

LLRF device inventory management for the European XFEL

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The low level radio frequency system (LLRF) for the European X-ray free electron laser (XFEL) is a complex subsystem essential to the accelerator. It comprises over 2000 electronic boards and modules, all of them undergoing production, testing, installation and maintenance life cycles. For such a large scale accelerator, tracking, labeling and book-keeping of these components is essential during the installation, commissioning and operation phases of the accelerator. While several tools are currently used within the work package to perform these tasks such as DESY's Kabel DokumentationsSystem (KDS) and the Electronic Document Management System (EDMS), all current and future needs are still not covered. This contribution will present the challenges associated with the book keeping of the LLRF system, the current implementation and its open points.

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