of the integrated subsystems
4. Write technical documentation such as requirements, architecture, interface documents, test plans and manuals

**Requirements:**

1. Master’s degree or higher in the field of software engineering, control systems, electronics or equivalent.
2. Experience in software development
3. Very good knowledge of C and C++
4. Very good knowledge of object-oriented programming
5. Good knowledge of software patterns
6. Good knowledge of version control systems
7. Good knowledge of Qt and C++ standard library
8. Spoken and written knowledge of English with the ability to write technical documents
Information
For further information please contact Stefano Magnoni (Stefano.magnoni@avo-adam.com)

What we offer
- a competitive salary, contribution to healthcare costs and above average contribution to pension
- 24 days holiday plus the CERN closing days (approx. 6 days per year)
- a friendly, international working environment with experts in their field
- career progression through training and development
- the chance to be at the cutting-edge of proton therapy research

Applications
Interested candidates should submit
- a cover letter
- a curriculum vitae,
- a master degree certificate or equivalent in a relevant field
- at a minimum, the names of 2 referees, or two letters of recommendation, and/or employment
- any other relevant certificates, i.e. configuration management certificates

by email to the Group HR Manager: sabrina.lagrimosa@avo-adam.com

For full consideration applications should be submitted by 15 May 2020.

The positions will remain open until filled.
All qualified individuals are encouraged to apply.