

**An evaluation of the use of mechanical plant  
in construction: a case study of selected  
number of sites.**

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**Abstract:**

The study focuses on the practice of managing construction plants as a pre-condition for their affective utilisation in the Nigerian construction industry. It shows that the economic life of a plant depends on adequate maintenance and that appropriate education and training for the plant operators enhances the efficiency of plants and equipments. It also discusses the issue of costing in relation to construction operations and hence highlights the consequences of inadequate computation of costing items.

The research methodology includes the examination of plant use management taking cognisance of the contractors' organisational set up as a basis for operation. The research concludes with a set of recommendations such as adequate training of operators, restricted choice of brand of plants and adequate managerial personnel in order to enhance the productivity of contractors.

**Keywords:** Construction/ plants/ plant operators/ costings/ training/ personnel

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