



Software development for Vacuum SCADA

Code	TE7526
Programme	FCT
Department	TE
Responsible	31616 - Mr. Paolo Chiggiato

Title

Software development for Vacuum SCADA

Description

In the framework of the operation the Large Hadron Collider and of its injectors, you will be part of :

the Department Technology (TE) that provides the technologies specific to existing particle accelerators, facilities & future projects;

the Group Vacuum Surfaces and Coatings (TE-VSC), responsible for the design, construction, operation, maintenance and upgrade of high & ultra-high vacuum systems for Accelerators and Detectors;

the Section Interlocks, Controls and Monitoring (TE-VSC-ICM), in charge of the design, maintenance & consolidation of the vacuum control systems of all Accelerators and Detectors.

You will participate in the development, update and maintenance of the vacuum SCADA and its supporting IT infrastructure (oracle databases, vacuum database editor, web-monitoring tools). He/She will take an active role in the development of the new generation of the vacuum DB Editors and databases, aiming to consolidate and future-proof the service that centralizes the configuration of the vacuum control system. You will also take an active role on every-day maintenance and bug fixing activity, supporting vacuum operations requirements.

Skills

Information Technologies: Using software development tools (e.g. Git, Jira, Trac). Programming Languages: C++, Java, Javascript, SQL, PL/SQL or similar

- Web Technologies (Spring MVC, Bootstrap, React JS, jQuery, javascript, apache tomcat)
- Unit Testing and continuous integration

Master Degree in Computing

Disciplines

Information Technologies

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