

## Solar Energy South Africa

# Saudi Arabia alternative power solutions



## Overview

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Why is Saudi Arabia transitioning to independent power and water projects?

Saudi Arabia is transitioning towards independent power and water projects to address the escalating power requirements and broaden the array of energy sources via the National Renewable Energy Program. This will be accompanied by a substantial rise in non-oil government income and the private sector's contribution to GDP. 1.

How is Saudi Arabia developing its solar energy sector?

1. Saudi Arabia has initiated the National Renewable Energy Program (NREP) to develop its solar energy sector, with several projects in progress, including a 600 MW capacity project. 2. Large-scale project such as Sakaka solar Independent Power Producer (IPP) (300 MW) and Dumat Al Jandal wind project (400 MW) were part of the first bidding process.

How does Saudi government support the energy savings sector?

The government is committed to supporting the development of the energy savings sector, leveraging entities like the Saudi Energy Efficiency Center (SEEC) and TARSHID, a company with approximately \$500 million capital dedicated to supporting energy projects in the public sector. 4.

Will Saudi Arabia invest \$270 billion in low-carbon energy projects?

Saudi Arabia has declared its intention to invest \$270 billion in low-carbon energy projects by the year 2030 . Table 3 shows major investment projects in Saudi Arabia for energy transition. Table 3. Overview of major investments in Saudi Arabia's energy transition and RE initiatives RE = renewable energy; SAR = Saudi Riyals.

Is Saudi Arabia a good country to use solar energy?

Saudi Arabia has among of the world's greatest levels of solar radiation, making it one of the best nation suited to use solar energy . Fig. 7 shows the

solar PV power potential map for various parts of Saudi Arabia.

Will Saudi Arabia add nuclear power to its energy mix?

Plans are in place to potentially add nuclear power to the energy mix, with approximately 17 GW of nuclear-based power generating capacity expected by 2032. Saudi Arabia intends to consider incorporating nuclear energy into its energy portfolio to achieve substantial nuclear power generation capacity by 2032. 1.

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### [Market Overview - Saudi Elenex 2025](#)

A robust, sustainable demand boom is under way for the Electricity, Power, Lighting, Air Conditioning, Alternative Energy and Water Industries in Saudi Arabia. Saudi Elenex 2024 will showcase these solutions to the most important trade buyers in the region....

### The Benefits of Temporary Staffing Solutions for Saudi Arabian ...

1 ?? Temporary staffing solutions provide companies in Saudi Arabia with immediate access to a pool of skilled and qualified workers. Whether you need a highly specialized IT professional for a short-term project or an experienced engineer to handle a temporary increase in workload, temporary staffing agencies can quickly connect businesses with



### Sustainable solutions for electric utilities , Schneider Electric Saudi

1. How can you benefit from our smart grid solutions? We develop best-in-class electric utilities solutions for optimised electrical distribution systems, power conversion expertise, control, and monitoring. As a global leader in engineering and industrial software, we help a variety of industries build a sustainable future.

## WHO WE ARE

Altaaqa Alternative Solutions is a leading global total utility provider, delivering world class turnkey solutions across the Kingdom of Saudi Arabia and well beyond since 2004 Altaaqa Global provides cost-effective turn-key multi-megawatt power ...



## Saudi Arabia's Renewable Energy Initiatives and Their ...

Saudi Arabia's Renewable Energy Ambitions. Saudi Arabia has established a goal to source at least 50 percent of its power from renewable energy by 2030, expanding its capacity to 130 gigawatts (GW), 58.7 GW of which is expected to ...

## [Altaaqa Alternative Solutions Co. Ltd](#)

Altaaqa Alternative Solutions Company (Altaaqa) is a leading Saudi-based total utility solutions provider, executing bespoke turnkey projects in power generation, cooling, water, and renewables across Saudi Arabia through seven strategically located branches. Altaaqa was established in 2004 to address the power requirements in Saudi Arabia, and within a decade, it ramped up its ...



