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| Title | Towards a Greener Tomorrow: Unpacking the Current and Future Outlook of Renewable Energy in Bangladesh | | |
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| Abstract |  |
| The importance of renewable energy is becoming more and more clear as the world struggles with climate change and the need for sustainable development. This study explores Bangladesh's present situation about renewable energy and provides a thorough analysis of the country's capacity to adopt sustainable energy solutions. It outlines Bangladesh's dependence on conventional fossil fuels and the ensuing environmental effects before examining developments in hydroelectric, solar, and wind power. Bangladesh's renewable energy trajectory is shaped in part by government policies that receive particular attention. Benefits to society such as increased employment, energy security, and electrification of rural areas are highlighted, but there are drawbacks as well, such as insufficient funding and infrastructure. This study highlights the pressing need for a switch to cleaner energy sources and looks ahead to advancements in grid integration, energy storage, and policy frameworks. | |