

TIME SERIES ANALYSIS AND FORECASTING OF BOILER EFFICIENCY

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ABSTRACT

Time series analysis is one of the techniques in statistics used for forecasting the data point or any parameter based on its previous history. Forecasting the parameter helps in accessing the market demand and the behavior of the entire system. In process industry, boiler is the most critical component, as it may explode if not taken care. Forecasting boiler efficiency helps in understanding the operational condition of boiler. If forecast suggests that the efficiency declines, then necessary actions for its improvements can be initiated immediately. Time series analysis is carried out in this paper to predict or forecast the boiler efficiency.

KEYWORDS: Forecast, Time Series Analysis, Boiler Efficiency

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