## First Gas

Implementation of alternative energy solutions such as Compressed Natural Gas (CNG), Synthetic Natural Gas (SNG), and Liquefied Petroleum Gas (LPG) for backup and off-grid power generation. Know more and experience of

two leading companies over 20+ years in the energy sector to deliver innovative and sustainable solutions in Saudi Arabia.



## Success Stories - Eaton Arabia , Power Solution

EATON ARABIA - POWER SOLUTIONS. News Contacts -Saudi Aramco Aramco's Corporate Data Center is the biggest Tier 3 data center in the Middle East. Eaton Arabia team worked on alternative solutions to provide the most compatible solution with the available space and to minimize the civil works that may occur due to this replacement .EEIC



## Saudi Arabia seeking alternative energy solutions

Saudi's energy mix comprises of 43 percent of gas, fuel and diesel make up the remainder, the IEA stated. The IEA said that local energy demand is increasing much faster than the power generation capacity of both gas and fuel industries. Alternative Energy generation targets. Solar: 41 GW by 2032; Wind: 9 GW for power generation and desalination

## Analysis of solution strategies for the transition to renewable

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The shift from fossil fuels to low-carbon energy

solutions is crucial to mitigate the effects of climate change. The Kingdom of Saudi Arabia (KSA) has formulated a policy framework to accelerate the development of renewable energy (RE) as part of Vision 2030. The Saudi Power Procurement Company announced a series of new agreements for wind



## Top 10 Promising Saudi Arabia Power Rental Companies , 2024

The company provides turnkey power rental solutions for Saudi Arabia market. The company provides diesel and alternative-fueled electrical generator sets from 35 to 1250KVA from Cummins Power Generation, fg willson Generator Technologies and G-Drive. The company rental fleet includes over 750 generators, totaling 300 MW power.

## AEG Power Solutions expands its production ...

Zwanenburg, The Netherlands, September 11, 2023 - AEG Power Solutions (AEG PS), a global provider of power systems and solutions for all types of critical and sustainable applications, has signed a joint venture ...



## Saudi Arabia's Renewable Energy Initiatives and Their ...

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come from solar and 40 ...



## AEG Power Solutions expands its production capabilities to Saudi Arabia

Zwanenburg, The Netherlands, September 11, 2023 - AEG Power Solutions (AEG PS), a global provider of power systems and solutions for all types of critical and sustainable applications, has signed a joint venture agreement with World Integrated Contracting Est. (WIS), incorporating as AEG Power Solutions Saudi Arabia L.L.C. to extend its local production ...



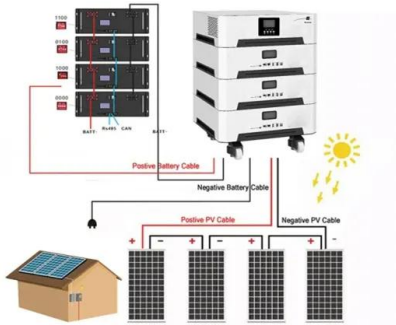
## TotalEnergies and Altaaqa Sign MoU for EV Charging ...

Paris, France, 27. April 2022 - TotalEnergies and Altaaqa Alternative Solutions ("Altaaqa", a Zahid Group Company) have signed a Memorandum of Understanding (MoU) to cooperate in delivering an integrated electric vehicle charging stations offering in the Kingdom of Saudi Arabia. TotalEnergies and Altaaqa will work together (under the Altaaqa EV brand name) to offer end ...

