

A Web portal for the Engineering and Equipment Data Management System at CERN

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CERN, the European Laboratory for Particle Physics, located in Geneva - Switzerland, has recently started the Large Hadron Collider (LHC), a 27 km particle accelerator. The CERN Engineering and Equipment Data Management Service (EDMS) provides support for managing engineering and equipment information throughout the entire lifecycle of a project. Based on several both in-house developed and commercial data management systems, this service supports management and follow-up of different kinds of information throughout the lifecycle of the LHC project: design, manufacturing, installation, commissioning data, maintenance and more. The data collection phase, carried out by specialists, is now being replaced by a phase during which data will be consulted on an extensive basis by non-experts users. In order to address this change, a Web portal for the EDMS has been developed. It brings together in one space all the aspects covered by the EDMS: project and document management, asset tracking and safety follow-up.

This paper presents the EDMS Web portal, its dynamic content management and its “one click” information search engine.

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