

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 deals with **"Internet of Things in Smart Grid: A Comprehensive Review of Opportunities, Trends, and Challenges"**, which is relevant to the journal themes. However, hence, before acceptance/publication, the authors should address the following comments adequately:

For better identification, the authors need to mark any color in the revised part of the manuscript and line number in response to the reviewer's comment file.

1. Abstract: The background should be aligned with IoT to smart grids.
2. Introduction: Authors should explain the choice of the method in the introduction section.
 - The IoT to smart grid status and targets need to be discussed initially (world basis).
1. The literature review should be further strengthened to highlight the scientific novelty of this work. The authors need to cite the following publications:

<https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22403>

<https://ieeexplore.ieee.org/document/9969250>

<https://ieeexplore.ieee.org/document/10402451>

1. The major contribution of the proposed work should be evident in the last paragraph of the introduction.
2. The methodology section needs to be elaborated scientifically. More focus needs to be on the smart grid approach.
3. IoT applications for microgrids are good? If yes, then which locations are the best choice with current policy?
4. The application part needs to be improved.
5. The future research direction should be more technical.
6. Conclusion: It should be technically concise and not have more paragraphs.
7. Current related publication references and citations should be included in the paper. If possible, references need to be reduced.

