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Gain of Experience for the Running-in of LHC

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The talk focuses on the results and the experience gained from the deployment of a new control system on LEIR during its running-in. From a technical viewpoint, the control system of LEIR presents challenging features. It is the result of the integration of new components foreseen for the LHC into the existing controls infrastructure deployed on the CERN [PS Complex] accelerators. As the LHC-like controls have been used for the first time in an operational context during the LEIR running-in in 2005, their successful operation represents a very valuable step in the process of the LHC Controls system validation. Moreover, LEIR also has faced a cultural challenge: make the operators confident in changing their habits and in using new controls despite some issues of reliability and maturity. The talk provides a look to the main strategies undertaken to achieve this double objective as well as the difficulties encountered and the lessons learnt in view of the LHC operation.

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