Solar-powered container fast charging for oil refineries

These rugged, self-contained systems integrate large solar arrays, advanced battery storage, and high-capacity fuel cells -- with optional diesel ...

A study by ENEA and the University of Palermo has shown that integrating concentrated solar heat into oil distillation processes could ...

The present study investigates the feasibility of solar hybrid system to generate steam in the oil refinery to maintain the tem-perature of heavy crude oil products before despatching from ...

The purpose of this study is to investigate the potential use of solar energy within an oil refinery to reduce its fossil fuel consumption and greenhouse gas emissions.

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Kialashaki et al. (2016) describe a technical assessment of a "solar jack," a solar PV-powered pump with variable speed drive for extraction at three case study oil wells in the ...

In an unusual merger of renewable energy and fossil fuels, solar energy is being tapped to power an existing oil refinery. The Rodeo, California, facility operated by Phillips 66 ...

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An artist"s rendering of the solar array. The project is believed to be the second-largest utility scale solar complex in the Corpus Christi area and the first solar project in Texas ...

This paper proposes a solar-assisted method for a petrochemical refinery, considering hydrogen production deployed in Yanbu, Saudi Arabia, as a case study to ...

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