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## **Sukhumi New Energy Refueling Station**

When did Saudi Aramco launch a hydrogen refueling station in KSA?

In this regard, Saudi Aramco launched the first hydrogen refueling station in KSA in cooperation with the Air Products Company in June 2019. The station is developed to meet the hydrogen demand of a small fleet of six Fuel Cell Electric Vehicles (FCEVs) .

What is a hydrogen refueling station?

Hydrogen refueling stations (HRSs) are key infrastructures rapidly spreading out to support the deployment of fuel cell electric vehicles for several mobility purposes.

Is hydrogen refueling station a viable alternative to fossil fuels?

Hydrogen is considered as an attractive alternative to fossil fuels in the transportation sector. However, the penetration of Fuel Cell Electric Vehicles (FCEV) is hindered by the lack of hydrogen refueling station infrastructures. In this study, the feasibility of a hybrid PV/wind system for hydrogen refueling station is investigated.

Are renewable powered hydrogen refueling stations feasible in Saudi Arabia?

Therefore, investigating the feasibility of renewable powered hydrogen refueling stations becomes essential . In the open literature, few studies have assessed the feasibility of renewable powered hydrogen refueling stations in the Kingdom of Saudi Arabia.

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