

# **Renewable Energy Sources for Industrial Growth**

**By**

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## **Abstract**

The prioritisation of sustainable energy solutions has become a prominent focus in modern society, motivated by the pressing need to address climate change and provide a reliable energy outlook. Industrial expansion, a prominent catalyst for worldwide advancement, simultaneously plays a substantial role in the expanding use of energy and the release of greenhouse gases. This study aims to provide a detailed and critical examination of the significant role that renewable energy sources play in promoting sustainable industrial development, in light of the dual dilemma at hand. This investigation involves an assessment of the potential benefits and advantages presented by renewable sources, the problems they provide, and the significant consequences they have for the global industrial environment.

**Keywords:** Energy security, intermittent renewables, energy storage, government incentives, and the global industrial landscape Sustainable energy, climate change mitigation, industrial expansion, greenhouse gas emissions, and energy security