## Fintechs partner to provide financing to SMEs in Saudi Arabia

Open banking platform Tarabut has partnered with Saudi Arabian payments solutions provider Geidea to develop financing solutions for small and medium-sized businesses. The strategic partnership is aiming to provide accessible financing opportunities for SMEs in Saudi Arabia. According to a statement, there are around 1.3 million SMEs in the

**ESS**

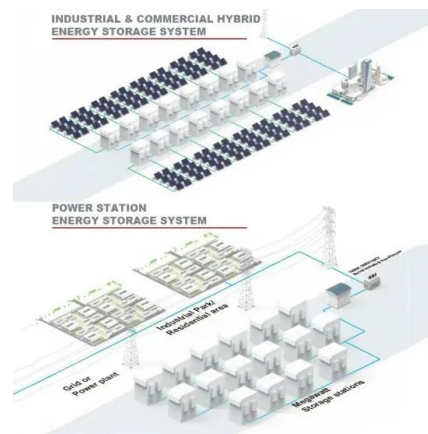


**Altaaqa Alternative Solutions Company Profile , Management and**

Altaaqa Alternative Solutions Profile and History. Established in 2004, Altaaqa Alternative Solutions is an environmentally responsible provider of electrical power, water and temperature control solutions serving exclusively the dynamic Saudi Arabian market.

**Altaaqa Global , Power Solutions , Dubai**

We provide cost-effective turn-key multi-megawatt power solutions to a diverse range of sectors, including IT, data centers, mining, oil & gas, manufacturing, heavy & process industries, and utilities. Altaaqa Global is your trusted global energy partner. We provide cost-effective turn-key multi-megawatt power solutions to a diverse range of



**Nuclear Power, Photovoltaics, and Compressed Air Energy**

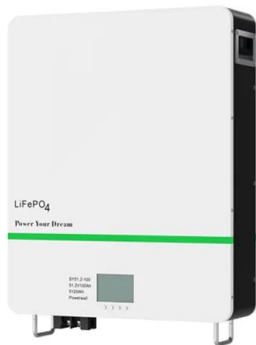
NPP is best operated at constant maximum power avoiding xenon poisoning operational complexity and keeping capital intensive LCOE



low. This paper explores alternative roles for NPPs in Saudi Arabia: base-load electricity generation, dedicated desalination, and functioning as energy hub integrating energy storage systems and PV power.

## Altaaqa Alternative Solutions

Where is Altaaqa Alternative Solutions 's headquarters? Altaaqa Alternative Solutions is located in Jeddah, Makkah, Saudi Arabia. Who are Altaaqa Alternative Solutions 's competitors? Alternatives and possible competitors to Altaaqa Alternative Solutions may include Gridworks, Orbit Energy & Power, and Mahindra Solarize.



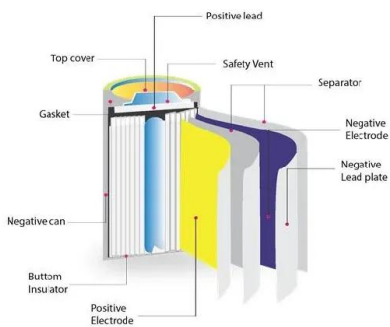
## **Saudi Aramco and SLB join to develop digital sustainability solutions**

Aramco and SLB have signed an agreement to co-develop, commercialise, and implement digital solutions aimed at reducing greenhouse gas (GHG) emissions across industrial sectors. These solutions will be integrated into SLB's digital sustainability platform, expanding on their collaboration first announced in 2022.

## **About Us**

Founded in 1983 by Sheikh Mohammed Mansour Al-Rumaih, MMR is a subsidiary of Midis Energy Group (Part of the Midis Group). MMR started its activity by hiring highly qualified staff with thorough experience in the relevant and specialist fields of Power Solutions, Electro-

Mechanical Installations & Support Systems,  
Computers and Data Communications.



### [KAEC is Going Green with SAFEER](#)

SAFEER is a joint venture between TotalEnergies and Altaaqa Alternative Solutions (a Zahid Group Company), which offers industrial and commercial clients the route to accessing solar energy via a lease model. SAFEER's goal is to deliver cost-effective, reliable solar energy solutions across the Kingdom of Saudi Arabia and the Kingdom of Bahrain.

## Contact Us

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For catalog requests, pricing, or partnerships, please visit:  
<https://www.ian-solar.co.za>