

The challenges, methods and results for the maintenance of the cryogenic installations during the first Long Shutdown of LHC.

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It was the first time at CERN that the 10 large cryogenic installations of the LHC had 4 years of continuous operation followed by 12 months of complete shutdown. This huge task had not been possible if we did not work with a Computer Aided Maintenance Management System (CAMMS). Globally, run 1 and the first long shutdown have given very good results in availability and the organisation of the maintenance. But several improvements have been identified and will be implemented in the CAMMS during run 2.

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