

## High-efficiency photovoltaic containers used in oil refineries

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.

The goal of this research is to study the technical and economic feasibility of the integration of photovoltaic solar power systems in two of the biggest Iraqi oil refineries: ...

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. A validated ASPEN HYSYS model was used to ...

The Solarfold photovoltaic container can be used anywhere and is characterized by its flexible and lightweight substructure. The semi-automatic electric drive brings the mobile photovoltaic system over a length of almost ...

The paper has presented a noble solution that will allow the integration of parabolic trough collectors into oil refinery facilities by reducing the use of crude oil heaters.

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

The PFIC25K55P30 is a compact all-in-one solar storage system integrating a 25kW power output, 55kWh energy storage capacity, and 30kWp high-efficiency foldable PV ...

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

Web: <https://www.scmindustries.co.za>