

What is Morocco's energy strategy?

When Morocco introduced its national energy strategy in 2009, it initiated an energy transition which aims to ensure that about half of installed electricity generating capacity will come from renewable energy sources by 2030.

How can Morocco achieve a net-zero economy?

To achieve a transition towards a net-zero economy in Morocco, a rapid phase out of fossil fuels should be conducted in all energy sectors, both in energy supply and energy demand (e.g. transport, industry, buildings).

What are Morocco's energy policy initiatives?

Beyond the advancement of renewable energy, Morocco's policy initiatives encompass energy efficiency measures in challenging-to-abate sectors, such as building insulation and the adoption of energy-saving light bulbs. The overarching objective is to achieve a 20% reduction in overall energy consumption by 2030.

What is the Moroccan energy sector doing about variable renewables?

The national electricity supplier and grid operator, as well as other actors in the Moroccan energy sector, are developing solutions and improving skills to enable the electricity system to account for a larger share of variable renewables. The project operates in the following areas of action:

Does Morocco need a new energy policy?

The analysis shows that current policies in Morocco need significant strengthening to meet the targets outlined in its Nationally Determined Contribution for 2030, based on the elimination of coal-fired power plants and the uptake of renewable energy technologies, in particular wind and solar power.

What is the final energy mix in Morocco until 2050?

Final energy mix in Morocco until 2050 in alternative scenarios examined Source: MENA-EDS Model, Author estimates. Using the MENA-EDS model, low-carbon development pathways are developed for Morocco exploring systemic and sectoral transformation strategies to ensure large emission reductions, about 60%-80% lower than in BAU in 2050.

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The obtained results show that more than 30% of energy saving can be achieved and 50% of building energy load can be covered instantly by renewable energy systems in Tetouan (Morocco). Discover ...

BidEnergy, an Australian company which provides Utility Bid Expense Management Solutions in Australia,

the UK and the USA, has acquired energy management software business Optima Energy Systems, a Skipton, UK-based energy management software business providing: bill validation, budgets and accruals, and tenant and self-billing. Terms of ...

Our products and services are Solar PV equipment and the accessories involved in the installation of the product. We also supply Electrical reticulation management products i.e cable ladders, trunking, Distribution Boards, cables ...

IRESSEN was created in 2011 as the research arm of a national energy program across the entire spectrum of the value chains within Morocco's green energy ecosystem, including solar energy systems, green hydrogen systems, and electric mobility. IRESSEN oversees a network of green energy research and innovation platforms and funds of ...

The company was established in 2017 due to the need for renewable energy in southern africa. We are aiming to supply the southern Africa region with solar PV solutions for the private and government sectors. At present we supply a large amount of products to Zimbabwe.

These innovations promote energy efficiency and sustainability while offering consumers more control and insight into their energy usage. However, the transition has shed light on the outdated nature of traditional billing systems. ...

In the last decade, Morocco has been at the forefront of the energy transition. This was illustrated through the ambitious climate pledges presented in COP16 in Paris [1] and in Glasgow in COP21 [2], which are among the most ambitious globally, the establishment of a 52% renewable energy target for 2030, and the launching of the world's largest CSP 1 plant [3].

Aspire Software is pleased to announce that the UK business assets of Optima Energy Systems ("Optima"), a market-leading provider of advanced software solutions for managing and analysing energy data, will now be operated under Aspire. Founded over 30 years ago, ...

Journal of Energy and Power Engineering, 2017. In this paper, an optimized model is proposed to find the best values for decision variables to optimize the grid connected hybrid renewable energy system which consists of photovoltaic panels, wind turbines and battery bank for electrification to Northeast region of Afghanistan to meet winter power shortages of the area.

Likewise, the innovative integration of solar energy systems within building envelopes supports its rapid deployment [47-49]. In addition, solar energy systems are one of the promising distributed energy systems that help reduce transmission losses, contribute to reducing peak demand, and improve energy resilience [50,51].

In view of this, the country is implementing ambitious projects to expand renewable energy sources. In parallel to large-scale projects, it will increasingly generate green electricity from ...

The production of electrical energy has always been a subject of debate to fight against climate change and preserve natural resources. Several countries, including Morocco, have proposed ambitious policies to develop renewable energy sources of production in the short and medium term. The major problem of renewable sources production is their intermittent ...

The hybrid renewable energy system (HRES) has been presented as the most studied solution for improving the sustainability of energy production infrastructures in isolated areas. With the rapid growth of HRES markets, various issues and aspects must be taken into consideration when the major working about the hybridization of renewable energy sources, ...

Bill Identity announced on 3rd December 2020 that it has acquired UK-based utility bill management software company Optima Energy Systems ("Optima"). We have been busy transforming the world of utility bill management with our suite of solutions that leverage robotic process automation (RPA). RPA removes the human intervention required to ...

Morocco aims to increase the proportion of electricity generated by renewable energy to 52 percent of installed capacity by 2030. This would allow the country to reduce its greenhouse ...

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