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*Study and evaluation of the maintenance system of the ALFAPIPE-
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Study and evaluation of the maintenance system of the ALFAPIPE-Ghardaïa company

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Abstract – Maintenance is one of the constraints encountered by any operator of an industrial facility. More generally, a production facility requiring a set of material and human resources is only able to provide the service requested of it after overcoming various constraints, including the maintenance of the production equipment used. Today, controlling the availability of goods, materials and industrial equipment would allow the industry to act on the regularity of its production, its manufacturing costs, its competitiveness and its commercial success. To sell more, to sell better, it is now no longer just a question of offering a better method of operating the facility but of guaranteeing the operator a rapid intervention method, a detection and diagnosis of failures, in a word, quality maintenance to achieve optimum production. Our project is based on industrial maintenance, from the point of view of the proportion of the application of maintenance within the ALFAPIPE-Ghardaïa company. The project answers the question: does the ALFAPIPE company apply the instructions and maintenance planning that we study and that exists in the documentation or not?. This work is organized into two main parts that can be summarized as follows:

Part 1, is devoted to reminders of the maintenance function and tries to introduce the fundamental notions of this field. It gives the Concepts, objectives and policies of maintenance. In the second part, we made a practical study on maintenance within the ALFAPIPE-Ghardaïa Company.

Keywords – Maintenance, Industrial, Production, ALFAPIPE-Ghardaïa.
