

# Modele hydraulique d'un reseau de disribution d'eau potable de la ville meyenne generale des eaux region loire poitou Nantes-France

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## Abstrak

### **ABSTRACT**

With the contract of affermage in 1966, Generale des Eaux?Loire Poitou has been chosen as the délégataire of the town ?Mayenne? with the nature of the service on branching, water meter, distribution, and client service. She must control technical order while taking care the management of the client service, to commit daily on the working of facilities, and with the Mazeaud law (08-02-1995), she has an obligation to provide annually to the town hail, a summary of activities have been done, like some modification of the network, and so on, which integrates as a part of financial report.

The interest of a mathematical model of network of drinking water distribution has a goal for knowing the conditions of the existing or extension network and to select the best solution that gives the optimisation of the investment programs to satisfy and to complete the needs in drinking water in the future years. Generale des Eaux has to propose this solution as a technical and financial propo?itiOfI. and then submit it to the town hail. The price that is proposed must be the most interesting with the best technical aspect.

From a technical viewpoint this project gives a chance to Generale des Eaux to prove her technical capacity. The performance and professionalism are important because the town hail only thinks on the result of the technical rnanagement the services and the daily working engagement by Generale des Eaux in the field. This is going to give a confidence of the continuity of the contract by the town hall.

From the commercial view, an engagement with the community can accelerate the other communities to delegate their services of water and wastewater management to Generale des Eaux The confidence of the customers gives the important contribution to develop her business in this segment in the future years. In the industry, she proposes to the big-medium enterprises, a complete range of benefits, such as: an intervention of emergency, a diagnosis of the suits and hydraulic networks, a global management of facilities, accompaniment of certification steps, etc. These services can interest enterprises that need professional expert for the management of water and wastewater purification.