Armenia sinotech energy



Who is Sinotech energy?

SINOTECH ENERGY core technical team possesses extensive industry experience in cryogenic liquid systems, shipping, and clean energy. They hold the exclusive domestic intellectual property rights to the "membrane containment system, " a new type of onshore/maritime membrane containment system.

Does Armenia have solar energy?

Armenia has significant solar energy potential: average annual solar energy flow per square metre of horizontal surface is 1 720 kWh (the European average is 1 000 kWh), and one-quarter of the country's territory is endowed with solar energy resources of 1 850 kWh/m 2 per year. Solar thermal energy is therefore developing rapidly in Armenia.

How can Armenia synchronise its energy system with its neighbours?

To synchronise its system with those of its neighbours and provide electricity at competitive prices, Armenia will have to open its relatively closed electricity market. The Ministry of Territorial Administration and Infrastructure (MTAI) is responsible for developing and implementing energy policy.

How important is R&D in energy technology and innovation in Armenia?

Research and development (R&D) in energy technology and innovation in Armenia is not significant, though it is becoming more important. The government's plan to develop new renewable energy technologies will increase the need for technology and innovation funding, and for skilled human resources.

Will US-licensed small modular reactor technology replace Armenian nuclear power plant?

The government has expressed an interest in utilizing U.S.-licensed advanced small modular reactor technology to eventually replace the Armenian Nuclear Power Plant, which would give U.S. firms an opportunity to achieve a significant commercial win and play a transformative role in Armenia's energy security posture.

Does Armenia trade electricity with Georgia?

Armenia also trades electricity with Georgia, though volumes are low since the countries' networks are not synchronised. Energy interconnections with Azerbaijan and Tü rkiye are currently inactive for political reasons. Prompted by a severe electricity supply crisis in the mid-1990s, Armenia has revamped its energy sector over the past 20 years.

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SINOTECH ENERGY focuses on high-tech decarbonization technology applications in both onshore and maritime sectors. In response to the characteristics of ship exhaust gases, SINOTECH ENERGY has independently developed the SC1000 series of highly efficient and low-energy consumption carbon capture devices.

Armenia's energy demand averages more than 3 Mtoe (3.59 Mtoe in 2020). Energy consumption (final consumption excluding transformation) more than doubled between 2000 and 2020 (+136%), and heavily outpaced global demand in the same period (+36%). Total final consumption (TFC) in 2020 was 2.61 Mtoe.

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The core technical team members have rich industry experience in cryogenic liquid cargo systems. ships and clean energy fields. SINOTECH has the only independent intellectual property right of "membrane containment system" in China.

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