

Environmental Impact of Hydrogen Technologies

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Abstract

This chapter discusses the role of hydrogen technologies as a potential solution for current and future environmental problems, and to provide a better environment and sustainable development. It also assesses the hydrogen production methods for sustainable hydrogen production by evaluating their greenhouse gas emissions and air pollutants. Two case studies are presented to discuss the environmental impact and energy utilization aspects, and to highlight the importance of the topic and show that these can help achieve a better environment and sustainability.

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