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Coordinating maintenance tasks in a scientific facility as a synchrotron light generator is a basic task to optimize the resources available and meet planning

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A question we've probably done all ever is: you can apply the same procedures and standards of maintenance of an industrial facility to a scientific facility such as a synchrotron? One possible response in which many might agree would be basically yes, because the maintenance of each element forming the installation as a whole is very similar to other industrial facilities (air pressure, cooling water, cryogenics, air conditioning, electrical installation , electronics hardware, electronics software, cabling, ...) but as with all sorts of unique installation, should be addressed to specific criteria and, where there is no maintenance section that is responsible for "everything"

An example would be the coordination of the activities of Maintenance performed in a synchrotron in two very distinct periods: with beam (Beam ON for Beam Lines) or stop (shut-down) but also might consider a third case without beam subsystems running (warm) Different sections that often have a synchrotron (Accelerators, Building Infrastructures, Communications & Outreach, Controls, Diagnostics, Electronics, Experiments -Beam Lines-, Insertion Devices, Mechanical Engineering, Transport & Logistic, Vacuum ...) scheduled activities and coordinating these periods is not easy. The questions that arise are: who coordinates all (necessary)? Who prioritizes and on what basis (who decides in cases of conflict)? You need to create different levels of coordination and which ones? Who is responsible and how (distributed responsibility)?

Coordination in the management of maintenance is a key to getting a good value for money, quality, cost-effectiveness, reliability, compliance activities on schedule to avoid unnecessary delays, etc. and at the same time, it must have a large dose of flexibility and adaptability to unexpected circumstances.

In this presentation we will explain in a practical case what methods and procedures have been established to resolve the Coordination of maintenance activities in the Alba synchrotron and reflect how you improve on a continuous improvement process in which we should all be required to engage in the objective maintenance activities (services) are transparent to the end user (no news good news).

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