

# Renewable Energy

Renewable energy is the key to a sustainable future. As fossil fuels deplete and climate change intensifies, the world is shifting towards clean energy sources such as solar, wind, and hydroelectric power. Solar panels harness sunlight to generate electricity, while wind turbines convert wind energy into a sustainable power source. Countries worldwide are investing in renewable energy infrastructure to reduce carbon emissions. One major challenge is energy storage, as renewable sources are intermittent. Advances in battery technology and smart grids aim to address these challenges. Future energy solutions may include fusion energy and biofuels.