

# **The Maintenance and Production: Integration Approach**

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## **Abstract**

In the contemporary competitive industrial climate, companies must account for integrated maintenance policies to remain in business.

The objective of this study is the integration of the policy of maintenance and the production control with an aim of thus improving its dependability its total productivity. Our goal through this communication is to improve the performances of a system of production, which rest on several criteria whose principal ones are the Cost, the Availability, Reliability, Maintainability and the Productivity.

The factors that influence each criterion are the basic attributes. The means of actions are the various policies of maintenance available. In order to facilitate the analysis and the choice of the "best " policy to be integrated. Our work falls under a total prospect that consists to conceive and carry out a system of assistance to the choice of the policy of maintenance in a system with continuous lawsuit. The Cement factory of Ain Touta was used as case study in this paper