

FORMS OF ORGANIZING THE MAINTENANCE ACTIVITY WITHIN THE EQUIPMENT USING INDUSTRIAL UNITS

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Industrial maintenance consists of a group of measures and actions that allow prevention, good maintenance or reset of an equipment into a stipulated state or make it fit for securing a determined service while minimizing maintenance costs. [2].

Within industrial facilities the maintenance activity may be carried out in three ways: by own means, through specialized units and combined. This paper develops maintenance rendered by own means, having at its turn, three different forms: the centralized method, the decentralized method and the mixed method.

The centralized method applies to the small and middle-sized industrial units which operate a small diversity of gears; it consists of executing all works of registration, planning, scheduling and fulfillment of activities in a centralized mode by the maintenance department.

The decentralized method is used by the major industrial units operating a great diversity of equipment and consists of the execution of maintenance works by the department subordinated to the basic output links. Thus, the main maintenance department has the task of performing only complex maintenance works and organizing the equipment related activities.

The mixed method implies that small and medium range complexity maintenance works be executed by the maintenance departments subordinated to the basic output links and the greater complexity works be performed by the central maintenance department. This method aims at combining the advantages of the former methods, as to allow both specialization of workers by types of machines and production subunits (beneficial for the labor productivity) and an increase of the maintenance works execution efficiency. Thus, the specialization of operators is combined with the close follow-up of the exploiting equipment.

Choosing one or the other from the maintenance activity organization methods must be made according to the technical, economical and administrative conditions existing in the industrial facility. The maintenance activity organizational structure must be designed so as to allow good conditions rendering of the maintenance works and to meet certain requirements like flexibility, the possibility of logical setup of the maintenance works as well as the efficient use of all existing resources from the maintenance department.

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