

Review of: "Internet of Things in Smart Grid: A Comprehensive Review of Opportunities, Trends, and Challenges"

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Potential competing interests: No potential competing interests to declare.

The paper explores the integration of IoT technologies within smart grids, highlighting their potential to enhance efficiency and streamline processes. It reviews existing research, identifies challenges in implementation, and discusses various application areas of IoT, including smart cities, agriculture, and healthcare. The paper aims to provide insights into feasible solutions and raise awareness among researchers about the advancements in IoT applications. After carefully reviewing the paper, I've identified a few points that could be considered weaknesses and have to be dealt with:

1. The literature review could be more comprehensive, detailing key studies and frameworks. Hence, include a broader range of recent studies to strengthen the background and contextualize the findings, such as:

Fault diagnosis of actuator damage in UAVs using embedded recorded data and stacked machine learning models

Internet of Things based industrial Environment monitoring and control: A design approach

- 2- Some claims, especially regarding the benefits of IoT in various sectors, lack empirical data or case studies. So, please incorporate specific case studies or statistical evidence to substantiate claims about IoT's effectiveness.

- 3- Please provide more detailed strategies or frameworks for addressing the identified challenges in IoT implementation.