Armenia ageto energy

What is ageto energy?

To accelerate the adoption of renewable energyby simplifying the integration and control of off-grid and behind-the-meter power systems. What's in a Name? Ageto Energy was founded to simplify the task of integrating renewable energy into power systems. Our team has extensive experience in power management,renewable energy,microgrids,and SCADA.

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.

What percentage of Armenia's Energy is renewable?

Renewable energy resources,including hydro,represented 7.1%of Armenia's energy mix in 2020. Almost one-third of the country's electricity generation (30% in 2021) came from renewable sources. Forming the foundation of Armenia's renewable energy system as of 6 January 2022 were 189 small,private HPPs (under 30 MW),mostly constructed since 2007.

How much energy does Armenia need?

It has been an observer to the Energy Community since 2011 and a member of the Eastern Partnership since 2009. Although Armenia's energy demand averages more than 3 Mtoe(3.59 Mtoe in 2020) and the country does not produce any fossil fuels,it manages to cover 27% of energy demand with domestic energy production.

How much energy does Armenia produce in 2021?

In 2021,Armenia produced 7.7 TWhof electricity,of which natural gas covered 44% (3.4 TWh),hydro and other renewables 30% (2.3 TWh) and nuclear 26% (2.0 TWh). In the Caucasus region,Armenia is the only country producing nuclear energy. Armenia's energy demand averages more than 3 Mtoe (3.59 Mtoe in 2020).

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 Türkiye 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.

Ageto Energy provides a software platform for off-grid and behind-the-meter microgrid system control operations. The offered product is called Ageto Renewable Controller (ARC) & can be used for real-time renewable power system control, user-level authentication, abnormal behavior notifications, spinning reserve

& demand charge management ...

Ageto Energy was founded to simplify the task of integrating renewable energy into power systems. Our team has extensive experience in power management, renewable energy, microgrids, and SCADA. We are uniquely positioned to bridge the divide between renewable power technologies and conventional power generation.

Generac has worked with Ageto since 2021, incorporating their microgrid controllers into Generac"s Battery Energy Storage Systems (BESS) solutions and generator sets. Ageto"s microgrid controller helps enable users ...

Generac Power Systems, a global designer, manufacturer, and provider of energy technology solutions and other power products, has acquired Ageto, a provider of microgrid controllers that integrate, optimize, and manage distributed conventional resources, renewable energy resources, and electric vehicle (EV) chargers in the commercial and ...

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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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Ageto Energy bridges the gap between renewable and conventional power generation resources with the Ageto Renewable Controller (ARC). Leveraging off-the-shelf SCADA software and industrial hardware, ARC is a complete microgrid control solution that is ...

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