Review of: "Modified free energy generation using permanent Neodymium Magnet based on Bedini with Maxwell and Lorenz gauge conditions"

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Potential competing interests: No potential competing interests to declare.

This paper is interesting, but the authors must address the following comments to improve the article:

1. **Scalability Analysis**: Conduct a detailed analysis of the scalability of the Modified Free Energy Generator (MFEG) for various applications, including residential, commercial, and industrial uses.
2. **Challenges and Solutions for Scaling Up**: Include a section discussing the potential challenges and solutions for scaling up the technology. This should encompass larger prototypes, simulations of large-scale systems, and cost-benefit analyses.
3. **Long-Term Performance and Durability**: Investigate the long-term performance and durability of the MFEG under different environmental conditions and operational stresses.
4. **Endurance Testing and Maintenance Data**: Conduct endurance testing and provide data on the lifespan and maintenance requirements of the system. This will offer valuable insights into the practical viability of the technology for continuous use.
5. **Economic Feasibility Study**: Perform a comprehensive economic feasibility study to evaluate the cost-effectiveness of the MFEG compared to traditional and other renewable energy sources.
6. **Cost Analysis and ROI**: Include a cost analysis covering the initial investment, operational costs, and potential savings. Discuss the return on investment (ROI) and payback period for potential adopters.
7. **Compatibility and Integration with Existing Systems**: Explore the compatibility and integration of the MFEG with existing energy grids and storage systems.
8. **Integration Framework and Guidelines**: Develop a framework or guidelines for integrating the MFEG with current infrastructure. Address potential technical and regulatory challenges and propose solutions for seamless integration.
9. **Comprehensive Environmental Impact Assessment**: Expand the environmental impact assessment to include a broader range of factors such as resource availability, manufacturing impact, and end-of-life disposal of components.
10. **Lifecycle Assessment (LCA)**: Conduct a lifecycle assessment (LCA) of the MFEG, from material extraction to disposal. Compare the environmental impacts with those of conventional energy generation systems to provide a holistic view of its sustainability.