



# Shengli Oilfield Solar Power Generation

What is Shengli Oil Field Company?

The Shengli Oil Field Company is a subsidiary of Sinopec. The oil field also produces natural gas, and activities have recently expanded into shale oil, solar power, and wind power. The development of the oil fields was an important contributor to the economy of the local area, playing a role in the establishment of the city of Dongying in 1983.

How much oil did Shengli Oil Field produce in 2013?

As of December 31, 2013, Shengli Oil Field fully completed the production and operation tasks in 2013, adding 81.75 million tons of new controlled reserves and 91.28 million tons of forecasted reserves for the year, and producing 27.762 million tons of crude oil.

How much oil does Shengli produce a day?

While output has decreased since then, enhanced oil recovery techniques have maintained oil production at high levels, producing around 650,000 barrels (103,000 m<sup>3</sup>) per day. The Shengli Oil Field Company is a subsidiary of Sinopec.

What is the second largest oil field in China?

'Victory Oil Field') is the second-largest oil field in China. Located in the delta of the Yellow River, it was discovered in 1961, and oil production began in earnest in 1964. Oil output quickly increased, peaking in 1991 at 33.55 million tons.

How is liquefied carbon dioxide pumped into the Shengli Oil Refinery?

Construction of this landmark project began in July 2021. It involves capturing liquefied carbon dioxide at the Qilu refinery, and injecting it into 73 wells in the nearby Shengli oil reservoirs via a closed pipeline system, which helps improve the sequestration rate.

How much green hydrogen will a solar power plant produce in 2023?

Upon its scheduled completion in June 2023, the project will have an annual green hydrogen output of 20,000 tonnes, making it one of the largest of its kind in the world. Efficiency of solar power in oilfields

In two oil-wastewater treatment stations of Shengli Oilfield, cyclic volatile methylsiloxanes (cVMS, D4-D6) in the wastewater stream were found to undergo chlorination during electro-oxidation ...

Shengli plans to turn itself into a smart oil field by 2035. Shengli also pledged to achieve carbon neutrality by 2035 with adopting multiple methods. It has utilized diverse renewable energy including solar power, wind ...

In February 2018, Shengli Oilfield's first distributed photovoltaic power generation project, Le'an Joint Station, solar photovoltaic power generation was connected to the grid, opening the ...



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Shengli Oilfield Shengli Power Machinery Group Co., Ltd. Service Shengdong Group is mainly engaged in the manufacture of gas generators, diesel generators and their supporting equipment, petroleum equipment manufacturing and drilling power services, power station investment and operation and maintenance services. After years of innovation and development, the company ...

Shengli Oil Field in 2012. The Shengli Oil Field (simplified Chinese: 胜利油田; traditional Chinese: 勝利油田; pinyin: Shènglì yóutián; lit. "Victory Oil Field") is the second-largest oil field in China. Located in the delta of the Yellow River, it was discovered in 1961, and oil production began in earnest in 1964. Oil output quickly increased, peaking in 1991 at 33.55 million tons.

A SHUIFA company, and fully owned subsidiary of Shuifa Energas (Shanghai: 603318). Shengdong is one of Chinese leading manufacturers of gas-fueled inner combustion engine, packed generator sets and cogeneration units for power generation. It is one of the only companies in China focusing exclusively on gas engine technology.

Some important aspects of power generation using the coproduced hot oil and liquid, with temperatures around 120°C, from Huabei oil field were studied in Reference [8]. Study on the geothermal ...

The photovoltaic Electrolysed water hydrogen production demonstration project of Sinopec Shengli Oil Field Petrochemical Complex uses the green power generated by the built 6MW distributed photovoltaic power ...

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o Service type: Power generation, beam-pump driving, drilling, gas compression, etc Shengdong brand gas engines can convert all Kinds of flammable gases to electric energy / Mechanical power  
o Natural gas  
o Biogas  
o Syngas (LHV gas)  
o Landfill gas  
o Well head gas  
o Coke oven gas

Shengli Oil Field Shengli Power Machinery Co., Ltd 12V190 Gas Generator Set Parts, Find Details and Price about Natural Gas Power Generation Gas Engine from Shengli Oil Field Shengli Power Machinery Co., Ltd 12V190 Gas Generator Set Parts - Jinan Guohua Green Power Equipment Co., Ltd.

In Shengli oilfield, the first geothermal well was drilled at Gudao area in 1973 and the successful utilization of geothermal resources was in 2002. There were 55 geothermal wells up to 2013. The total water production was 703.104 m in 2012.

Overview Location and conditions Management and impact History Enhanced oil recovery and carbon capture Other industries External links The Shengli Oil Field (simplified Chinese: 胜利油田; traditional Chinese: 勝利油田; pinyin: Shènglì yóutián)



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Shengli Oil Project () is an operating oil project in Shandong, China. The project consists of the following units: Gudong Oil Field (Shandong, China) Shengtuo Oil Field (Shandong, China) ...

The world's largest carbon capture projects from flue gas of coal power plants of Shengli oilfield 2 million tons/year of flue gas CO<sub>2</sub> ... greatly developing clean energy such as nuclear power, solar power and wind power, and accelerating the ... These coal fired units include two subcritical power generation units of 300 MW (No. 3 ...

average daily radiation in the Shengli oil field based on the model in ZHANG [20]. S<sub>1</sub> is the total area of photovoltaic panels (m<sup>2</sup>), K<sub>1</sub> is the module conversion efficiency, and K<sub>2</sub> is the ...

The deployment speed of photovoltaic power generation is accelerating, and the global installed capacity has exceeded 500 million kW. At the end of 2020, China's installed capacity of photovoltaic power generation has exceeded 250 million kW. Mutual benefits can be achieved through joint development of solar energy and oil.

The Shengli Oil Field lies within the delta where the Yellow River flows out into the Bohai Sea. [1] The conditions in the delta are difficult, with shifting soils, high temperatures, and high salinity. The oil has a water cut that reaches above 95%, is highly viscous, as thin as 6 metres (20 ft), and 92% lies deeper than 1.2 kilometres (0.75 mi). [1] ...

Technologies related to high-capacity offshore wind turbines, tidal energy generation and crystalline silicon photovoltaic technology are undergoing accelerated ...

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Shengli Oil Field Shengli Power Machinery Group Co., Ltd is the largest gas engine manufacturer in China. We are the manufacturer of Shengdong brand gas engines. ... 4190 series, four cylinder, 80-200KW, designed for beam pump driving and power generation; 6190 series, six cylinder, 180-350KW, for power generation;

Secondary hydrocarbon generation ceased in the Jiyang Sub-basin between 100 Ma and 40 Ma because burial depths were too shallow at this time and the temperature decreased to less than 80°C.



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Chinese President Xi Jinping inspected the Shengli Oilfield in Dongying, East China's Shandong Province on Thursday, a city born with an oilfield. ... Wind, water and tidal power, and other forms ...

Perovskite Solar Module Outdoor Field Testing and Spectral Irradiance Effects on Power Generation July 2022 physica status solidi (RRL) - Rapid Research Letters 16(11)

Sinopec: CCS Demonstration Project in Shengli Oilfield. The company has successfully constructed the 40,000 t/a CO2 capture pilot project based in China's second-largest oil field--Shengli Oilfield (in Shandong Province)-- with a purity reaching 99.5%+. China Resources Power: Haifeng Carbon Capture Testing Platform

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