Solar-powered containerized hybrid type for oil refineries

Title: Solar-powered containerized hybrid type for oil refineries
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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.

In this paper, a steam power plant with a hybrid steam generator is devised and analyzed to partially satisfy the refinery demand of thermal energy, steam, and hydrogen input ...

Semantic Scholar extracted view of "Solar-assisted hybrid oil heating system for heavy refinery product storage" by Naseer Ahmad Khan et al.

The study explores the feasibility of incorporating solar, wind, and biomass energy sources alongside the existing Natural Gas Combined Cycle (NGCC) power plant and grid ...

Herein, a solar multi-energies-driven hybrid chemical oil refining system, exemplified by residual oil cracking, has been successfully developed and formulated in solar ...

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