

CERN Equipment management integrates Safety aspects

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Ensuring personnel and equipment safety under all conditions, while operating the complex CERN systems, is a vital condition for CERN success. By applying accurate operating and maintenance procedures as well as executing regular safety inspections, CERN has an excellent safety record. Regular safety inspections also permit the traceability of all important events that have occurred in the life of an equipment or an installation.

Such traceability is a requirement of the Host states' safety regulations. The CERN Engineering Data Management System (EDMS) is the technical document and equipment management system for the LHC project. With EDMS it is today possible to have access to the design, manufacturing, testing and installation information of approximate 350'000 different LHC parts or LHC subsystems. The EDMS Service has now added features to this system to allow a complete integration of the technical data and the safety information.

This paper presents a summary of the architecture of the system, its main functionalities, the benefits it brings, experience gained and some planned improvements. The paper also highlights the importance/need to define clearly from the beginning the roles and responsibilities of each party and to ensure the resources and organization required".

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