

Trainee's Project Report

Job Code	TE3462
Department	TE
Discipline	Computing
Supervisor	GOMES Paulo

Description

In the framework of the operation the Large Hadron Collider and of its injectors; as part of the group responsible for high and ultra-high vacuum, coatings and surface treatments; participate in the development, qualification and maintenance of the control systems of vacuum installations; provide support to the operation teams.

Special Requirements

Engineer in Automation, Computing or Electronics, with knowledge, and preferably some work experience, on control systems hardware and software, including test and measurement techniques. Basic knowledge on design of electrical cabinets for control systems, comprising the integration of industrial front-end electronics (analog and digital); able to go through the phases of procurement, assembling, testing, installation, commissioning and data management. Able to work according to procedures and safety rules. Familiar and experienced with Windows, Linux, C/C++, SQL, and common office tools. Good knowledge of English or French; working knowledge of the other language..

Training Value

Gain experience in: the design/development/qualification/maintenance of control systems; become acquainted with the integration of control software and hardware within a large scale, complex and diverse infrastructure; interact with experts on varied high-tech fields in the VSC group.

