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Maintenance program in the cooling circuit at ALBA. DW case.

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Shutdown periods in ALBA are the best availability window to execute the critical scheduled maintenance joined to the improvements and upgrades of the whole facility. The Computerized Maintenance Management Systems (CMMS) are the tools to coordinate whole year process activities related to maintenance and analyze operation calendar updates and facility upgrades.

Motivation to explore the viability of CBM approach implementation: increase reliability, decrease cost, decrease at minimum not programmed shutdowns, increase predictability to optimize the programmed shutdown activities.

In this presentation we have an overview of the maintenance tool used in ALBA, we will focus on the pumps of the deionized water circuit (cooling circuit), which have suffered a vibration problem that has been high maintenance costs, a study was carried out to discover the fail frequencies of the set slab/pump to later design a new slab to avoid the high maintenance costs had to date and his commissioning.

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