Monitoring of transformer parameters using Internet of Things in Smart Grid

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Abstract

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Abstract:
Electricity plays important role in day-to-day life. Energy industry always look forward to improve the performance of the power system. The traditional power system comprises of generation, transmission and distribution which is unidirectional in nature. This power system is required to be monitored and controlled in real time. Smart Grid is a concept which integrates the entire power system right from generation to end user in one system. By using modern technology, Smart Grid can be build on the existing power system. In this concept, things being monitored for the better performance of the substation and grid. This paper presents an idea on real time monitoring of the distribution transformer in order to make the system more reliable. Different parameter of the distribution transformer are monitored and demonstrated through Internet of Things platform. System data has been monitored and analysed.

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