## Implementation of Total Productive Maintenance and Overall Equipment Effectiveness Evaluation

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## **Abstract:**

Global performance evaluation is the most important in the field of continuous improving of the production process. Overall Equipment Effectiveness is one of the performance evaluation methods that are most common and popular in the production industries. This paper focuses on a study of total productive maintenance and evaluating overall equipment effectiveness. The calculation of the overall equipment effectiveness in Salt Company (Emisal) in Egypt is carried out. The big six losses in any industry (quality, availability and speed) are also presented. The data were collected through reviewing the technical documents available in Emisal Company. As a result, the Company achieved about 97% in average quality rate of overall equipment effectiveness equation and about AV% in availability in October Y.17 where in average performance efficiency in October 7.17 it achieved about AV.0%. The comparison between the world class standard and company results is carried out and the company is not achieved the world class availability, performance efficiency, quality rate and overall equipment effectiveness. Based on these results, global maintenance management, and production planning were suggested to improve their maintenance procedures and improve the productivity. Also, the company needs to work hard to improve their inspection system start from the raw materials inventory to the work in process finished with finish goods inventory.