

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.

This is an interesting and useful paper that provides a high-level overview of IoT technologies in various application areas with an ultimate focus on Smart Grids. The paper would be of benefit to researchers who are looking to understand the area of IoT at a high level before focusing on a specific aspect. The paper is written in a natural style that supports the reader without going into too much detail. Where the reader would be interested in more detail, references are provided. As such, it provides a good overview of the area of IoT.

With the theme of the paper, a wide range of considerations is provided, and this necessitates the manner in which the paper is structured with short paragraphs. I believe that this style of writing is suitable for this paper.

In sub-section 3.5 (IoT in the Industrial Sector), it would be useful to include a discussion of the developments within the implementation of Industry 4.0, as this is an important development within industrial sectors. Mentioning and discussing "Industry 4.0" specifically would be useful to the reader. Can the author also provide specific examples or case studies of Industry 4.0 implementations that would enhance the discussion in sub-section 3.5?

In section 5 (Combination of IoT and Smart Grid), it would be useful to include additional discussions of security aspects relating to customer data privacy issues, given the way in which personal data is stored and used. Could the author also suggest any specific security measures or protocols that should be discussed in section 5 to address customer data privacy issues more comprehensively?