



Sample Project: Design and integration of detector control systems using WinCC OA and JEE

Code	EP1114
Programme	FCT
Department	EP
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Title

Design and integration of detector control systems using WinCC OA and JEE

Description

Design, implementation and maintenance of detector control systems using a software framework based on the industrial software WinCC OA. Design, implementation and maintenance of Web based remote controls applications using JEE on ORACLE WebCenter. In the framework of the constantly evolving detector controls system of the CMS experiment, we design and develop tools to increase and ensure the high efficiency and availability of the system, which is key to large data statistics needed for precision measurements in particle physics. In a large user community remote control via web tools is an important factor.

Skills

Databases: Oracle. Information Technologies: Building web applications (e.g. with jQuery, HTML5), Developing distributed computing systems (e.g. clusters, batch systems), System administration (e.g. with GNU/Linux, Microsoft Windows, Networks), Using software development tools (e.g. Git, Jira, Trac), Using web application frameworks (e.g. Django, GWT, APEX). Programming Languages: C, C++, Java, Javascript, SQL, PL/SQL or similar <p>WinCC OA, JEE</p>

Disciplines

Information Technologies

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